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• Real Time Clock

MFR Part Number	ES Part Number	Description	Package /Case	MFR
BU9873FJ-GTE2	0176-0518-1	I2C Interface RTC with High-precision Oscillation Adjustment	SOP-J8	ROHM
DS12C887+	0067-0009-4	Real Time Clock with Lithium Battery Back-up	EPDIP-24	DALLAS
DS1302+	0067-0060-1	Trickle Charge Timekeeping Chip	PDIP-8	DALLAS
DS1302S+	0067-0084-1	Trickle Charge Timekeeping Chip	SOIC-8	DALLAS
DS1302Z+T/R	0067-0086-7	Trickle Charge Timekeeping Chip	SOIC-8	DALLAS
DS1307+	0067-0062-7	64 x 8 Serial Real-Time Clock	PDIP-8	DALLAS
DS1307Z+T/R	0067-0085-4	64 x 8 Serial Real-Time Clock	SOIC-8	DALLAS
DS3231SN#-T/R	0067-0090-3	Extremely Accurate I2C-Integrated RTC/TCXO/Crystal	SOIC-16	DALLAS
DS3232SN#T&R	0126-0147-9	Extremely Accurate I2C RTC with Crystal and SRAM	SOIC-20	MAXIM
ISL12028IBZ	0223-0039-4	Real Time Clock/Calendar with EEPROM	SOIC-14	INTERSIL
M48T08-100PC1	0083-0080-7	64K (8K x 8) TimekeeperSRAM	EPDIP-28	ST MICRO
MCP7940N-I/P	0035-1674-5	Battery-Backed I2C Real-Time Clock/Calendar with SRAM	PDIP-8	MICROCHIP
MCP7940N-I/SN	0035-1443-0	Battery-Backed I2C Real-Time Clock/Calendar with SRAM	SOIC-8	MICROCHIP
MCP79411-I/SN	0035-1444-3	I2C Real-Time Clock/Calendar with SRAM, Unique ID	SOIC-8	MICROCHIP
MCP79511-I/MS	0035-1701-3	3V SPI Real-Time Clock Calendar with Battery Switchover	MSOP-10	MICROCHIP
PCF85363ATT1/AJ	0016-0353-4	Tiny Real-Time Clock/calendar with 64 byte RAM	TSSOP-10	NXP
PCF8583P/F5,112	0016-0295-1	Clock and Calendar with 240 x 8-bit RAM	PDIP-8	NXP
X1228S14-4.5A	0223-0037-8	4K (512 x 8), 2-Wire RTC	SOIC-14	INTERSIL

• Programmable Timers and Oscillators

MFR Part Number	ES Part Number	Description	Frequency	Package /Case	MFR
HA17555	0364-0002-9	Precision Timer	-	PDIP-8	RENESAS
NE555DR	0086-0072-0	Precision Timers	100KHz	SOP-8	TEXAS
NE555DT	0083-0165-9	General-purpose single bipolar timers	500KHz	SOIC-8	ST MICRO
NE555P	0086-0701-4	Precision Timers	100KHz	PDIP-8	TEXAS
NE556N	0086-0730-3	Dual Precision Timers	100KHz	PDIP-14	TEXAS
TLC555CP	0086-0648-6	LinCMOS Timer	2.1MHz	PDIP-8	TEXAS

• Clock Generators, Phase Lock Loops

MFR Part Number	ES Part Number	Description	Frequency	Package /Case	MFR
MB15E03SLPFV1-G-ER-6E1	0001-0108-6	PLL Frequency Synthesizer 1.2 GHz Prescaler	1.2GHz	SSOP-16	SPANSION
NE564N	0016-0038-6	Phase-Lock Loop	60MHz	PDIP-16	NXP
MC145151P2	0077-0132-8	Phase-Lock Loop	10MHz	PDIP-28	MOTOROLA

Analog to Digital Converter

• Delta-Sigma Analog to Digital Converter

MFR Part Number	ES Part Number	Interface	Number of Channels	Number of Bits/Resolution	Package/Case	MFR
MCP3424-E/SL	0035-1090-1	I2C Serial	4	18	SOIC-14	MICROCHIP
MCP3425A0T-E/CH	0035-1496-9	I2C Serial	1	16	SOT-23-6	MICROCHIP
MCP3423-E/UN	0035-1497-2	I2C Serial	2	18	MSOP-10	MICROCHIP
AK5394AVSP-E2FP-E2	0619-0002-1	I2S Serial	2	24	SOP-28	AKM
MCP3551-E/SN	0035-0696-3	SPI Serial	1	22	SOIC-8	MICROCHIP
MCP3553-E/SN	0035-1091-4	SPI Serial	1	22	SOIC-8	MICROCHIP
CS5534-BSZ	0333-0007-3	SPI Serial	4	24	SSOP-24	CIRRUS
CS5532-BSZ	0333-0009-9	SPI Serial	2	24	SSOP-20	CIRRUS
TC7109CPL	0035-0081-4	Parallel/Serial	1	12	PDIP-40	MICROCHIP

• Successive Approximation Register Analog to Digital Converter

MFR Part Number	ES Part Number	Interface	Number of Channels	Number of Bits/Resolution	Package/Case	MFR
ADC0804LCN/NOPB	0078-0256-0	Parallel	1	8	PDIP-20	TEXAS
ADC0808CCN/NOPB	0078-0166-9	Parallel	8	8	PDIP-28	TEXAS
ADC0809CCN	0078-0164-3	Parallel	8	8	PDIP-28W	TEXAS
ADC0809CCN/NOPB	0078-0311-4	Parallel	8	8	PDIP-28W	TEXAS
ADC0831CCN/NOPB	0078-0279-7	Microwire Serial	1	8	PDIP-8	TEXAS
ADC0832CCN/NOPB	0078-0205-7	Microwire Serial	2	8	PDIP-8	TEXAS
ADS7841P	0086-0722-5	SPI Serial	4	12	PDIP-16	TEXAS
LTC1298CN8#PBF	0263-0009-4	SPI Serial	2	12	PDIP-8	LINEAR
MCP3201-CI/P	0035-0033-0	SPI Serial	1	12	PDIP-8	MICROCHIP
MCP3202-CI/P	0035-0261-6	SPI Serial	2	12	PDIP-8	MICROCHIP
MCP3204-BI/SL	0035-1668-3	SPI Serial	4	12	SOIC-14	MICROCHIP
MCP3204T-CI/SL	0035-1638-1	SPI Serial	4	12	SOIC-14	MICROCHIP
MCP3221A5T-I/OT	0035-1581-5	I2C Serial	1	12	SOT-23	MICROCHIP
MCP3304-CI/SL	0035-0695-0	SPI Serial	4	13	SOIC-16	MICROCHIP
PCF8591P,112	0016-0193-0	I2C Serial	4	8	PDIP-16	NXP
TLC542CNE4	0086-0456-4	SPI Serial	12	8	PDIP-20	TEXAS

• Flash Analog to Digital Converter

MFR Part Number	ES Part Number	Interface	Number of Channels	Number of Bits/Resolution	Package/Case	MFR
ADC0820CCN/NOPB	0078-0167-2	Parallel	1	8	PDIP-20	TEXAS

• Integrating Display Output A/D Converters

MFR Part Number	ES Part Number	Description	Number of Bits/Resolution	Package/Case	MFR
ICL7106CPLZ	0223-0025-8	3½ Digit, LCD/LED Display, A/D Converters	1000 Counts	PDIP-40	INTERSIL
ICL7107CPLZ	0223-0029-0	3½ Digit, LCD/LED Display, A/D Converters	1000 Counts	PDIP-40	INTERSIL
TC7107CKW	0035-0658-3	3½ Digit Analog-to-Digital Converters	1000 Counts	MQFP-44	MICROCHIP
TLC7135CN	0086-0350-1	4½ Digit, BCD Output, A/D Converter	20000 Counts	PDIP-28	TEXAS

Digital to Analog Converters

MFR Part Number	ES Part Number	Interface	Number of Bits	Settling Time	Package/Case	MFR
AK4395VFP-E2	0619-0001-8	I2S Serial	24	-	VSOP-28	AKM
DAC0808LCN	0078-0026-8	Parallel	8	150ns	PDIP-16	TEXAS
DAC0808LCN/NOPB	0078-0218-0	Parallel	8	150ns	PDIP-16	TEXAS
DAC0832LCN/NOPB	0078-0245-3	Parallel	8	1 μ s	PDIP-20	TEXAS
LTC1661CN8#PBF	0263-0019-8	SPI Serial	10	30 μ s	PDIP-8	LINEAR
MCP4725A0T-E/CH	0035-1582-8	I2C Serial	12	6 μ s	SOT-23	MICROCHIP
MCP4728A0T-E/UN	0035-1583-1	I2C Serial	12	6 μ s	MSOP	MICROCHIP
MCP4821-E/SN	0035-0698-9	SPI Serial	12	4.5 μ s	SOIC-8	MICROCHIP
MCP4822-E/SN	0035-0699-2	SPI Serial	12	4.5 μ s	SOIC-8	MICROCHIP
MCP4921-E/SN	0035-0700-4	SPI Serial	12	4.5 μ s	SOIC-8	MICROCHIP
MCP4921T-E/SN	0035-1353-9	SPI Serial	12	4.5 μ s	SOIC-8	MICROCHIP
MCP4922-E/P	0035-1739-9	SPI Serial	12	4.5 μ s	PDIP-14	MICROCHIP
MCP4922-E/SL	0035-0701-7	SPI Serial	12	4.5 μ s	SOIC-14	MICROCHIP
TC1320EOA	0035-0702-0	I2C Serial	8	10 μ s	SOIC-8	MICROCHIP
TC1321EOA	0035-0703-3	I2C Serial	10	10 μ s	SOIC-8	MICROCHIP

Digital Potentiometer

MFR Part Number	ES Part Number	Interface	Resistance	Step	Package/Case	MFR
MCP4011T-202E/SN	0035-1684-9	I2C	2.1K Ω	64	SOIC-8	MICROCHIP
MCP41010-I/P	0035-0466-1	SPI	10K Ω	256	PDIP-8	MICROCHIP
MCP41010T-I/SN	0035-1374-0	SPI	10K Ω	256	SOIC-8	MICROCHIP
MCP41050-I/P	0035-0469-0	SPI	50K Ω	256	PDIP-8	MICROCHIP
MCP41100-I/P	0035-0471-0	SPI	100K Ω	256	PDIP-8	MICROCHIP
MCP4161-502E/SN	0035-1702-6	SPI	5K Ω	256	SOIC-8	MICROCHIP
MCP42010-I/SL	0035-1455-1	SPI	10K Ω	256	SOIC-14	MICROCHIP
MCP42010-I/ST	0035-1742-2	SPI	10K Ω	256	TSSOP-14	MICROCHIP
MCP42100-I/P	0035-1130-2	SPI	100K Ω	256	PDIP-14	MICROCHIP
MCP42100-I/ST	0035-1418-3	SPI	100K Ω	256	TSSOP-14	MICROCHIP
NMCP42050-I/P	0035-0851-2	SPI	50K Ω	256	PDIP-14	MICROCHIP

Display Drivers

MFR Part Number	ES Part Number	Description	Package/Case	MFR
A6810SLW	0133-0024-4	DABiC-IV, 10-Bit Serial-Input Latched Source Driver	SOIC-20	ALLEGRO
LM3914N-1/NOPB	0078-0191-6	Dot/Bar Display Driver	PDIP-18	TEXAS
LM3914V/NOPB	0078-0296-6	Dot/Bar Display Driver	PLCC-20	TEXAS
LM3915N-1/NOPB	0078-0192-9	Dot/Bar Display Driver	PDIP-18	TEXAS
MAX7219CNG+	0126-0043-2	Serially Interfaced,8 Digit LED Display Drivers	PDIP-24	MAXIM
MB86277PMC-G-BNDE1	0445-0037-6	Graphics Controller	LQFP-256	FUJITSU
SSD1926QL9	0569-0001-9	CMOS Image Processor, JPEG Coder, 256K Display SRAM	LQFP	SOLOMON
SSD1963QL9R	0569-0005-1	1215KB Embedded Display SRAM LCD Display Controller	LQFP-128	SOLOMON
UCN5810AF	0133-0019-5	10-bit Serial-input, Latched Source Drivers	PDIP-18	ALLEGRO
UCN5812AF	0133-0020-2	20-bit Serial-input, Latched Source Drivers	PDIP-28	ALLEGRO

Microcontroller

• ARM

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
AT91SAM7S64-AU-001	0065-0138-4	32-Bit ARM7TDMI RISC Processor	LQFP-64	64K	16K	55MHz	-	10/8	3 USART,1 SPI,1 I2C,1 USB,1 I2S	ATMEL
S6E1A12C0AGV20000	0001-0247-4	32-Bit ARM Cortex-M0+ based Microcontroller	LQFP-48	88K	6K	40MHz	-	12/8	3 UART/CSIO/I2C	CYPRESS
ATSAMD21J17A-AU	0065-0335-5	SMART ARM-Based Microcontroller	TQFP-64	128K	16K	48MHz	-	12/20	6 UART/SPI/ I2C,1 USB,1 I2S	ATMEL
ADUCM360BCPZ128	0127-0085-1	Precision Analog MCU, Dual Sigma-Delta ADCs, Cortex-M3	QFN-48	128K	8K	16MHz	-	24/11	1 UART,2 SPI,1 I2C	ANALOG
MB9AF312KPMC-G-JNE2	0001-0200-7	32-Bit ARM Cortex-M3 with USB Controller, QPRC Encoder Unit	LQFP-48	128K	16K	40MHz	-	12/8	4 UART/LIN/CSIO/I2C, 1 USB	CYPRESS
MB9BF524LPMC1-G-JNE2	0001-0251-1	32-Bit ARM Cortex-M3 based Microcontroller	LQFP-64	256K	32K	72MHz	-	12/26	8 UART/LIN/CSIO/I2C, 1 USB,1 CAN	CYPRESS
MB9AF314LAPMC1-G-JNE2	0001-0199-5	32-Bit ARM Cortex-M3 with USB Controller, QPRC Encoder Unit	LQFP-64	256K	32K	40MHz	-	12/16	8 UART/LIN/CSIO/I2C, 1 USB	CYPRESS
MB9AF114LAPMC1-G-JNE2	0001-0208-1	32-Bit ARM Cortex-M3 with CRC Accelerator	LQFP-64	256K	32K	40MHz	-	12/9	8 UART/LIN/CSIO/I2C	CYPRESS
MB9BF566KPMC-G-JNE2	0001-0249-1	32-Bit ARM Cortex-M4F based Microcontroller	LQFP-48	512K	32K	160MHz	-	12/8	1 USB,1 CAN,6 UART/CSIO/LIN/I2C	CYPRESS
MB9BF506NBPMC-G-JNE2	0001-0209-4	32-Bit ARM Cortex-M3 with CAN, USB Controller	LQFP-100	512K	64K	80MHz	-	12/16	8 UART/LIN/CSIO/I2C, 1 USB,2 CAN	CYPRESS
MB9BF106NPMC-G-JNE1	0001-0180-4	32-Bit ARM Cortex-M3 with QPRC Encoder Unit	LQFP-100	512K	64K	80MHz	-	12/16	8 UART/LIN/CSIO/I2C	CYPRESS
LPC2148FBD64,151	0016-0156-3	16-Bit/32-Bit ARM MCU with, USB, 10-Bits ADC/DAC	LQFP-64	512K	40K	60MHz	-	10/14	2 UART,1 SPI,2 I2C,1 USB	NXP
LPC1769FBD100,551	0016-0326-1	Cortex-M3 MCU with Ethernet, USB, CAN and 12-bit ADC	LQFP-100	512K	64K	12MHz	-	12/8	4 UART,2 SPI/SSP,3 I2C,1 USB,2 CAN,2 I2S	NXP

• Atmel ATTINY 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
ATTINY13A-SU	0065-0299-6	8-Bit AVR MCU with 1KBytes In-System Programmable Flash	SOIC-8	1K	64	20MHz	64	10/4	-	ATMEL
ATTINY2313-20PU	0065-0152-4	8-Bit AVR MCU with 2KBytes In-System Programmable Flash	PDIP-20	2K	128	20MHz	128	-	1 USART,2 SPI,1 I2C	ATMEL
ATTINY2313-20SU	0065-0243-8	8-Bit AVR MCU with 2KBytes In-System Programmable Flash	SOIC-20	2K	128	20MHz	128	-	1 USART,2 SPI,1 I2C	ATMEL
ATTINY2313A-PU	0065-0333-9	8-Bit AVR MCU with 2KBytes In-System Programmable Flash	PDIP-20	2K	128	20MHz	128	-	1 USART,2 SPI,1 I2C	ATMEL
ATTINY2313V-10PU	0065-0209-0	8-Bit AVR MCU with 2KBytes In-System Programmable Flash	PDIP-20	2K	128	10MHz	128	-	1 USART,2 SPI,1 I2C	ATMEL
ATTINY2313V-10SU	0065-0213-6	8-Bit AVR MCU with 2KBytes In-System Programmable Flash	SOIC-20	2K	128	10MHz	128	-	1 USART,2 SPI,1 I2C	ATMEL
ATTINY25V-10PU	0065-0177-7	8-Bit AVR MCU with 2KBytes In-System Programmable Flash	PDIP-8	2K	128	10MHz	128	10/4	1 SPI,1 I2C	ATMEL
ATTINY26-16PU	0065-0241-2	8-Bit AVR MCU with 2KBytes Flash	PDIP-20	2K	128	16MHz	128	10/8	1 SPI,1 I2C	ATMEL

• Atmel ATMEGA 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
ATMEGA8535L-8AU	0065-0220-1	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	TQFP-44	8K	512	8MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA8535L-8PU	0065-0233-4	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	PDIP-40	8K	512	8MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA8535-16JU	0065-0285-0	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	PLCC-44	8K	512	16MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA8535-16PU	0065-0286-3	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	PDIP-40	8K	512	16MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA48-20AU	0065-0190-4	8-Bit AVR MCU with 4KBytes In-System Programmable Flash	TQFP-32	4K	512	20MHz	256	10/8	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA48V-10PU	0065-0263-6	8-Bit AVR MCU with 4KBytes In-System Programmable Flash	PDIP-28	4K	512	10MHz	256	10/6	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA48V-10AU	0065-0267-8	8-Bit AVR MCU with 4KBytes In-System Programmable Flash	TQFP-32	4K	512	10MHz	256	10/8	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA48PA-AU	0065-0296-7	8-Bit AVR MCU with 4KBytes In-System Programmable Flash	TQFP-32	4K	512	20MHz	256	10/8	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA48PA-PU	0065-0312-8	8-Bit AVR MCU with 4KBytes In-System Programmable Flash	PDIP-28	4K	512	20MHz	256	10/6	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA88V-10AU	0065-0266-5	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	TQFP-32	8K	1K	10MHz	512	10/8	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA88-20PU	0065-0282-1	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	PDIP-28	8K	1K	20MHz	512	10/6	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA88PA-AU	0065-0290-9	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	TQFP-32	8K	1K	20MHz	512	10/8	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA168V-10PU	0065-0249-6	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	PDIP-28	16K	1K	10MHz	512	10/6	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA168-20PU	0065-0264-9	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	PDIP-28	16K	1K	20MHz	512	10/6	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA168V-10AU	0065-0265-2	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	TQFP-32	16K	1K	10MHz	512	10/8	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA168PA-AU	0065-0332-6	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	TQFP-32	16K	1K	20MHz	512	10/8	1 USART,2 SPI,1 I2C	ATMEL
ATMEGA328P-PU	0065-0313-1	8-Bit AVR MCU with 32KBytes In-System Programmable Flash	PDIP-28	32K	2K	20MHz	1K	10/6	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA8-16AU	0065-0170-6	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	TQFP-32	8K	1K	16MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA8L-8AU	0065-0250-3	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	TQFP-32	8K	1K	8MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL

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● Atmel ATMEGA 8-Bits Continued...

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
ATMEGA8L-8PU	0065-0260-7	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	PDIP-28	8K	1K	8MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA8A-PU	0065-0292-5	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	PDIP-28	8K	1K	16MHz	512	10/6	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA8A-AU	0065-0293-8	8-Bit AVR MCU with 8KBytes In-System Programmable Flash	TQFP-32	8K	1K	16MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA16L-8AU	0065-0231-8	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	TQFP-44	16K	1K	8MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA16-16AU	0065-0246-7	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	TQFP-44	16K	1K	16MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA16A-PU	0065-0294-1	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	PDIP-40	16K	1K	16MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA16A-AU	0065-0295-4	8-Bit AVR MCU with 16KBytes In-System Programmable Flash	TQFP-44	16K	1K	16MHz	512	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA32L-8AU	0065-0187-1	8-Bit AVR MCU with 32KBytes In-System Programmable Flash	TQFP-44	32K	2K	8MHz	1K	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA32-16AU	0065-0225-6	8-Bit AVR MCU with 32KBytes In-System Programmable Flash	TQFP-44	32K	2K	16MHz	1K	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA32A-PU	0065-0300-8	8-Bit AVR MCU with 32KBytes In-System Programmable Flash	PDIP-40	32K	2K	16MHz	1K	10/8	1 USART,1 SPI,1 I2C	ATMEL
ATMEGA32U4-AU	0065-0328-1	8-Bit AVR MCU with 32KBytes of ISP Flash and USB Controller	TQFP-44	32K	2.5K	16MHz	1K	10/12	1 UART,2 SPI,1 I2C	ATMEL
ATMEGA32A-AU	0065-0329-3	8-Bit AVR MCU with 32KBytes In-System Programmable Flash	TQFP-44	32K	2K	16MHz	1K	10/8	1 UART,1 SPI,1 I2C	ATMEL
ATMEGA64L-8AU	0065-0226-9	8-Bit AVR MCU with 64KBytes In-System Programmable Flash	TQFP-64	64K	4K	8MHz	2K	10/8	2 USART,1 SPI,1 I2C	ATMEL
ATMEGA64-16AU	0065-0229-8	8-Bit AVR MCU with 64KBytes In-System Programmable Flash	TQFP-64	64K	4K	16MHz	2K	10/8	2 USART,1 SPI,1 I2C	ATMEL
ATMEGA64A-AU	0065-0289-2	8-Bit AVR MCU with 64KBytes In-System Programmable Flash	TQFP-64	64K	4K	16MHz	2K	10/8	2 USART,1 SPI,1 I2C	ATMEL
ATMEGA128-16AU	0065-0155-3	8-Bit AVR MCU with 128KBytes In-System Programmable Flash	TQFP-64	128K	4K	16MHz	4K	10/8	2 USART,1 SPI,1 I2C	ATMEL
ATMEGA128L-8AU	0065-0273-0	8-Bit AVR MCU with 128KBytes In-System Programmable Flash	TQFP-64	128K	4K	8MHz	4K	10/8	2 USART,1 SPI,1 I2C	ATMEL

● PIC16C One Time Programmable (OTP) 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC16C505-04/P	0035-0045-0	8-Bit CMOS Microcontroller	PDIP-14	1.5K	72	4MHz	-	-	-	MICROCHIP
PIC16C711-04/P	0035-0058-3	8-Bit CMOS Microcontrollers with A/D Converter	PDIP-18	1.75K	68	4MHz	-	8/4	-	MICROCHIP
PIC16C57-XT/SS	0035-0974-4	EPROM/ROM-Based 8-Bit CMOS Microcontroller Series	SSOP-28	3K	72	4MHz	-	-	-	MICROCHIP

● PIC10/PIC12 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC10F222T-I/OT	0035-0737-7	High-Performance Microcontrollers with 8-Bit A/D	SOT-23-6	768	23	8MHz	-	8/2	-	MICROCHIP
PIC10LF322T-I/OT	0035-1437-8	High-Performance, Flash Microcontrollers	SOT-23-6	896	64	16MHz	-	8/3	-	MICROCHIP
PIC12F509-I/P	0035-0549-7	8-Bit Flash Microcontroller	PDIP-8	1.5K	41	4MHz	-	-	-	MICROCHIP
PIC12F510-I/P	0035-0666-1	8-Bit Flash Microcontroller	PDIP-8	1.75K	38	8MHz	-	8/3	-	MICROCHIP
PIC12F629-I/P	0035-0268-7	Flash-Based 8-Bit CMOS Microcontrollers	PDIP-8	1.75K	64	20MHz	128	-	-	MICROCHIP
PIC12F675-I/P	0035-0270-7	Flash-Based 8-Bit CMOS Microcontrollers	PDIP-8	1.75K	64	20MHz	128	10/4	-	MICROCHIP
PIC12F629-I/SN	0035-0405-4	Flash-Based 8-Bit CMOS Microcontrollers	SOIC-8	1.75K	64	20MHz	128	10/4	-	MICROCHIP
PIC12F675-I/SN	0035-0986-4	Flash-Based 8-Bit CMOS Microcontrollers	SOIC-8	1.75K	64	20MHz	128	10/4	-	MICROCHIP
PIC12F683-I/P	0035-0431-4	Flash-Based 8-Bit CMOS MCU with nanoWatt Technology	PDIP-8	3.5K	128	20MHz	256	10/4	-	MICROCHIP
PIC12F1572-I/P	0035-1631-1	MCU with High Precision 16-Bit PWMs	PDIP-8	3.5K	256	32MHz	-	10/4	1 UART	MICROCHIP
PIC12F1840-E/SN	0035-1612-5	Flash Microcontrollers with XLP Technology	SOIC-8	7K	256	32MHz	256	10/4	1 USART,1SPI/I2C	MICROCHIP
PIC12F1840-I/P	0035-1694-3	Flash Microcontrollers with XLP Technology	PDIP-8	7K	256	32MHz	256	10/4	1 USART,1 SPI/I2C	MICROCHIP

● PIC16 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC16F54-I/P	0035-0569-5	Flash-Based, 8-Bit CMOS Microcontroller	PDIP-18	768	25	20MHz	-	-	-	MICROCHIP
PIC16F57-I/P	0035-0513-7	Flash-Based, 8-Bit CMOS Microcontroller	PDIP-28W	3K	72	20MHz	-	-	-	MICROCHIP
PIC16F72-I/SP	0035-0248-9	8-Bit CMOS Flash Microcontroller with A/D Converter	PDIP-28	3.5K	128	20MHz	-	8/5	1 SPI/I2C	MICROCHIP
PIC16F73-I/SP	0035-0283-0	8-Bit CMOS Flash Microcontrollers	PDIP-28	7K	192	20MHz	-	8/5	1 USART,1 SPI/I2C	MICROCHIP
PIC16F84A-20/P	0035-0403-8	Enhanced Flash/EEPROM 8-Bit Microcontroller	PDIP-18	1.75K	68	20MHz	64	-	-	MICROCHIP

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• PIC16 8-Bits
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MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC16F88-I/P	0035-0383-5	Enhanced Flash MCUs with nanoWatt Technology	PDIP-18	7.2K	368	20MHz	256	10/7	1 USART,1 SPI/I2C	MICROCHIP
PIC16F505-I/ST	0035-0980-6	8-Bit Flash Microcontroller	TSSOP-14	1.5K	72	20MHz	-	-	-	MICROCHIP
PIC16F526-I/SL	0035-1234-9	8-Bit Flash Microcontroller	SOIC-14	1.5K	67	20MHz	64	8/3	-	MICROCHIP
PIC16F526-I/ST	0035-1222-9	8-Bit Flash Microcontroller	TSSOP-14	1.5K	67	20MHz	64	8/3	-	MICROCHIP
PIC16F616-I/P	0035-1310-4	Flash-Based, 8-Bit CMOS Microcontroller	PDIP-14	3.5K	128	20MHz	-	10/8	-	MICROCHIP
PIC16F616-I/SL	0035-0996-8	Flash-Based, 8-Bit CMOS Microcontrollers	SOIC-14	3.5K	128	20MHz	-	10/8	-	MICROCHIP
PIC16HV616-E/SL	0035-1223-2	Flash-Based, 8-Bit CMOS Microcontrollers	SOIC-14	3.5K	128	20MHz	-	10/8	-	MICROCHIP
PIC16F627A-I/P	0035-0377-3	Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt	PDIP-18	1.75K	224	20MHz	128	-	1 USART	MICROCHIP
PIC16F628-04/P	0035-0066-1	Flash-Based, 8-Bit CMOS Microcontroller	PDIP-18	3.5K	224	4MHz	128	-	1 USART	MICROCHIP
PIC16F628-20/P	0035-0067-4	Flash-Based, 8-Bit CMOS Microcontroller	PDIP-18	3.5K	224	20MHz	128	-	1 UART,USART	MICROCHIP
PIC16F628A-I/P	0035-0368-2	Flash-Based, 8-Bit CMOS Microcontroller	PDIP-18	3.5K	224	20MHz	128	-	1 USART	MICROCHIP
PIC16F628T-20I/SO-CT	0035-1180-2	Flash-Based, 8-Bit CMOS Microcontroller	SOIC-18	3.5K	224	20MHz	128	-	1 USART	MICROCHIP
PIC16F630-I/P	0035-0305-9	Flash-Based, 8-Bit CMOS Microcontroller	PDIP-14	1.75K	64	20MHz	128	-	-	MICROCHIP
PIC16F648A-I/P	0035-0379-9	Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt	PDIP-18	7K	256	20MHz	256	-	1 USART	MICROCHIP
PIC16F677-I/SO	0035-0905-9	Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt	SOIC-20	3.5K	128	20MHz	256	10/12	1 SPI/I2C	MICROCHIP
PIC16F684-I/P	0035-0433-0	Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt	PDIP-14	3.5K	128	20MHz	256	10/8	-	MICROCHIP
PIC16F685-I/P	0035-0676-5	Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt	PDIP-20	7K	256	20MHz	256	10/12	-	MICROCHIP
PIC16F688-I/P	0035-0555-9	Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt	PDIP-14	7K	256	20MHz	256	10/8	1 USART	MICROCHIP
PIC16F690-I/SO	0035-1001-8	Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt	SOIC-20	7K	256	20MHz	256	10/12	1 USART,1 SPI/I2C	MICROCHIP
PIC16F716-I/P	0035-0479-4	Flash-Based, 8-Bit MCU with A/D, Capture/Compare/PWM	PDIP-18	3.5K	128	20MHz	-	8/4	-	MICROCHIP
PIC16F721-I/SO	0035-1357-1	Flash Microcontrollers with nanoWatt XLP Technology	SOIC-20	7K	256	16MHz	-	8/12	1 USART,1 SPI/I2C	MICROCHIP
PIC16F726-I/SO	0035-1059-2	Flash Microcontrollers with nanoWatt XLP Technology	SOIC-28	14K	368	20MHz	-	8/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F726-I/SP	0035-1058-9	Flash Microcontrollers with nanoWatt XLP Technology	PDIP-28	14K	368	20MHz	-	8/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F727-I/P	0035-1060-9	Flash Microcontrollers with nanoWatt XLP Technology	PDIP-40	14K	368	20MHz	-	8/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F727-I/PT	0035-1061-2	Flash Microcontrollers with nanoWatt XLP Technology	TQFP-44	14K	368	20MHz	-	8/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F737-I/SP	0035-0435-6	8-Bit CMOS Flash MCU with 10-Bit A/D and nanoWatt	PDIP-28	7K	368	20MHz	-	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F747-I/P	0035-0437-2	8-Bit CMOS Flash MCU with 10-Bit A/D and nanoWatt	PDIP-40	7K	368	20MHz	-	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F819-I/P	0035-0328-6	Enhanced Flash Microcontrollers with nanoWatt	PDIP-18	3.5K	256	20MHz	256	10/5	1 SPI/I2C	MICROCHIP
PIC16F819-I/SO	0035-0631-4	Enhanced Flash Microcontrollers with nanoWatt	SOIC-18	3.5K	256	20MHz	256	10/5	1 SPI/I2C	MICROCHIP
PIC16F872-I/SP	0035-0070-7	8-Bit CMOS Flash Microcontrollers	PDIP-28	3.5K	128	20MHz	64	10/5	1 SPI/I2C	MICROCHIP
PIC16F873A-I/SP	0035-0299-2	Enhanced Flash Microcontrollers	PDIP-28	7.2K	192	20MHz	128	10/5	1 USART,1 SPI/I2C	MICROCHIP
PIC16F874A-I/P	0035-0273-6	8-Bit CMOS Flash Microcontrollers	PDIP-40	7K	192	20MHz	128	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC16F876-20/SP	0035-0073-6	8-Bit CMOS Flash Microcontrollers	PDIP-28	14K	368	20MHz	256	10/5	1 USART,1 SPI/I2C	MICROCHIP
PIC16F876A-I/SP	0035-0251-2	8-Bit CMOS Flash Microcontrollers	PDIP-28	14K	368	20MHz	256	10/5	1 USART,1 SPI/I2C	MICROCHIP
PIC16F876AT-I/SO	0035-0753-3	8-Bit CMOS Flash Microcontrollers	SOIC-28	14K	368	20MHz	256	10/5	1 USART,1 SPI/I2C	MICROCHIP
PIC16F877-20/L	0035-1056-3	8-Bit CMOS Flash Microcontrollers	PLCC-44	14K	368	20MHz	256	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC16F877-20/P	0035-0075-2	8-Bit CMOS Flash Microcontrollers	PDIP-40	14K	368	20MHz	256	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC16F877A-I/L	0035-0688-5	Enhanced Flash Microcontrollers	PLCC-44	14.3K	368	20MHz	256	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC16F877A-I/P	0035-0301-7	Enhanced Flash Microcontrollers	PDIP-40	14.3K	368	20MHz	256	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC16F883-I/ML	0035-1097-2	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	QFN-28	7K	256	20MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F883-I/SO	0035-0960-8	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	SOIC-28	7K	256	20MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F883-I/SP	0035-0961-1	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	PDIP-28	7K	256	20MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F883-I/SS	0035-1542-2	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	SSOP-28	7K	256	20MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F883T-I/SO	0035-0962-4	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	SOIC-28	7K	256	20MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F886-I/SO	0035-0914-0	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	SOIC-28	14K	368	20MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F886-I/SP	0035-0915-3	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	PDIP-28	14K	368	20MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F887-I/P	0035-0919-5	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	PDIP-40	14K	368	20MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F887-I/PT	0035-0920-2	Enhanced Flash-Based 8-Bit CMOS MCU with nanoWatt	TQFP-44	14K	368	20MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1454-I/SL	0035-1594-8	8-Bit Flash USB Microcontroller with XLP Technology	SOIC-14	14K	1K	48MHz	-	-	1 USART,1 SPI/I2C,1 USB	MICROCHIP
PIC16LF1508-I/P	0035-1438-1	Flash, 8-Bit Microcontrollers with nanoWatt XLP	PDIP-20	7K	256	20MHz	-	10/12	1 USART,1 SPI/I2C	MICROCHIP

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● PIC16 8-Bits Continued...

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC16LF1508-I/SO	0035-1439-4	Flash, 8-Bit Microcontrollers with nanoWatt XLP	SOIC-20	7K	256	20MHz	-	10/12	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1519-I/P	0035-1741-9	Flash Microcontrollers with XLP Technology	PDIP-40	28K	1K	20MHz	-	10/28	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1526-I/PT	0035-1662-5	Flash Microcontrollers with XLP Technology	TQFP-64	14K	768	20MHz	-	10/30	2 UART,2 USART,2 SPI,2 I2C,2 SPI/I2C	MICROCHIP
PIC16F1578-I/P	0035-1780-2	MCUs with High-Precision 16-Bit PWMs	PDIP-20	7K	512	32MHz	-	10/12	1 USART	MICROCHIP
PIC16F1613-I/SL	0035-1713-3	8-Bit Flash Microcontroller	SOIC-14	3.5K	256	32MHz	-	10/8	-	MICROCHIP
PIC16F1618-I/P	0035-1782-8	8-Bit Flash Microcontroller	PDIP-20	7K	512	32MHz	-	10/12	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1705-I/P	0035-1696-9	8-Bit Intelligent Analog Flash Microcontrollers	PDIP-14	14K	1K	32MHz	-	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1786T-I/SO	0035-1692-7	8-Bit Advanced Analog Flash Microcontroller	SOIC-28	14K	1K	32MHz	256	12/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1788-I/SO	0035-1714-6	8-Bit Advanced Analog Flash Microcontroller	SOIC-28	28K	2K	32MHz	256	12/11	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1823-I/SL	0035-1363-3	Flash Microcontrollers with nanoWatt XLP Technology	SOIC-14	3.5K	128	32MHz	256	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1826-I/SO	0035-1221-6	Flash Microcontrollers with nanoWatt XLP Technology	SOIC-18	3.5K	256	32MHz	256	10/12	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1827-I/SO	0035-1246-9	Flash Microcontrollers with nanoWatt XLP Technology	SOIC-18	7K	384	32MHz	256	10/12	1 USART,2 SPI/I2C	MICROCHIP
PIC16F1937-I/P	0035-1220-3	Flash-Based, 8-Bit CMOS MCU with LCD Driver, nanoWatt XLP	PDIP-40	14K	512	32MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1937-I/PT	0035-1172-4	Flash-Based, 8-Bit CMOS MCU with LCD Driver, nanoWatt XLP	TQFP-44	14K	512	32MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1939-I/P	0035-1355-5	Flash-Based, 8-Bit CMOS MCU with LCD Driver, nanoWatt XLP	PDIP-40	28K	1K	32MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16F1939-I/PT	0035-1356-8	Flash-Based, 8-Bit CMOS MCU with LCD Driver, nanoWatt XLP	TQFP-44	28K	1K	32MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC16LF1936-I/SS	0035-1252-1	Flash-Based, 8-Bit CMOS MCU with LCD Driver, nanoWatt XLP	SSOP-28	14K	512	32MHz	256	10/11	1 USART,1 SPI/I2C	MICROCHIP

● PIC18 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC18F252-I/SO	0035-0417-4	High Performance, Enhanced Flash MCU with 10-Bit A/D	SOIC-28	32K	1.5K	40MHz	256	10/5	1 USART,1 SPI/I2C	MICROCHIP
PIC18F452-I/P	0035-0385-1	High Performance, Enhanced Flash MCU with 10-Bit A/D	PDIP-40	32K	1.5K	40MHz	256	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC18F258-I/SP	0035-0079-4	High Performance, Microcontrollers with CAN	PDIP-28	32K	1.5K	40MHz	256	10/5	1 USART,1 SPI/I2C	MICROCHIP
PIC18F458-I/P	0035-0080-1	High Performance, Microcontrollers with CAN	PDIP-40	32K	1.5K	40MHz	256	10/8	1 USART,1 SPI/I2C	MICROCHIP
PIC18F25J10-I/SO	0035-0812-9	High-Performance RISC MCU with nanoWatt Technology	SOIC-28	32K	1K	40MHz	-	10/10	1 USART,1 SPI/I2C	MICROCHIP
PIC18F45J10-I/PT	0035-0793-9	High-Performance RISC MCU with nanoWatt Technology	TQFP-44	32K	1K	40MHz	-	10/13	1 USART,2 SPI/I2C	MICROCHIP
PIC18F87J10-I/PT	0035-0616-1	High Performance, 1-Mbit Flash MCU with nanoWatt	TQFP-80	128K	3.9K	40MHz	-	10/15	2 USART,2 SPI/I2C	MICROCHIP
PIC18F87J11-I/PT	0035-1773-7	High-Performance, 1-Mbit Flash USB MCU with nanoWatt	TQFP-80	128K	3.9K	48MHz	-	10/15	2 USART,2 SPI/I2C	MICROCHIP
PIC18F26J11-I/SO	0035-1359-7	Low-Power, High-Performance MCU with nanoWatt XLP	SOIC-28	64K	3.8K	48MHz	-	10/10	2 USART,2 SPI/I2C	MICROCHIP
PIC18F46J11-I/PT	0035-1249-8	Low-Power, High-Performance MCU with nanoWatt XLP	TQFP-44	64K	3.8K	48MHz	-	10/13	2 USART,2 SPI/I2C	MICROCHIP
PIC18F45J50-I/PT	0035-1176-6	Low Power, High-Performance USB MCU with nanoWatt XLP	TQFP-44	32K	3.7K	48MHz	-	10/13	2 USART,2 SPI/I2C,1 USB	MICROCHIP
PIC18F86J50-I/PT	0035-1012-5	High-Performance, 64KByte Flash USB MCU with nanoWatt	TQFP-80	64K	3.9K	48MHz	-	10/12	2 USART,2 SPI/I2C	MICROCHIP
PIC18F66J60-I/PT	0035-0708-8	High-Performance, 64KByte Flash MCU with Ethernet	TQFP-64	64K	3.8K	41.667MHz	-	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC18F66J65-I/PT	0035-0765-3	High-Performance, 96KByte Flash MCU with Ethernet	TQFP-64	96K	3.8K	41.667MHz	-	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC18F67J60-I/PT	0035-0738-0	High-Performance, 1-Mbit Flash MCU with Ethernet	TQFP-64	128K	3.8K	41.667MHz	-	10/11	1 USART,1 SPI/I2C	MICROCHIP
PIC18F96J65-I/PT	0035-0767-9	High-Performance, 96KByte Flash MCU with Ethernet	TQFP-100	96K	3.8K	41.667MHz	-	10/16	2 USART,2 SPI/I2C	MICROCHIP
PIC18F97J60-I/PF	0035-1383-1	High-Performance, 1-Mbit Flash MCU with Ethernet	TQFP-100	128K	3.8K	41.667MHz	-	10/16	2 USART,2 SPI/I2C	MICROCHIP
PIC18F87J93-I/PT	0035-1360-4	High-Performance MCU, LCD Driver, 12-Bit A/D and nanoWatt	TQFP-80	128K	3.9K	48MHz	-	12/12	1 UART,1 USART,1 SPI/I2C	MICROCHIP
PIC18F25K20-I/SP	0035-1009-2	Flash MCU with nanoWatt XLP	PDIP-28	32K	1.5K	64MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC18F45K20-I/P	0035-1010-9	Flash MCU with nanoWatt XLP	PDIP-40	32K	1.5K	64MHz	256	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC18F46K20-I/P	0035-1526-6	Flash MCU with nanoWatt XLP	PDIP-40	64K	3.9K	64MHz	1K	10/14	1 USART,1 SPI/I2C	MICROCHIP
PIC18F26K22-I/SO	0035-1740-6	High-Performance MCU with XLP	SOIC-28	64K	3.8K	64MHz	1K	10/9	1 USART,2 SPI/I2C	MICROCHIP
PIC18F46K22-I/P	0035-1527-9	High-Performance MCU with XLP	PDIP-40	64K	3.8K	64MHz	1K	10/30	2 USART,2 SPI/I2C	MICROCHIP
PIC18F87K22-I/PT	0035-1759-7	1-Mbit, Enhanced Flash MCU, 12-Bit A/D, nanoWatt XLP	TQFP-80	128K	4K	64MHz	1K	12/24	2 USART,2 SPI,2 I2C,2 SPI/I2C	MICROCHIP
PIC18F14K50-I/P	0035-1102-6	USB Flash MCU with nanoWatt Technology	PDIP-20	16K	768	48MHz	256	10/11	1 USART,1 SPI/I2C,1 USB	MICROCHIP
PIC18F14K50-I/SO	0035-1103-9	USB Flash MCU with nanoWatt Technology	SOIC-20	16K	768	48MHz	256	10/11	1 USART,1 SPI/I2C,1 USB	MICROCHIP
PIC18F26K80-I/SO	0035-1358-4	Enhanced Flash MCU with ECAN and nanoWatt XLP	SOIC-28	64K	3.6K	64MHz	1K	12/8	2 USART,1 SPI/I2C,1 CAN	MICROCHIP
PIC18F46K80-I/P	0035-1528-2	Enhanced Flash MCU with ECAN and nanoWatt XLP	PDIP-40	64K	3.6K	64MHz	1K	12/11	2 USART,1 SPI/I2C,1 CAN	MICROCHIP

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• PIC18 8-Bits
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MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC18F1220-I/P	0035-0330-6	High-Performance Enhance Flash MCU 10-Bit A/D, nanoWatt	PDIP-18	4K	256	40MHz	256	10/7	1 USART	MICROCHIP
PIC18F2220-I/SO	0035-1093-0	Enhanced Flash MCU with 10-Bit A/D and nanoWatt	SOIC-28	4K	512	40MHz	256	10/10	1 USART,1 SPI/I2C	MICROCHIP
PIC18F2410-I/SP	0035-0884-3	Flash MCU with 10-Bit A/D and nanoWatt	SDIP-28	16K	768	40MHz	-	10/10	1 USART,1 SPI/I2C	MICROCHIP
PIC18F2431-I/SP	0035-0443-4	Enhanced Flash MCU with nanoWatt, PWM and A/D	PDIP-28	16K	768	40MHz	256	10/5	1 USART,1 SPI/I2C	MICROCHIP
PIC18F4431-I/P	0035-0447-6	Enhanced Flash MCU with nanoWatt, PWM and A/D	PDIP-40	16K	768	40MHz	256	10/9	1 USART,1 SPI/I2C	MICROCHIP
PIC18F2455-I/SP	0035-0563-7	High-Performance, Enhanced Flash USB MCU with nanoWatt	PDIP-28	24K	2K	48MHz	256	10/10	1 USART,1 SPI/I2C,1 USB	MICROCHIP
PIC18F2550-I/SP	0035-0609-6	High-Performance, Enhanced Flash USB MCU with nanoWatt	PDIP-28	32K	2K	48MHz	256	10/10	1 USART,1 SPI/I2C	MICROCHIP
PIC18F4550-I/P	0035-0559-1	High-Performance, Enhanced Flash USB MCU with nanoWatt	PDIP-40	32K	2K	48MHz	256	10/13	1 USART,1 SPI/I2C,1 USB	MICROCHIP
PIC18F2520-I/SP	0035-0999-7	Enhanced Flash MCU with 10-Bit A/D and nanoWatt	SPDIP-28	32K	1.5K	40MHz	256	10/10	1 USART,1 SPI/I2C	MICROCHIP
PIC18F4520-I/P	0035-1032-3	Enhanced Flash MCU with 10-Bit A/D and nanoWatt	PDIP-40	32K	1.5K	40MHz	256	10/13	1 USART,1 SPI/I2C	MICROCHIP
PIC18F2620-I/SP	0035-1004-7	Enhanced Flash MCU with 10-Bit A/D and nanoWatt	SDIP-28	64K	3.9K	40MHz	1K	10/10	1 USART,1 SPI/I2C	MICROCHIP
PIC18F4620-I/P	0035-0613-2	Enhanced Flash MCU with 10-Bit A/D and nanoWatt	PDIP-40	64K	3.9K	40MHz	1K	10/13	1 USART,1 SPI/I2C	MICROCHIP
PIC18LF4620-I/P	0035-1774-1	Enhanced Flash MCU with 10-Bit A/D and nanoWatt	PDIP-40	64K	3.9K	40MHz	1K	10/13	1 USART,1 SPI/I2C	MICROCHIP
PIC18F2680-I/SP	0035-0557-5	Enhanced Flash MCU with ECAN, 10-Bit A/D and nanoWatt	SDIP-28	64K	3.3K	40MHz	1K	10/8	1 USART,1 SPI/I2C,1 CAN	MICROCHIP
PIC18F6627-I/PT	0035-0795-5	96KByte, Enhanced Flash MCU, 10-Bit A/D and nanoWatt	TQFP-64	96K	3.9K	40MHz	1K	10/12	2 USART,2 SPI/I2C	MICROCHIP
PIC18LF8627-I/PT	0035-0620-7	96KByte, Enhanced Flash MCU, 10-Bit A/D and nanoWatt	TQFP-80	96K	3.9K	40MHz	1K	10/16	2 USART,2 SPI/I2C	MICROCHIP

• PIC24 16-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC24F08KA101-I/SO	0035-1361-7	General Purpose, 16-Bit Flash MCU with nanoWatt XLP	SOIC-20	8K	1.5K	32MHz	512	10/9	2 UART,1 SPI,1 I2C	MICROCHIP
PIC24F16KA102-I/SO	0035-1174-0	General Purpose, 16-Bit Flash MCU with nanoWatt XLP	SOIC-28	16K	1.5K	32MHz	512	10/9	2 UART,1 SPI,1 I2C	MICROCHIP
PIC24F16KM102-I/SS	0035-1632-3	General Purpose, 16-Bit Flash MCU with XLP Technology	SSOP-28	16K	1K	32MHz	512	12/19	1 UART,1SPI/I2C	MICROCHIP
PIC24F16GA002-I/SP	0035-0878-1	General Purpose, 16-Bit Flash Microcontrollers	PDIP-28	16K	4K	32MHz	-	10/10	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24F16GA004-I/PT	0035-0879-4	General Purpose, 16-Bit Flash Microcontrollers	TQFP-44	16K	4K	32MHz	-	10/13	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ32GA002-I/SP	0035-0880-1	General Purpose, 16-Bit Flash Microcontrollers	PDIP-28	32K	8K	32MHz	-	10/10	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ48GA004-I/PT	0035-0883-0	General Purpose, 16-Bit Flash Microcontrollers	TQFP-44	48K	8K	32MHz	-	10/13	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ64GA002-I/SS	0035-1386-0	General Purpose, 16-Bit Flash Microcontrollers	SSOP-28	64K	8K	32MHz	-	10/10	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ64GA006-I/PT	0035-0775-7	General Purpose, 16-Bit Flash Microcontrollers	TQFP-64	64K	8K	32MHz	-	10/16	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ64GA008-I/PT	0035-0862-9	General Purpose, 16-Bit Flash Microcontrollers	TQFP-80	64K	8K	32MHz	-	10/16	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ128GA010-I/PF	0035-0871-0	General Purpose, 16-Bit Flash Microcontrollers	TQFP-100	128K	8K	32MHz	-	10/16	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ128GA010-I/PT	0035-1362-0	General Purpose, 16-Bit Flash Microcontrollers	TQFP-100	128K	8K	32MHz	-	10/16	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ64GB002-I/ML	0035-1435-2	16-Bit Flash MCU with USB OTG and nanoWatt Technology	QFN-28	64K	8K	32MHz	-	10/9	2 UART,2 SPI,2 I2C,1 USB	MICROCHIP
PIC24FJ64GB002-I/SP	0035-1737-3	16-Bit Flash MCU with USB OTG and nanoWatt Technology	PDIP-28	64K	8K	32MHz	-	10/9	2 UART,2 SPI,2 I2C,1 USB	MICROCHIP
PIC24FJ64GB004-I/PT-T	0035-1541-9	16-Bit Flash MCU with USB OTG and nanoWatt Technology	TQFP-44	64K	8K	32MHz	-	10/13	2 UART,2 SPI,2 I2C, 1 USB	MICROCHIP
PIC24FJ128GB106-I/PT	0035-1013-8	16-Bit Flash Microcontrollers with USB OTG	TQFP-64	128K	16K	32MHz	-	10/16	4 UART,3 SPI,3 I2C,1 USB	MICROCHIP
PIC24FJ256GB106-I/PT	0035-1112-0	16-Bit Flash Microcontrollers with USB OTG	TQFP-64	256K	16K	32MHz	-	10/16	4 UART,3 SPI,3 I2C,1 USB	MICROCHIP
PIC24FJ128GB204-I/PT	0035-1697-2	16-Bit MCU with Cryptographic Engine, USB OTG and XLP	TQFP-44	128K	8K	32MHz	-	10/12,12/12	4 UART,3 SPI,2 I2C	MICROCHIP
PIC24FJ64GC006-I/PT	0035-1683-6	16-Bit MCU, 12-Bit Pipeline/Sigma-Delta A/D, USB OTG, XLP	TQFP-64	64K	8K	32MHz	-	12/30,16/2	4 UART,2 SPI,2 I2C	MICROCHIP
PIC24FJ256DA206-I/PT	0035-1648-5	16-Bit Flash MCU with Graphics Controller and USB OTG	TQFP-64	256K	96K	32MHz	-	10/16	4 UART,3 SPI,3 I2C,1 USB	MICROCHIP
PIC24FJ256DA210-I/PT	0035-1337-3	16-Bit Flash MCU with Graphics Controller and USB OTG	TQFP-100	256K	96K	32MHz	-	10/24	4 UART,3 SPI,3 I2C,1 USB	MICROCHIP
PIC24HJ12GP201-I/P	0035-0892-1	High-Performance, 16-Bit Microcontrollers	PDIP-18	12K	1K	40MHz	-	12/6	1 UART,1 SPI,1 I2C	MICROCHIP
PIC24HJ12GP202-I/SO	0035-0894-7	High-Performance, 16-Bit Microcontrollers	SOIC-28	12K	1K	40MHz	-	12/10	1 UART,1 SPI,1 I2C	MICROCHIP
PIC24HJ12GP202-I/SP	0035-0895-0	High-Performance, 16-Bit Microcontrollers	PDIP-28	12K	1K	40MHz	-	12/10	1 UART,1 SPI,1 I2C	MICROCHIP
PIC24HJ64GP206-I/PT	0035-0776-0	High-Performance, 16-Bit Microcontrollers	TQFP-64	64K	8K	40MHz	-	12/18	2 UART,2 SPI,1 I2C	MICROCHIP
PIC24HJ128GP306-I/PT	0035-0741-3	High-Performance, 16-Bit Microcontrollers	TQFP-64	128K	16K	40MHz	-	12/18	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24HJ256GP210-I/PF	0035-0872-3	High-Performance, 16-Bit Microcontrollers	TQFP-100	256K	16K	40MHz	-	12/32	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24EP32GP202-I/SP	0035-1564-6	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	SDIP-28	32K	4K	60MHz	-	10/6,12/6	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24EP64GP202-I/SP	0035-1565-9	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	SDIP-28	64K	8K	60MHz	-	10/6,12/6	2 UART,2 SPI,2 I2C	MICROCHIP

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● PIC24 16-Bits Continued...

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC24EP64GP204-I/PT	0035-1567-5	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	TQFP-44	64K	8K	60MHz	-	10/9,12/9	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24EP64GP206-I/PT	0035-1568-8	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	TQFP-64	64K	8K	60MHz	-	10/16,12/16	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24EP128GP206-I/PT	0035-1569-1	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	TQFP-64	128K	16K	60MHz	-	10/16,12/16	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24EP256GP202-I/SP	0035-1646-9	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	SDIP-28	256K	32K	60MHz	-	10/6,12/6	2 UART,2 SPI,2 I2C	MICROCHIP
PIC24EP512GP806-I/PT	0035-1629-1	16-Bit MCU and DSC with PWM, USB and Advanced Analog	TQFP-64	536K	52K	60MHz	-	10/24,12/24	4 UART,4 SPI,2 I2C,2 CAN	MICROCHIP
PIC24EP256GU810-I/PT	0035-1570-8	16-Bit MCU and DSC with PWM, USB and Advanced Analog	TQFP-100	280K	28K	60MHz	-	10/32,12/32	4 USART,4 SPI,2 I2C,1 USB,2 CAN	MICROCHIP
PIC24EP256MC202-I/SP	0035-1566-2	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	SDIP-28	256K	32K	60MHz	-	10/9,12/9	2 UART,2 SPI,2 I2C	MICROCHIP

● dsPIC30/dsPIC33 16-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
DSPIC30F1010-30I/SP	0035-0779-9	High-Performance Switch Mode Power Supply DSC	PDIP-28	6K	256	15MHz	-	10/6	10/6	MICROCHIP
DSPIC30F2010-20I/SP	0035-0430-1	High-Performance Digital Signal Controllers	PDIP-28	12K	512	40MHz	1K	10/6	10/6	MICROCHIP
DSPIC30F2020-30I/SO	0035-0780-6	Switch Mode Power Supply Digital Signal Controller	SOIC-28	12K	512	15MHz	-	10/8	10/8	MICROCHIP
DSPIC30F3012-20I/SO	0035-0714-0	High-Performance, 16-Bit Digital Signal Controllers	SOIC-18	24K	2K	40MHz	1K	12/8	12/8	MICROCHIP
DSPIC30F3013-20I/SO	0035-0715-3	High-Performance, 16-bit Digital Signal Controllers	SOIC-28	24K	2K	40MHz	1K	12/10	12/10	MICROCHIP
DSPIC30F3014-20I/PT	0035-0716-6	High-Performance, 16-Bit Digital Signal Controllers	TQFP-44	24K	2K	40MHz	1K	12/13	12/13	MICROCHIP
DSPIC30F4011-20I/P	0035-0537-7	High-Performance, 16-Bit Digital Signal Controllers	PDIP-40	48K	2K	40MHz	1K	10/9	10/9	MICROCHIP
DSPIC30F4011-20I/PT	0035-0717-9	High-Performance, 16-Bit Digital Signal Controllers	TQFP-44	48K	2K	40MHz	1K	10/9	10/9	MICROCHIP
DSPIC30F4011-30I/P	0035-0803-8	High-Performance, 16-Bit Digital Signal Controllers	PDIP-40	48K	2K	40MHz	1K	10/9	10/9	MICROCHIP
DSPIC30F4012-20I/SO	0035-0718-2	High-Performance, 16-Bit Digital Signal Controllers	SOIC-28	48K	2K	40MHz	1K	10/6	10/6	MICROCHIP
DSPIC30F4013-30I/PT	0035-1409-2	High-Performance, 16-Bit Digital Signal Controllers	TQFP-44	48K	2K	40MHz	1K	12/13	12/13	MICROCHIP
DSPIC30F6014-30I/PF	0035-0496-3	High-Performance, 16-Bit Digital Signal Controllers	TQFP-80	144K	8K	40MHz	4K	12/16	12/16	MICROCHIP
DSPIC30F6014A-30I/PT	0035-0723-1	High-Performance, 16-Bit Digital Signal Controllers	TQFP-80	144K	8K	40MHz	4K	12/16	12/16	MICROCHIP
DSPIC30F6015-30I/PT	0035-0724-4	High-Performance, 16-Bit Digital Signal Controllers	TQFP-64	144K	8K	40MHz	4K	10/16	10/16	MICROCHIP
DSPIC33F16GS404-50I/PT	0035-1636-5	16-Bit DSC with High-Speed PWM, ADC, Comparators	TQFP-44	16K	2K	40MHz	-	10/8	10/8	MICROCHIP
DSPIC33FJ64GP206-I/PT	0035-1275-8	High-Performance, 16-Bit Digital Signal Controllers	TQFP-64	64K	8K	40MHz	-	12/18	12/18	MICROCHIP
DSPIC33FJ64MC710I/PT	0035-0727-3	High-Performance, 16-Bit Digital Signal Controllers	TQFP-100	64K	16K	40MHz	-	10/24,12/24	10/24,12/24	MICROCHIP
DSPIC33FJ128GP706-I/PT	0035-1292-7	High-Performance, 16-Bit Digital Signal Controllers	TQFP-64	128K	16K	40MHz	-	10/18,12/18	10/18,12/18	MICROCHIP
DSPIC33FJ128MC706A-I/PT	0035-1785-7	16-Bit DSC with Motor Control and Advanced Analog	TQFP-64	128K	16K	40MHz	-	10/16,12/16	10/16,12/16	MICROCHIP
DSPIC33FJ128MC706IPT	0035-0725-7	High-Performance, 16-Bit Digital Signal Controllers	TQFP-64	128K	16K	40MHz	-	10/16,12/16	10/16,12/16	MICROCHIP
DSPIC33FJ256GP506-I/PT	0035-1281-0	High-Performance, 16-Bit Digital Signal Controllers	TQFP-64	256K	16K	40MHz	-	12/18	12/18	MICROCHIP
DSPIC33FJ256GP710-I/PF	0035-1029-0	High-Performance, 16-Bit Digital Signal Controllers	TQFP-100	256K	30K	40MHz	-	10/32,12/32	10/32,12/32	MICROCHIP
DSPIC33FJ256MC710IPT	0035-0733-5	High-Performance, 16-Bit Digital Signal Controllers	TQFP-100	256K	30K	40MHz	-	10/24,12/24	10/24,12/24	MICROCHIP
DSPIC33EP32MC204-I/PT	0035-1771-1	16-Bit MCU and DSC with PWM, Op Amps, Advanced Analog	TQFP-44	32K	4K	60MHz	-	10/9,12/9	10/9,12/9	MICROCHIP
DSPIC33EP256MU806-I/PT	0035-1506-8	16-Bit MCU and DSC with PWM, USB, Advanced Analog	TQFP-64	280K	28K	60MHz	-	10/24,12/24	10/24,12/24	MICROCHIP

● PIC32MX/PIC32MZ 32-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC32MX110F016B-I/SO	0035-1710-4	32-Bit MCU with Audio/Graphics, USB and Advanced Analog	SOIC-28	16K	4K	50MHz	-	10/10	2 UART,2 I2C,2 SPI/I2S	MICROCHIP
PIC32MX150F128D-I/PT	0035-1746-4	32-Bit MCU with Audio/Graphics, USB and Advanced Analog	TQFP-44	128K	32K	50MHz	-	10/13	2 UART,2 SPI/I2C,2 I2C,1 USB	MICROCHIP
PIC32MX210F016B-I/SO	0035-1711-7	32-Bit MCU with Audio/Graphics, USB and Advanced Analog	SOIC-28	16K	4K	50MHz	-	10/9	2 UART,2 I2C,2 SPI/I2S,1 USB	MICROCHIP
PIC32MX210F016B-I/SP	0035-1591-9	32-Bit MCU with Audio/Graphics, USB and Advanced Analog	SPDIP-28	16K	4K	50MHz	-	10/9	2 UART,2 SPI/I2S,2 I2C,1 USB	MICROCHIP
PIC32MX250F128B-I/SP	0035-1590-6	32-Bit MCU with Audio/Graphics, USB and Advanced Analog	PDIP-28	128K	32K	50MHz	-	10/9	2 UART,2 SPI/I2S,2 I2C,1 USB	MICROCHIP
PIC32MX270F256D-I/PT	0035-1698-5	32-Bit MCU with Audio/Graphics, USB and Advanced Analog	TQFP-44	256K	64K	50MHz	-	10/13	2 UART,2 SPI/I2S,2 I2C,1 USB	MICROCHIP
PIC32MX440F256H-80I/PT	0035-1075-8	General Purpose and USB 32-Bit Flash Microcontrollers	TQFP-64	256K	32K	80MHz	-	10/16	2 UART,1 SPI,2 I2C,1 USB	MICROCHIP
PIC32MX460F256L-80I/PT	0035-1020-3	General Purpose and USB 32-Bit Flash Microcontrollers	TQFP-100	256K	32K	80MHz	-	10/16	2 UART,2 SPI,2 I2C,1 USB	MICROCHIP

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• PIC32MX/PIC32MZ 32-Bits
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MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
PIC32MX460F512L-80I/PT	0035-1043-0	General Purpose and USB 32-Bit Flash Microcontrollers	TQFP-100	512K	32K	80MHz	-	10/16	2 UART,2 SPI,2 I2C,1 USB	MICROCHIP
PIC32MX575F256H-80I/PT-T	0035-1827-8	32-Bit MCU with Graphics Interface, USB, CAN and Ethernet	TQFP-64	256K	64K	80MHz	-	10/16	6 UART,3 SPI,4 I2C,1 USB,1 CAN	MICROCHIP
PIC32MX575F512L-80I/PT	0035-1299-8	32-Bit MCU with Graphics Interface, USB, CAN and Ethernet	TQFP-100	512K	64K	80MHz	-	10/16	6 UART,4 SPI,5 I2C,1 USB,1 CAN	MICROCHIP
PIC32MX695F512H-80I/PT	0035-1200-5	32-Bit MCU with Graphics Interface, USB, CAN and Ethernet	TQFP-64	512K	128K	80MHz	-	10/16	6 UART,3 SPI,4 I2C,1 USB	MICROCHIP
PIC32MX695F512L-80I/PT	0035-1201-8	32-Bit MCU with Graphics Interface, USB, CAN and Ethernet	TQFP-100	512K	128K	80MHz	-	10/16	6 UART,4 SPI,5 I2C,1 USB	MICROCHIP
PIC32MX795F512H-80I/PT	0035-1501-3	32-Bit MCU with Graphics Interface, USB, CAN and Ethernet	TQFP-64	512K	128K	80MHz	-	10/16	6 UART,3 SPI,4 I2C,1 USB,2 CAN	MICROCHIP
PIC32MX795F512L-80I/PT	0035-1619-6	32-Bit MCU with Graphics Interface, USB, CAN and Ethernet	TQFP-100	512K	128K	80MHz	-	10/16	6 UART,4 SPI,5 I2C,1 USB,2 CAN	MICROCHIP
PIC32MZ1024ECG100-I/PT	0035-1729-5	32-Bit MCU with Audio/Graphics, HS USB, Ethernet	TQFP-100	1024K	512K	200MHz	-	10/40	6 UART,6 SPI/I2S,5 I2C	MICROCHIP
PIC32MZ1024ECH144-I/PH	0035-1730-2	32-Bit MCU with Audio/Graphics, HS USB, Ethernet	TQFP-144	1024K	512K	200MHz	-	10/48	6 UART,6 SPI/I2S,5 I2C	MICROCHIP
PIC32MZ1024ECM064-I/PT	0035-1728-2	32-Bit MCU with Audio/Graphics, HS USB, Ethernet	TQFP-64	1024K	512K	200MHz	-	10/24	6 UART,4 SPI/I2S,4 I2C	MICROCHIP
PIC32MZ2048ECH144-I/PH	0035-1778-2	32-Bit MCU with Audio/Graphics, HS USB, Ethernet	TQFP-144	2048K	512K	200MHz	-	10/48	6 UART,6 SPI/I2S,5 I2C,1 USB,2 CAN	MICROCHIP

• MCS-51 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
P80C31SBPN,112	0016-0182-3	80C51 8-Bit MCU 128 Byte RAM, ROMless, Low Power	PDIP-40	-	128	16MHz	-	-	1 UART	NXP
P80C31X2BN	0016-0178-7	80C51 8-Bit MCU 128 Byte RAM, Low Power, High Speed	PDIP-40	-	128	33MHz	-	-	1 UART	NXP
AT89C4051-24SU	0065-0151-1	8-Bit Microcontroller with 4KBytes Flash	SOIC-20	4K	128	24MHz	-	-	1 UART	ATMEL
AT89S51-24PU	0065-0247-0	8-Bit MCU with 4KBytes In-System Programmable Flash	PDIP-40	4K	128	24MHz	-	-	1 UART	ATMEL
AT89LP4052-20PU	0065-0179-3	8-Bit MCU with 4KByte Flash	PDIP-20	4K	256	20MHz	-	-	1 UART,1 SPI	ATMEL
AT89C52-24PI	0065-0028-5	8-Bit Microcontroller with 8KBytes Flash	PDIP-40	8K	256	24MHz	-	-	-	ATMEL
AT89S52-24PU	0065-0168-6	8-Bit MCU with 8KBytes In-System Programmable Flash	PDIP-40	8K	256	24MHz	-	-	1 UART	ATMEL
AT89S52-24JU	0065-0230-5	8-Bit MCU with 8KBytes In-System Programmable Flash	PLCC-44	8K	256	24MHz	-	-	1 UART	ATMEL
AT89S8253-24PU	0065-0169-9	8-Bit MCU with 12KBytes Flash and 2KBytes EEPROM	PDIP-40	12K	256	24MHz	2K	-	1 UART,1 SPI	ATMEL
AT89S8253-24AU	0065-0195-9	8-Bit MCU with 12KBytes Flash and 2KBytes EEPROM	TQFP-44	12K	256	24MHz	2K	-	1 UART,1 SPI	ATMEL
AT89S8253-24JU	0065-0205-8	8-Bit MCU with 12KBytes Flash and 2KBytes EEPROM	PLCC-44	12K	256	24MHz	2K	-	1 UART,1 SPI	ATMEL
DS89C420-ECL	0067-0028-9	Ultra-High-Speed Microcontroller	TQFP-44	16K	1K	33MHz	-	-	2 UART	DALLAS
DS89C430-MNL+	0067-0076-3	Ultra-High-Speed Flash Microcontrollers	PDIP-40	16K	1K	33MHz	-	-	2 UART	DALLAS
AT89C55WD-24PU	0065-0198-8	8-Bit MCU with 20KBytes Flash	PDIP-40	20K	256	24MHz	-	-	1 UART	ATMEL
AT89C55WD-24JU	0065-0214-9	8-Bit Microcontroller with 20KBytes Flash	PLCC-44	20K	256	24MHz	-	-	1 UART	ATMEL
AT89C55WD-24AU	0065-0223-0	8-Bit Microcontroller with 20KBytes Flash	TQFP-44	20K	256	24MHz	-	-	1 UART	ATMEL
AT89C51RC-24PU	0065-0251-6	8-Bit Microcontroller with 32KBytes Flash	PDIP-40	32K	512	24MHz	-	-	1 UART	ATMEL
AT89C51AC2-SLSUM	0065-0202-9	Enhanced 8-Bit Microcontroller with 32 KB Flash Memory	PLCC-44	32K	1.2K	40MHz	2K	10/8	1 UART	ATMEL
AT89C51AC2-RLTUM	0065-0212-3	Enhanced 8-Bit Microcontroller with 32 KB Flash Memory	VQFP-44	32K	1.2K	40MHz	2K	10/8	1 UART	ATMEL
ADUC834BS	0127-0058-8	Dual 16/24-Bit Sigma-Delta ADC MCU with 62KB Flash	MQFP-52	62K	2.25K	12.58MHz	4K	16/3,24/4	1 UART,1 SPI,1 I2C	ANALOG
P89V51RD2FA,512	0016-0191-4	8-Bit 80C51 5V Low Power 64 KByte Flash MCU, 1KByte RAM	PLCC-44	64K	1K	40MHz	-	-	1 UART,1 SPI	NXP
AT89C51ED2-SMSUM	0065-0163-1	8-Bit 8051 Flash Microcontroller with 2KByte EEPROM	PLCC-68	64K	2K	60MHz	2K	-	1 UART,1 SPI	ATMEL
AT89C51ED2-RLTUM	0065-0224-3	8-Bit Flash Microcontroller	VQFP-44	64K	2K	60MHz	2K	-	1 UART,1 SPI	ATMEL
SAF-XC878M-16FFI 5V AC	0227-0022-7	8-Bit Single-Chip MCU Compatible with 8051	LQFP-64	64K	3.25K	26.7MHz	-	10/8	2 UART,1 SPI	INFINEON
P89C668HBBDO/00,557	0016-0073-7	80C51 8-Bit Flash MCU with Boot ROM, ISP, IAP	LQFP-44	64K	8K	33MHz	-	-	1 UART,1 I2C	NXP
SST89E516RD-40-C-PIE	0035-1342-2	8-Bit 80C51 64 KByte FlashFlex MCU, 72KByte EEPROM	PDIP-40	72K	1K	40MHz	64	-	1 UART,1 SPI	MICROCHIP

• Cypress 8-Bits/16-Bits/32-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
MB89F202P-G-SH-SNE1	0001-0085-4	8-Bit F2MC-8L MCU Flash 16KBytes, 512 Bytes RAM	SHDIP-32	16K	512	12.5MHz	-	10/8	1 UART	CYPRESS
MB89F202RAYPVF-GE1	0001-0113-5	8-Bit F2MC-8L MCU Flash 16KBytes, 512 Bytes RAM	SSOP-34	16K	512	12.5MHz	-	10/8	1 UART	CYPRESS
MB95F108ANWPFM-GE1	0001-0122-6	8-Bit F2MC-8FX MCU Flash 60KBytes, 2KBytes RAM	LQFP-64	60K	2K	16.25MHz	-	8/12,10/12	2 UART,1 I2C	CYPRESS
MB95F108ANWPMC-GE1	0001-0149-5	8-Bit F2MC-8FX General Purpose MCU	LQFP-64	60K	2K	16.25MHz	-	8/12,10/12	2 UART,1 I2C	CYPRESS

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• Cypress 8-Bits/16-Bits/32-Bits
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MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
MB95F264KPF-G-SNE2	0001-0153-1	8-Bit F2MC-8FX General Purpose MCU	SOP-20	20K	496	16.25MHz	-	8/6,10/6	1 USART	CYPRESS
MB95F282KPF-G-SNE1	0001-0167-7	8-Bit F2MC-8FX General Purpose MCU	SOP-16	8K	240	16.25MHz	-	10/8,10/16	1 USART	CYPRESS
MB95F284KPF-G-SNE1	0001-0155-7	8-Bit F2MC-8FX General Purpose MCU	SOP-16	20K	496	16.25MHz	-	8/5,10/5	1 USART	CYPRESS
MB95F334KPMC-G-SNE2	0001-0157-3	8-Bit F2MC-8FX General Purpose MCU	LQFP-32	20K	1K	16.25MHz	-	10/8,10/10	1 USART,1 UART/SIO,1 I2C	CYPRESS
MB95F374EPMC1-G-SNE2	0001-0178-4	8-Bit F2MC-8FX MCU with LCD Controller	LQFP-64	20K	496	16.25MHz	-	8/4,10/4	2 UART,1 I2C	CYPRESS
MB95F564KPF-G-SNE2	0001-0189-1	8-Bit F2MC-8FX General Purpose MCU with Dual Operation	SOP-20	20K	496	16.25MHz	-	8/6,10/6	1 USART	CYPRESS
MB95F634KPMC-G-SNE2	0001-0191-1	8-Bit F2MC-8FX General Purpose MCU with Dual Operation	LQFP-32	20K	1K	16.25MHz	-	8/8,10/8	2 UART,1 I2C	CYPRESS
MB95F636KP-G-SH-SNE2	0001-0192-4	8-Bit F2MC-8FX General Purpose MCU with Dual Operation	SHDIP-32	36K	1K	16.25MHz	-	8/8,10/8	2 UART,1 I2C	CYPRESS
MB95F718JPMC-G-SNE2	0001-0219-8	8-Bit F2MC-8FX General Purpose MCU with LCD Controller	LQFP-80	60K	2K	16.25MHz	-	8/8,12/8	3 UART,1 I2C	CYPRESS
MB95F876KPMC-G-SNE2	0001-0197-9	8-Bit F2MC-8FX General Purpose MCU with Touch Sensor	LQFP-48	36K	1K	16.25MHz	-	8/8,10/8	1 UART/SIO,1 I2C	CYPRESS
MB90F867APF-GE1	0001-0141-1	16-Bit F2MC-16LX General Purpose MCU with PLL	QFP-100	128K	6K	4MHz	-	10/24	4 USART,2 I2C	CYPRESS
MB91F464AAPMC-GSE2	0001-0142-4	32-Bit FR60 RISC MCU with DMA Controller	LQFP-100	416K	16K	80MHz	-	10/21	5 USART,1 I2C,1 CAN	CYPRESS
MB91F479PMC1-GE1	0001-0132-0	32-Bit FR60 MCU High Speed Processing Performance	LQFP-144	512K	32K	80MHz	-	8/12,10/12	6 UART/I2C	CYPRESS
MB91F594BHSPMC-GSE1	0001-0194-1	32-Bit FR81S MCU Built-in Floating Point Arithmetic Unit	LQFP-208	1088K	64K	80MHz	-	8/32,10/32	6 USART,2 UART/LIN/CSIO/I2C,3 CAN	CYPRESS
MB91F599BHSPMC-ESE1	0001-0183-3	32-Bit FR81S MCU Built-in Floating Point Arithmetic Unit	QFP-208	1088K	64K	128MHz	-	8/32,10/32	6 UART,2 I2C,3 CAN,2 SIO	CYPRESS

• Lapis 8-Bits/ 16-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
ML610Q101-NNNMBZ0ATL	1111-0002-4	8-Bits RISC CPU with ADC, Timer, PWM, UART, I2C	SSOP-16	4K	256	8.192MHz	-	10/6	1 UART	LAPIS
ML620Q151A-NNNTBWABL	1111-0001-2	16-Bits RISC CPU with ADC, Timer, PWM, UART, I2C	TQFP-48	32K	2K	8.192MHz	-	10/12	2 UART, 1 I2C	LAPIS

• PSoC 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
MRT-CY8C27443-24P	0211-0010-7	PSoC Mixed Signal Array M8C with Advanced Peripherals	PDIP-28	16K	256	24MHz	-	14/4	2 UART,2 SPI,1 I2C	CYPRESS
MRT-CY8C27143-24P	0398-0059-2	PSoC Mixed Signal Array M8C with Advanced Peripherals	PDIP-8	16K	256	24MHz	-	14/4	2 UART,2 SPI,1 I2C	CYPRESS
ET-CY8C29666	0211-0009-0	PSoC Mixed Signal Array M8C with Advanced Peripherals	SSOP-48	32K	2K	24MHZ	-	14/4	4 UART,2 SPI,1 I2C	CYPRESS
MRT-CY8C29466-24P	0398-0061-2	PSoC Mixed Signal Array M8C with Advanced Peripherals	PDIP-28	32K	2K	24MHz	-	14/4	4 UART,2 SPI,1 I2C	CYPRESS

• MSP430 16-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
MSP430G2553IPW28R	0086-0720-9	Mixed Signal Microcontroller	TSSOP-28	16K	512	16MHz	-	10/8	1 UART,1 SPI,1 I2C,LIN,IrDA	TEXAS
ET-MSP430F169	0059-0389-7	Mixed Signal Microcontroller	QFP-64	60K	2K	8MHz	-	12/8	1 USART,1 SPI/I2C	ETT

• Coldfire 32-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
MCF51QE128CLK	0369-0016-0	32-Bit Version 1 ColdFire Central Processor Unit	LQFP-80	128K	8K	50MHz	-	12/24	2 SPI,2 I2C,2 SCI	FREESCALE

• HCS12 16-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
MC9S12DG128CPVE	0369-0006-6	16-Bit HCS12 MCU 128KBytes Flash 8KBytes RAM with CAN	LQFP-112	128K	8K	25MHz	2K	10/8	2 SPI,1 I2C,3 CAN,2 SCI	FREESCALE

• STM8 8-Bits

MFR Part Number	ES Part Number	Description	Package/Case	Program Memory (Bytes)	RAM (Bytes)	Max.Speed	EEPROM (Bytes)	ADC BIT/ Channel	Communication	MFR
STM8S103K3T6C	0083-0448-5	16 MHz STM8S 8-Bit MCU, 8 KBytes Flash, EEPROM, 10-Bit ADC	LQFP-32	8K	1K	16MHz	640	10/4	1 UART,1 SPI,1 I2C	ST MICRO

Field Programmable Gate Array - FPGA

MFR Part Number	ES Part Number	Description	Package/Case	Number of Gates	Block Ram (Bits)	Number of I/O	MFR
XC3S250E-4PQG208C	0269-0023-6	Spartan-3E FPGA	PQFP-208	250,000	216K	158	XILINX
XC3S250E-4PQG208CS1	0269-0031-4	Spartan-3E FPGA	PQFP-208	250,000	216K	158	XILINX
XC3S400-4PQG208C	0269-0029-4	Spartan-3 FPGA	PQFP-208	400,000	288K	141	XILINX
XC3S500E-4PQG208C	0269-0024-9	Spartan-3E FPGA	PQFP-208	500,000	360K	158	XILINX

Programmable Logic Device - PLD

MFR Part Number	ES Part Number	Description	Package/Case	Number of Macrocells	Propagation Delay (Maximum)	Fmax	MFR
GAL20V8B-25LP	0229-0002-3	High Performance E2CMOS PLD Generic Array Logic	PDIP-24	8	25ns	41.7 MHz	LATTICE
GAL16V8D-25LJ	0229-0004-9	High Performance E2CMOS PLD Generic Array Logic	PLCC-20	8	25ns	41.6 MHz	LATTICE
GAL16V8D-15QPN	0229-0008-1	High Performance E2CMOS PLD Generic Array Logic	PDIP-20	8	15ns	41.6 MHz	LATTICE
GAL16V8D-15LPN	0229-0009-4	High Performance E2CMOS PLD Generic Array Logic	PDIP-20	8	15ns	50 MHz	LATTICE
GAL20V8B-25LPN	0229-0012-7	High Performance E2CMOS PLD Generic Array Logic	PDIP-24	8	25ns	41.7 MHz	LATTICE
GAL22V10D-25LPN	0229-0011-4	High Performance E2CMOS PLD Generic Array Logic	PDIP-24	10	25ns	38.5 MHz	LATTICE

Microprocessors

MFR Part Number	ES Part Number	Description	Package/Case	Architecture	Speed	Voltage	MFR
KU80386EXTC33	0071-0011-0	Intel386 EX Embedded Microprocessor	PQFP-132	386EX	33MHz	5V	INTEL
EE80C186XL20	0071-0016-5	80C186XL/80X188XL 16-Bit High-Integration Embedded Processors	PLCC-68	80C186	20MHz	5V	INTEL
KU80C186EC20	0071-0019-4	16-Bit High-Integration Embedded Processors	PQFP-100	80C186	20MHz	5V	INTEL
Z8018008PSC	0089-0012-7	Z80180/Z8S180/Z8L180 SL1919 Enhanced Z180 Microprocessor	PDIP-64	Z180	8MHz	5V	ZILOG
Z8018008PSG	0089-0013-0	Microprocessor Unit	PDIP-64	Z180	8MHz	5V	ZILOG
Z8018008VSG	0089-0014-3	Microprocessor Unit	PLCC-68	Z180	8MHz	5V	ZILOG
Z8018008VSG00TR	0089-0018-5	Microprocessor Unit	PLCC-68	Z180	8MHz	5V	ZILOG
Z84C0006PEG	0089-0016-9	Z8400/Z84C00 NMOS/CMOS Z80 CPU Central Processing Unit	PDIP-40	Z80	6MHz	5V	ZILOG
Z84C0008PEC	0089-0017-2	Z8400/84C00 NMOS/CMOS Z80 CPU Central Processing Unit	PDIP-40	Z80	8MHz	5V	ZILOG

CODEC

MFR Part Number	ES Part Number	Description	Package /Case	MFR
TP3057WM	0078-0092-4	Enhanced Serial Interface CODEC/Filter COMBO Family	SOIC-16	TEXAS
IDT821068PX	0442-0004-4	OCTAL PROGRAMMABLE PCM CODEC	PQFP-128	IDT
TP3054WMX	0078-0135-4	Enhanced Serial Interface CODEC/Filter COMBO Family	SOIC-16	TEXAS
TP3054WMX/NOPB	0078-0241-1	Enhanced Serial Interface CODEC/Filter COMBO Family	SOIC-16	TEXAS

Controller

MFR Part Number	ES Part Number	Description	Package /Case	MFR
ADS7843E	0086-0511-8	Touch Screen Controller	SSOP-16	TEXAS
AR1020-I/SO	0035-1477-4	Resistive Touch Screen Controller	SOIC-20	MICROCHIP
ATA2538DC-24S	0798-0001-4	Digital Contact Controller	SSOP-24	FUJITSU
ATA5088DA-24S	0445-0030-5	Digital Contact Controller	SSOP-24	FUJITSU
CY8CMBR2044-24LKXI	0211-0013-6	Four Button CapSense Controller	QFN-16	CYPRESS
ENC28J60-I/SO	0035-1274-5	Stand-Alone Ethernet Controller with SPI Interface	SOIC-28	MICROCHIP
ENC624J600-I/PT	0035-1164-6	10/100 Ethernet Controller with SPI or Parallel Interface	TQFP-64	MICROCHIP
RTL8019AS	0217-0003-4	Full-Duplex Ethernet Controller with Pulg and Play Function	PQFP-100	REALTEK
FT232BL	0336-0004-5	FT232BL/BQ USB UART IC	LQFP-32	FTDI
FT232BL-REEL	0336-0009-1	FT232BL/BQ USB UART IC	LQFP-32	FTDI
FT232RL	0336-0003-2	FT232R USB UART IC	SSOP-28	FTDI
FT232RL-REEL	0336-0008-7	FT232R USB UART IC	SSOP-28	FTDI
MCP2200-I/SO	0035-1227-4	USB 2.0 to UART Protocol Converter with GPIO	SOIC-20	MICROCHIP
MCP2221-I/SL	0035-1718-8	USB 2.0 to I ² C/UART Protocol Converter with GPIO	SOIC-14	MICROCHIP
MCP2515-I/P	0035-0505-9	Stand-Alone CAN Controller with SPI Interface	PDIP-18	MICROCHIP
MCP2551-E/SN	0035-1695-6	High-Speed CAN Transceiver	SOIC-8	MICROCHIP
MCP2551-I/P	0035-0363-7	High-Speed CAN Transceiver	PDIP-8	MICROCHIP
MCP2551-I/SN	0035-0641-8	High-Speed CAN Transceiver	SOIC-8	MICROCHIP
MCP2003-E/SN	0035-1470-3	LIN J2602 Transceiver	SOIC-8	MICROCHIP

Encoder, Decoder, Converter

MFR Part Number	ES Part Number	Description	Package /Case	MFR
HCS200/P	0035-0030-1	KEELOQ Code Hopping Encoder	PDIP-8	MICROCHIP
HCS515/P-L	0035-0103-3	KEELOQ Code Hopping Decoder	PDIP-14	MICROCHIP
HCS301/SN	0035-0242-1	KEELOQ Code Hopping Encoder	SOIC-8	MICROCHIP
HCS301/P	0035-0407-0	KEELOQ Code Hopping Encoder	PDIP-8	MICROCHIP
HCS301/P-L	0035-0408-3	KEELOQ Code Hopping Encoder	PDIP-8	MICROCHIP
HT12D	0051-0011-4	2 ¹² Series of Decoders	PDIP-18	HOLTEK
HT12E	0051-0012-7	2 ¹² Series of Encoders	PDIP-18	HOLTEK
HT6221	0051-0019-8	Multi-Purpose Encoders	SOP-20	HOLTEK
HT6220A	0051-0023-4	Multi-Purpose Encoders	SOIC-16	HOLTEK
MC145028P	0077-0075-8	Encoder and Decoder Pairs	PDIP-16	NXP

IO Expander

MFR Part Number	ES Part Number	Description	Number of I/O	Package /Case	MFR
BU2098F-E2	0176-0243-2	Serial/Parallel 2-Input Drivers	8	SOP-16	ROHM
MCP23008-E/SO	0035-0598-4	8-Bit I/O Expander with Serial Interface	8	SOIC-18	MICROCHIP
MCP23016-I/SO	0035-0599-7	16-Bit I ² C I/O Expander	16	SOIC-28	MICROCHIP
MCP23017-E/SO	0035-1679-1	16-Bit I/O Expander with Serial Interface	16	SOIC-28	MICROCHIP

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• IO Expander Continued...

MFR Part Number	ES Part Number	Description	Number of I/O	Package /Case	MFR
MCP23017-E/SP	0035-1680-7	16-Bit I/O Expander with Serial Interface	16	PDIP-28	MICROCHIP
MCP23S08-E/SO	0035-0600-9	8-Bit I/O Expander with Serial Interface	8	SOIC-18	MICROCHIP
MCP23S17-E/SO	0035-1677-4	16-Bit I/O Expander with Serial Interface	16	SOIC-28	MICROCHIP
MCP23S17-E/SP	0035-1678-7	16-Bit I/O Expander with Serial Interface	16	PDIP-28	MICROCHIP
MCP25050-I/P	0035-0503-3	CAN I/O Expander	8	PDIP-14	MICROCHIP
PCF8574AP,112	0016-0249-3	Remote 8-bit I/O Expander for I ² C Bus	8	PDIP-16	NXP
PCF8574P,112	0016-0170-3	Remote 8-bit I/O Expander for I ² C Bus	8	PDIP-16	NXP
CS82C55AZ	0223-0020-3	CMOS Programmable Peripheral Interface	24	PLCC-44	INTERSIL
MSM82C55A-2GS-2K	0080-0008-8	CMOS Programmable Peripheral Interface	24	QFP-44	OKI
UPD82C55AC-2	0079-0013-2	Programmable Peripheral Interface	24	PDIP-40	NEC

RS232, UART

MFR Part Number	ES Part Number	Description	Package /Case	MFR
DS275+	0067-0059-4	Line-Powered RS-232 Transceiver Chip	PDIP-8	MAXIM
MAX202CPE+	0126-0052-3	+5V, RS-232 Transceivers with 0.1μF External Capacitors	PDIP-16	MAXIM
MAX202ESE+T	0126-0122-6	+5V, RS-232 Transceivers with 0.1μF External Capacitors	SOIC-16	MAXIM
MAX232CPE+	0126-0047-4	+5V-Powered, Multichannel RS-232 Drivers/Receivers	PDIP-16	MAXIM
MAX232CSE+T	0126-0046-1	+5V-Powered, Multichannel RS-232 Drivers/Receivers	SOIC-16	MAXIM
MAX232CWE+T	0126-0050-7	+5V-Powered, Multichannel RS-232 Drivers/Receivers	SOIC-16	MAXIM
HIN232ACPZ	0223-0033-6	High Speed +5V Powered RS-232 Transmitters/Receivers	PDIP-16	INTERSIL
MAX3232CPE+	0126-0060-1	True RS-232 Transceivers Using Four 0.1μF External Capacitors	PDIP-16	MAXIM
MAX3232CSE+T	0126-0110-6	+5V, RS-232 Transceivers with 0.1μF External Capacitors	SOIC-16	MAXIM
ICL3232CBNZ	0223-0061-2	250kbps, RS-232 Transmitters/Receiver	SOIC-16	INTERSIL
ICL3232CPZ	0223-0045-6	250kbps, RS-232 Transmitters/Receiver	PDIP-16	INTERSIL
ICL3232EIV-16Z	0223-0067-0	+/-15kV ESD Protected, 250kbps, RS-232 Transmitters/Receivers	TSSOP-16	INTERSIL
ICL3232EIV-16Z-T7A	0223-0072-9	+/-15kV ESD Protected, 250kbps, RS-232 Transmitters/Receivers	TSSOP-16	INTERSIL
SN75188DR	0086-0414-2	Quadruple Line Drivers	SOIC-14	TEXAS
SN75188N	0086-0154-3	Quadruple Line Drivers	PDIP-14	TEXAS
SN75189ADR	0086-0411-3	Quadruple Line Receivers	SOIC-14	TEXAS
SN75189AN	0086-0155-6	Quadruple Line Receivers	PDIP-14	TEXAS
PC16550DN/NOPB	0078-0201-5	Universal Asynchronous Receiver/Transmitter FIFOs	PDIP-40	TEXAS
PC16552DVX/NOPB	0078-0156-5	Dual Universal Asynchronous Receiver/Transmitter FIFOs	PLCC-44	TEXAS

RS422, RS423, RS485

MFR Part Number	ES Part Number	Description	Package /Case	MFR
DS90LV047ATM/NOPB	0078-0251-5	3V LVDS Quad CMOS Differential Line Driver	SOIC-16	TEXAS
DS90LV048ATM/NOPB	0078-0252-8	3V LVDS Quad CMOS Differential Line Receiver	SOIC-16	TEXAS
SN75174N	0086-0150-1	Quadruple Differential Line Driver	PDIP-16	TEXAS
SN75176BP	0086-0152-7	Differential Bus Transceivers	PDIP-8	TEXAS
SN75176BDR	0086-0274-6	Differential Bus Transceivers	SOIC-8	TEXAS
SN75178BP	0086-0284-0	Differential Bus Repeater	PDIP-8	TEXAS
AM26LS31CN	0086-0315-0	QUADRUPLE DIFFERENTIAL LINE DRIVER	PDIP-16	TEXAS
AM26LS32ACN	0086-0316-3	QUADRUPLE DIFFERENTIAL LINE RECEIVERS	PDIP-16	TEXAS
SN75172N	0086-0425-9	Quadruple Differential Line Driver	PDIP-16	TEXAS
MAX3082CPA+	0126-0048-7	Low-Power, Slew-Rate-Limited RS-485/RS-422 Transceivers	PDIP-8	MAXIM
MAX488CPA+	0126-0051-0	Low-Power, Slew-Rate-Limited RS-485/RS-422 Transceivers	PDIP-8	MAXIM

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• RS422, RS423, RS485 Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
MAX485CPA+	0126-0053-6	Low-Power, Slew-Rate-Limited RS-485/RS-422 Transceivers	PDIP-8	MAXIM
MAX3088CPA+	0126-0056-5	Fail-Safe, High-Speed, RS-485/RS-422 Transceivers	PDIP-8	MAXIM
MAX3086CPD+	0126-0062-7	Fail-Safe, High-Speed, RS-485/RS-422 Transceivers	PDIP-14	MAXIM
MAX487CSA+T	0126-0100-2	Low-Power, Slew-Rate-Limited RS-485/RS-422 Transceivers	SOIC-8	MAXIM
MAX487ECPA+	0126-0101-5	Low-Power, Slew-Rate-Limited RS-485/RS-422 Transceivers	PDIP-8	MAXIM
MAX13487EESA+T	0126-0120-0	Half-Duplex RS422/485 Transceiver/ AutoDirection Control	SOIC-8	MAXIM
MAX1490BCPG+	0126-0127-1	Complete, Isolated RS-485/RS-422 Data Interface	PDIP-24	MAXIM
MAX489ECS+T	0126-0131-7	+/-15kV ESD-Protected,Low-Power,RS-485/RS-422 Transceiver	SOIC-14	MAXIM
MAX491EESD+T	0126-0133-3	+/-15kV ESD-Protected,Low-Power,RS-485/RS-422 Transceiver	SOIC-14	MAXIM
MAX489ECPD+	0126-0134-6	+/-15kV ESD-Protected,Low-Power,RS-485/RS-422 Transceiver	PDIP-14	MAXIM
MAX489EESD+T	0126-0143-7	+/-15kV ESD-Protected,Low-Power,RS-485/RS-422 Transceiver	SOIC-14	MAXIM
MAX485EPA+	0126-0144-1	Low-Power, Slew-Rate-Limited RS-485/RS-422 Transceivers	PDIP-8	MAXIM
ISL8485CPZ	0223-0034-9	Low Power, High Speed RS-485/RS-422 Transceivers	PDIP-8	INTERSIL
ISL8487EIB	0223-0054-7	+/-15kV ESD Protected,1/8 Unit Load,RS-485/RS-422 Transceivers	SOIC-8	INTERSIL
ISL3175EIBZ	0223-0066-7	+/-15kV ESD Protected,Low-Power,RS-485/RS-422 Transceivers	SOIC-8	INTERSIL

Signal Switches

MFR Part Number	ES Part Number	Description	Package /Case	MFR
CD4051BCMX	0123-0334-5	Single 8-Channel Analog Multiplexers/Demultiplexers	SOIC-16	FAIRCHILD
CD4051BE	0086-0185-8	Single 8-Channel Multiplexer	PDIP-16	TEXAS
CD4051BM96	0086-0620-4	8-Channel Multiplexer	SOIC-16	TEXAS
CD74HC4051EE4	0086-0506-9	High-Speed CMOS Logic Analog Multiplexers/Demultiplexers	PDIP-16	TEXAS
MC14051BCPG	0235-0218-5	Analog Multiplexers/Demultiplexers	PDIP-16	ON SEMI
CD4052BE	0086-0186-1	8-Channel Multiplexer	PDIP-16	TEXAS
CD4052BM96	0086-0229-1	8-Channel Multiplexer	SOIC-16	TEXAS
CD74HC4052E	0086-0344-9	High-Speed CMOS Logic Analog Multiplexers/Demultiplexers	PDIP-16	TEXAS
HEF4052BT,653	0016-0259-7	4-Channel Analoge Multiplexer/Demultiplexer	SOIC-16	NXP
CD4053BE	0086-0187-4	8-Channel Multiplexer	PDIP-16	TEXAS
CD4053BM96	0086-0515-0	8-Channel Multiplexer	SOIC-16	TEXAS
CD74HC4053E	0086-0058-0	High-Speed CMOS Logic Analog Multiplexers/Demultiplexers	PDIP-16	TEXAS
CD4066BE	0086-0042-8	CMOS QUAD BILATERAL SWITCH	PDIP-14	TEXAS
CD4066BM96	0086-0044-4	CMOS QUAD BILATERAL SWITCH	SOIC-14	TEXAS
HEF4066BP	0016-0117-0	Quad Single-Pole Singel-Throw Analog Switch	PDIP-14	NXP
HEF4066BT,653	0016-0355-1	Quad Single-Pole Singel-Throw Analog Switch	SOIC-14	NXP
MC14066BCPG	0235-0219-8	Quad Analog Switch/Quad Multiplexer	PDIP-14	ON SEMI
SN74HC4066N	0086-0292-8	Quadruple Bilateral Analog Switch	PDIP-14	TEXAS
HEF4067BP	0016-0244-8	16-Channel Analog Multiplexer/Demultiplexer	PDIP-24	NXP
HEF4067BP,652	0016-0279-5	16-Channel Analog Multiplexer/Demultiplexer	PDIP-24	NXP
CD74HC4316E	0002-0101-2	High-Speed CMOS Quad Analog Switch with Level Translation	PDIP-16	TEXAS
MAX4617CPE+	0126-0049-0	High-Speed, CMOS Analog Analog Multiplexers/Switches	PDIP-16	MAXIM
DG409DJ	0126-0125-5	Improved, 8-Channel/Dual 4-Channel,CMOS Analog Multiplexers	PDIP-16	MAXIM
SN74CBTD3861PW	0086-0319-2	10-BIT FET Bus Switch with Level Shifting	TSSOP-24	TEXAS

Telecommunication

MFR Part Number	ES Part Number	Description	Package /Case	MFR
AS2522B	0350-0021-8	Telephone Line Interface and Speakerphone Circuit	TQFP-32	AMS
AS2525B	0350-0062-7	Single-Chip Handsfree Phone CMOS Integrated Circuit	TQFP-44	AMS
CMX631AD4	0281-0002-5	Low Voltage SPM Detector	SOIC-16	CML
CMX654D4	0281-0001-2	V23 Transmit Modulator	SOIC-16	CML

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• Telecommunication Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
D6385A	0999-0541-0	Digital Telephone Answering with FULL Duplex Speaker Phone	PQFP-80	DSP
GC83155B-LG	0441-0003-4	Clock/Data Recovery for 12MHz~155MHz optical transmission	LQFP-32	GEMSTONE
HT9020B	0051-0004-9	Call Progress Tone Decoder & ABR Controller	PDIP-8	HOLTEK
HT9020B-L	0051-0014-3	Call Progress Tone Decoder & ABR Controller	PDIP-8	HOLTEK
HT9032D	0051-0005-2	Calling Line Identification Receiver	SOIC-8	HOLTEK
HT9032D-L	0051-0016-9	Calling Line Identification Receiver	SOIC-8	HOLTEK
HT9302B	0051-0022-1	1-Memory/2-Memory Tone/Pulse Dialer	SKDIP-22	HOLTEK
IDT72V71643DAG	0442-0007-3	Time Slot Interchange Digital Switch with Rate Matching	TQFP-144	IDT
KA2418B	0082-0031-3	TONE RINGER WITH BRIDGE DIODE	PDIP-8	SAMSUNG
KS58555B	0082-0159-0	UNIVERSAL 15 MEMORY DIALER	PDIP-22	SAMSUNG
LE58QL021FJC	0558-0004-3	Quad Low Voltage Subscriber Line Audio-Processing Circuit	PLCC-44	LEGERITY
LE79112AKVC	0558-0006-9	VOICE CONTROL PROCESSOR	TQFP-128	LEGERITY
LE79252BTC	0558-0003-0	VOICE CONTROL PROCESSOR	TQFP-44	LEGERITY
LE79Q2284MVCT	0558-0007-2	Quad Intelligent Subscriber Line Audio-processing Circuit	LQFP-80	LEGERITY
LE88221DLC	0558-0005-6	Dual Channel Automatic Battery Switching VoicePort Device	LQFP-80	LEGERITY
LS1240AL-D08-T	0282-0097-3	Electronic Tone Ringer with Built-in Bridge Rectifier	PDIP-8	UTC
MC34018	0077-0085-2	VOICE SWITCHED SPEAKERPHONE CIRCUIT	PDIP-28	ON SEMI
MC34118L-S28-R	0282-0083-7	VOICE SWITCHED SPEAKER-PHONE CIRCUIT	SOP-28	UTC
MC34118L-UTC	0282-0049-9	VOICE SWITCHED SPEAKER-PHONE CIRCUIT	PDIP-28	UTC
MC34118-UTC	0282-0001-9	VOICE SWITCHED SPEAKER-PHONE CIRCUIT	PDIP-28	UTC
MH88632	0003-0004-3	Central Office Interface Circuit	SIL-40	MICROSEMI
MH89750	0003-0005-6	ST-BUS FAMILY MH89750 T1 Framer & Interface	DIL-40	MICROSEMI
MH89760	0003-0006-9	ST-BUS FAMILY MH89769B T1/ESF Framer & Interface	DIL-40	MICROSEMI
MH89790	0003-0007-2	ST-BUS FAMILY CEPT PCM 30/CRC-4 Framer & Interface	DIL-40	MICROSEMI
MT8806AE	0003-0010-5	ISO-CMOS 8x4 Analog Switch Array	PDIP-24	MICROSEMI
MT8806AE1	0003-0066-3	ISO-CMOS 8 x 4 Analog Switch Array	PDIP-24	MICROSEMI
MT8806AE1	0003-0080-3	ISO-CMOS 8 x 4 Analog Switch Array	PDIP-24	MICROSEMI
MT8806AP1	0003-0081-6	ISO-CMOS 8 x 4 Analog Switch Array	PLCC-28	MICROSEMI
MT8816AE1	0003-0062-1	ISO-CMOS 8x16 Analog Switch Array	PDIP-40	MICROSEMI
MT8816AP	0003-0014-7	ISO-CMOS 8x16 Analog Switch Array	PLCC-44	MICROSEMI
MT8840AE	0003-0015-0	ISO ₂ -CMOS Data Over Voice Modem	PDIP-18	MICROSEMI
MT8870DE1	0003-0063-4	ISO ₂ -CMOS Integrated DTMF Receiver	PDIP-18	MICROSEMI
MT8870DS1	0003-0082-9	ISO ₂ -CMOS Integrated DTMF Receiver	SOIC-18	MICROSEMI
MT8880CE1	0003-0059-8	ISO ₂ -CMOS Integrated DTMF Transceiver	PDIP-20	MICROSEMI
MT8880CS1	0003-0083-2	ISO ₂ -CMOS Integrated DTMF Transceiver	SOIC-20	MICROSEMI
MT8888CE1	0003-0065-0	Integrated DTMF Transceiver with Intel Micro Interface	PDIP-20	MICROSEMI
MT88E43BE	0003-0021-2	CMOS Extended Voltage Calling Number Identification Circuit 2	PDIP-24	MICROSEMI
MT8941BE	0003-0026-7	Advanced T1/CEPT Digital Trunk PLL	PDIP-24	MICROSEMI
MT8952BP1	0003-0056-9	ISO-CMOS ST-BUS Family HDLC Protocol Controller	PLCC-28	MICROSEMI
MT8960AE1	0003-0075-4	ISO ₂ -CMOS Integrated PCM Filter Codec	PDIP-18	MICROSEMI
MT8961AE	0003-0058-5	ISO ₂ -CMOS Integrated PCM Filter Codec	PDIP-18	MICROSEMI
MT8980DP	0003-0032-9	ISO-CMOS ST-BUS Family Digital Switch	PLCC-44	MICROSEMI
MT8980DP1	0003-0078-3	ISO-CMOS ST-BUS Family Digital Switch	PLCC-44	MICROSEMI
MT9076BP	0003-0040-7	T1/E1/J1 3.3V Single Chip Transceiver	PLCC-68	MICROSEMI
MT9076BP1	0003-0061-8	T1/E1/J1 3.3V Single Chip Transceiver	PLCC-68	MICROSEMI
MT90812AP1	0003-0076-7	Integrated Digital Switch (IDX)	PLCC-68	MICROSEMI
MT9092AP	0003-0037-4	ISO ₂ -CMOS ST-BUS Digital Telephone with HDLC	PLCC-44	MICROSEMI
MT9172AP1	0003-0068-9	Digital Network Interface Circuit	PLCC-28	MICROSEMI
SL1935D	0003-0048-1	Single Chip Synthesized Zero IF Tuner	SSOP-36	MICROSEMI
XR2211ACP-F	0125-0004-2	FSK Demodulator/Tone Decoder	PDIP-14	EXAR
ZL50000DP1	0003-0067-6	PCM-Encoded Voice or Data	PLCC-44	MICROSEMI

Audio Amplifier

MFR Part Number	ES Part Number	Max Power Output x Channel	Total Harmonic Distortions (THD)	Package/Case	MFR
BA5406	0176-0006-5	5Wx2@3Ω	0.30%	SIP-12	ROHM
BD7836EFV-E2	0176-0450-7	1.9Wx2@4Ω	1%	HTSSOP-B20	ROHM
BD8878FV-E2	0176-1154-5	-	0.00%	SSOP-14	ROHM
KA8602B	0082-0161-0	400mWx1@100Ω	0.50%	PDIP-8	SAMSUNG
LM1875T/NOPB	0078-0257-3	30Wx1@8Ω	0.02%	TO-220-5-B	TEXAS
LM386L	0282-0046-0	325mWx1@8Ω	0.20%	PDIP-8	UTC
LM386MX-1/NOPB	0078-0262-2	325mWx1@8Ω	0.20%	SOIC-8	TEXAS
LM386N-1/NOPB	0078-0186-7	325mWx1@8Ω	0.20%	PDIP-8	TEXAS
LM3886T/NOPB	0078-0160-1	68Wx1@4Ω	0.03%	MULTIWATT-11	TEXAS
LM3886TF/NOPB	0078-0198-7	68Wx1@4Ω	0.03%	MULTIWATT-11	TEXAS
MC34119L-D08-T	0282-0059-3	400mWx1@100Ω	0.50%	PDIP-8	UTC
TDA2003AV	0083-0458-9	12Wx1@1.6Ω	0.15%	PENTAWATT-5	ST MICRO
TDA2003L-TB5-T	0282-0102-7	12Wx1@1.6Ω	0.15%	TO-220-5-B	UTC
TDA2005R	0083-0098-5	12Wx2@2Ω	1%	MULTIWATT-11	ST MICRO
TDA2009A	0083-0172-4	12.5Wx2@4Ω	0.20%	MULTIWATT-11	ST MICRO
TDA2030AL	0282-0028-8	18Wx1@4Ω	0.02%	TO-220-5-B	UTC
TDA2030AV	0083-0099-8	14Wx1@4Ω	0.03%	PENTAWATT-5	ST MICRO
TDA2040V	0083-0176-6	22Wx1@4Ω	0.03%	PENTAWATT-5	ST MICRO
TDA2050V	0083-0418-3	35Wx1@4Ω	0.05%	PENTAWATT-5	ST MICRO
TDA2822D-L	0083-0204-7	1Wx1@32Ω	0.20%	SOIC-8	ST MICRO
TDA2822L	0282-0027-5	1.35Wx1@4Ω ; 0.65Wx2@4Ω	0.50%	PDIP-8	UTC
TDA2822L-D08-T	0282-0100-1	1.35Wx1@4Ω ; 0.65Wx2@4Ω	0.50%	PDIP-8	UTC
TDA2822M	0083-0100-0	1Wx1@32Ω	0.20%	PDIP-8	ST MICRO
TDA7265	0083-0212-5	25Wx2@8Ω	0.01%	MULTIWATT-11	ST MICRO
TDA7266D	0083-0276-1	7Wx2@8Ω	0.05%	SOIC-20	ST MICRO
TDA7266D13TR	0083-0442-7	5Wx2@8Ω	0.05%	SOIC-20	ST MICRO
TDA7294V	0083-0177-9	100Wx1@8Ω	0.10%	MULTIWATT-15	ST MICRO
TDA7499L-J11-T	0282-0051-9	6Wx2@8Ω	0.20%	MULTIWATT-11	UTC
TEA2025L-D16-T	0282-0055-1	4.7Wx1@8Ω	0.30%	PDIP-16	UTC
TPA4861DRG4	0086-0526-7	1Wx1@8Ω	0.11%	SOIC-8	TEXAS

Audio Processing

MFR Part Number	ES Part Number	Description	Package/Case	MFR
AP89085	0585-0004-6	VOICE OTP IC	PDIP-24	APLUS
AP89341	0585-0003-3	VOICE OTP IC	PDIP-24	APLUS
BU94501AKS2-E2	0176-0156-1	USB Audio Decoder AAC/WMA/MP3+SD Card	SQFP-T52M	ROHM
I1790PY	0022-0017-5	Multi-Message Voice Reocrd & Playback Devices	PDIP-28W	ISD
ISD4003-05MPY	0022-0018-8	Multiple-messages voice record/playback devices	PDIP-28	ISD
ISD4004-10MPY	0022-0016-2	Multiple-messages voice record/playback devices	PDIP-28	ISD
NJU26902VM1-TE2-#ZZZD	0131-0029-5	Digital Audio Delay	SSOP-20	NJR/JRC
PT2399	0236-0002-0	Echo Processor IC	PDIP-16	PTC
VS1003B-L	0920-0002-3	MP3/WMA AUDIO CODEC	LQFP-48	VSI

Comparator

MFR Part Number	ES Part Number	Number of Elements	Voltage - Input Offset (Max)	Current - Input Bias (Max)	Package/Case	MFR
BA10393F-E2	0176-0133-3	2	7mV @ 5V	0.25μA @ 5V	SOP-8	ROHM
LM2901N	0086-0726-7	4	7mV @ 5V	0.25μA @ 5V	PDIP-14	TEXAS
LM311N/NOPB	0078-0189-6	1	7.5mV @±15V	0.25μA @±15V	PDIP-8	TEXAS
LM311P	0086-0305-6	1	7.5mV @±15V	0.25μA @±15V	PDIP-8	TEXAS
LM339DR2G	0235-0138-8	4	±5mV @ 5V	0.25μA @ 5V	SOIC-14	ON SEMI
LM339DT	0083-0219-6	4	5mV @ 5V	0.25μA @ 5V	SOIC-14	ST MICRO
LM339DT-L	0083-0220-3	4	5mV @ 5V	0.25μA @ 5V	SOIC-14	ST MICRO
LM339L-S14-T	0282-0094-4	4	7mV @ 5V	0.25μA @ 5V	SOP-14	UTC
LM339N	0083-0319-1	4	5mV @ 5V	0.25μA @ 5V	PDIP-14	ST MICRO
LM339N	0086-0697-3	4	5mV @ 5V	0.25μA @ 5V	PDIP-14	TEXAS
LM393DR2G	0235-0159-9	2	±5mV @ 5V	0.25μA @ 5V	SOIC-8	ON SEMI
LM393DT	0083-0221-6	2	5mV @ 5V	0.25μA @ 5V	SOIC-8	ST MICRO
LM393N	0083-0419-6	2	5mV @ 5V	0.25μA @ 5V	PDIP-8	ST MICRO
LM393N-ST-L	0083-0163-3	2	5mV @ 5V	0.25μA @ 5V	PDIP-8	ST MICRO
LM393P	0086-0700-1	2	5mV @ 5V	0.25μA @ 5V	PDIP-8	TEXAS
MCP6569T-E/SL	0035-1688-1	4	10mV @ 5.5V	1pA @ 5.5V	SOIC-14	MICROCHIP

Op-Amp and Instrumentation Amplifier

MFR Part Number	ES Part Number	Number of Circuits	Slew Rate (Typ)	Gain Bandwidth Product	Package/Case	MFR
HA17741	0364-0003-2	1	1.000V/μs	-	PDIP-8	RENESAS
UA741CN	0083-0449-8	1	0.500V/μs	1MHz	PDIP-8	ST MICRO
UA741CP	0086-0715-1	1	0.500V/μs	1MHz	PDIP-8	TEXAS
LMR321G-GTR	0176-0395-3	1	1.000V/μs	3MHz	SSOP-5(SOT-23-5)	ROHM
LMV321ILT	0633-0004-1	1	0.350V/μs	1MHz	SOT-23-5	ST MICRO
BA10324AF-E2	0176-1039-5	4	0.200V/μs	500kHz	SOP-14	ROHM
HA17324A-E-Q	0364-0028-5	4	0.190V/μs	-	PDIP-14	RENESAS
LM324DR2G	0235-0072-1	4	0.600V/μs	-	SOIC-14	ON SEMI
LM324DT	0083-0183-1	4	0.400V/μs	1.3MHz	SOIC-14	ST MICRO
LM324N	0083-0329-5	4	0.400V/μs	1.3MHz	PDIP-14	ST MICRO
LM324N	0086-0707-2	4	0.500V/μs	-	PDIP-14	TEXAS
KA324ADTF	0123-0117-6	4	1.500V/μs	-	SOIC-14	FAIRCHILD
LF351N	0083-0063-8	1	16.000V/μs	4MHz	PDIP-8	ST MICRO
LF353N/NOPB	0078-0170-5	2	13.000V/μs	-	PDIP-8	TEXAS
LF353P	0086-0346-5	2	13.000V/μs	-	PDIP-8	TEXAS
LM318N/NOPB	0078-0175-0	1	70.000V/μs	15MHz	PDIP-8	TEXAS
LM348N	0086-0384-5	4	0.500V/μs	-	PDIP-14	TEXAS
LM348NE4	0086-0434-0	4	0.500V/μs	-	PDIP-14	TEXAS
LF356N/NOPB	0078-0206-0	1	12.000V/μs	5MHz	PDIP-8	TEXAS
LM258DR	0086-0665-5	2	0.300V/μs	-	SOIC-8	TEXAS
BA10358F-E2	0176-0132-1	2	0.200V/μs	500kHz	SOP-8	ROHM
HA17358B	0364-0031-8	2	-	-	PDIP-8	RENESAS
LM358DR	0086-0301-4	2	0.300V/μs	-	SOIC-8	TEXAS
LM358DT	0083-0184-4	2	0.600V/μs	1.1MHz	SOIC-8	ST MICRO
LM358MX/NOPB	0078-0318-5	2	0.100V/μs	-	SOIC-8	TEXAS
LM358N	0083-0324-0	2	0.600V/μs	1.1MHz	PDIP-8	ST MICRO
LM358N/NOPB	0078-0290-8	2	0.100V/μs	-	PDIP-8	TEXAS
LM358P	0086-0723-8	2	0.300V/μs	-	PDIP-8	TEXAS

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• Op-Amp and Instrumentation Amplifier Continued...

MFR Part Number	ES Part Number	Number of Circuits	Slew Rate (Typ)	Gain Bandwidth Product	Package/Case	MFR
LM358SNG	0235-0442-9	2	-	-	PDIP-8	ON SEMI
LMR358F-GE2	0176-0226-3	2	1.000V/ μ s	3MHz	SOP-8	ROHM
BA4558F-E2	0176-0468-5	2	1.000V/ μ s	-	SOP-8	ROHM
LM1458MX/NOPB	0078-0157-8	2	0.500V/ μ s	-	SOIC-8	TEXAS
LM1458N/NOPB	0078-0177-6	2	0.500V/ μ s	-	PDIP-8	TEXAS
KIA4558P/P	0136-0183-1	2	1.000V/ μ s	3MHz	PDIP-8	KEC
NJM4558D-#ZZZB	0131-0012-0	2	1.000V/ μ s	-	PDIP-8	NJR/JRC
NJM4558L-#ZZZB	0131-0015-9	2	1.000V/ μ s	3MHz	SIP-8	NJR/JRC
TJM4558CDT	0083-0207-6	2	2.200V/ μ s	5.5MHz	SOIC-8	ST MICRO
TJM4558CN	0083-0122-4	2	2.200V/ μ s	5.5MHz	PDIP-8	ST MICRO
BA4560F-E2	0176-0131-7	2	4.000V/ μ s	10MHz	SOP-8	ROHM
L272M	0083-0061-2	2	1.000V/ μ s	350kHz	PDIP-8	ST MICRO
LM301AN/NOPB	0078-0246-6	1	10.000V/ μ s	-	PDIP-8	TEXAS
LM7101G-GTR	0176-1122-2	1	1.200V/ μ s	1.5MHz	SSOP-5(SOT-23-5)	ROHM
LM833M/NOPB	0078-0330-9	2	7.000V/ μ s	15MHz	SOIC-8	TEXAS
LM833N/NOPB	0078-0182-5	2	7.000V/ μ s	15MHz	PDIP-8	TEXAS
LMR824F-GE2	0176-1123-4	4	2.000V/ μ s	5MHz	SOP-14	ROHM
LT1167AIN8	0263-0020-5	1	1.200V/ μ s	1MHz	PDIP-8	LINEAR
MCP6004-I/SL	0035-1092-7	4	0.600V/ μ s	1MHz	SOIC-14	MICROCHIP
MCP6004T-E/ST	0035-1533-1	4	0.600V/ μ s	1MHz	TSSOP-14	MICROCHIP
MCP6024-I/ST	0035-1426-1	4	7.000V/ μ s	10MHz	TSSOP-14	MICROCHIP
MCP604T-I/SL	0035-0815-8	4	2.300V/ μ s	2.8MHz	SOIC-14	MICROCHIP
MCP6402-H/SN	0035-1644-3	2	0.500V/ μ s	1MHz	SOIC-8	MICROCHIP
MCP6424-E/SL	0035-1699-8	4	0.050V/ μ s	90kHz	SOIC-14	MICROCHIP
MCP6N11-010E/SN	0035-1745-1	1	3.000V/ μ s	500kHz	SOIC-8	MICROCHIP
MCP6S28T-I/SL	0035-1689-4	8	22.000V/ μ s	-	SOIC-16	MICROCHIP
NE5532P	0086-0280-8	2	9.000V/ μ s	-	PDIP-8	TEXAS
NJM2068D	0131-0003-9	2	6.000V/ μ s	27MHz	PDIP-8	NJR/JRC
BA2902SF-E2	0176-0465-6	4	0.200V/ μ s	500kHz	SOP-14	ROHM
LM2902N	0083-0208-9	4	0.400V/ μ s	1.3MHz	PDIP-14	ST MICRO
LM2902N	0086-0721-2	4	0.500V/ μ s	-	PDIP-14	TEXAS
BA2904SF-E2	0176-0242-9	2	0.200V/ μ s	500kHz	SOP-8	ROHM
LM2904N	0083-0359-7	2	0.600V/ μ s	1.1MHz	PDIP-8	ST MICRO
NJM2904D-#ZZZB	0131-0027-9	2	0.500V/ μ s	-	PDIP-8	NJR/JRC
BA3472F-E2	0176-0466-9	2	10.000V/ μ s	4MHz	SOP-8	ROHM
BA3474F-E2	0176-0467-2	4	10.000V/ μ s	4MHz	SOP-14	ROHM
CA3130EZ	0223-0026-1	1	30.000V/ μ s	-	PDIP-8	INTERSIL
CA3140EZ	0223-0023-2	1	9.000V/ μ s	4.5MHz	PDIP-8	INTERSIL
OP07CDR	0086-0543-6	1	0.300V/ μ s	-	SOIC-8	TEXAS
OP07CP	0086-0074-6	1	0.300V/ μ s	-	PDIP-8	TEXAS
OPA548T	0086-0678-8	1	10.000V/ μ s	1MHz	TO-220-7	TEXAS
OPA549T	0086-0679-1	1	9.000V/ μ s	900kHz	MULTIWATT-11	TEXAS
TL061CP	0086-0498-6	1	3.500V/ μ s	-	PDIP-8	TEXAS
TL062CN	0083-0281-0	2	3.500V/ μ s	1MHz	PDIP-8	ST MICRO
TL062CP	0086-0497-3	2	3.500V/ μ s	-	PDIP-8	TEXAS
TL064CN	0083-0431-0	4	3.500V/ μ s	1MHz	PDIP-14	ST MICRO
TL064CN	0086-0158-5	4	3.500V/ μ s	-	PDIP-14	TEXAS
TL071CP	0086-0252-2	1	13.000V/ μ s	-	PDIP-8	TEXAS
TL072CN	0083-0124-0	2	16.000V/ μ s	4MHz	PDIP-8	ST MICRO
TL072CP	0086-0159-8	2	13.000V/ μ s	-	PDIP-8	TEXAS

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Op-Amp and Instrumentation Amplifier

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MFR Part Number	ES Part Number	Number of Circuits	Slew Rate (Typ)	Gain Bandwidth Product	Package/Case	MFR
TL074CDT	0083-0127-9	4	13.000V/ μ s	3MHz	SOIC-14	ST MICRO
TL074CN	0083-0308-4	4	13.000V/ μ s	3MHz	PDIP-14	ST MICRO
TL074CN	0086-0652-2	4	13.000V/ μ s	-	PDIP-14	TEXAS
TL082CDT	0083-0128-2	2	16.000V/ μ s	4MHz	SOIC-8	ST MICRO
TL082CN	0083-0318-8	2	16.000V/ μ s	4MHz	PDIP-8	ST MICRO
TL082CP	0086-0724-1	2	13.000V/ μ s	-	PDIP-8	TEXAS
TL084CDT	0083-0262-5	4	16.000V/ μ s	4MHz	SOIC-14	ST MICRO
TL084CN	0083-0317-5	4	16.000V/ μ s	4MHz	PDIP-14	ST MICRO
TL084CN	0086-0696-1	4	13.000V/ μ s	-	PDIP-14	TEXAS
TLC2272ACDR	0086-0662-6	2	3.600V/ μ s	2.18MHz	SOIC-8	TEXAS
TLC2272CP	0086-0243-1	2	3.600V/ μ s	2.18MHz	PDIP-8	TEXAS
TLC272CP	0086-0166-3	2	3.600V/ μ s	-	PDIP-8	TEXAS
TLC274CN	0086-0306-9	4	3.600V/ μ s	-	PDIP-14	TEXAS
TLC274CNE4	0086-0519-2	4	2.900V/ μ s	-	PDIP-14	TEXAS
TLC27L2CP	0086-0479-1	2	0.030V/ μ s	-	PDIP-8	TEXAS
TLC27L2CPE4	0086-0520-9	2	0.030V/ μ s	-	PDIP-8	TEXAS
TLR342F-GE2	0176-1124-6	2	1.000V/ μ s	2.2MHz	SOP-8	ROHM
TLR344F-GE2	0176-1125-8	4	1.000V/ μ s	2.2MHz	SOP-14	ROHM

Video Processing

MFR Part Number	ES Part Number	Description	Package/Case	MFR
LA7213-E	0168-0041-2	Automatic Channel Selection Peripheral	SIP-5	SANYO
LM1881N/NOPB	0078-0172-1	Video Sync Separator	PDIP-8	TEXAS
SAA7113H/V2,557	0016-0263-3	9-bit video input processor	QFP-44	NXP
VX1937	0979-0001-3	NTSC/PAL Digital Video Encoder	PQFP-128	VXIS

Buffers/Drivers/Transceivers

MFR Part Number	ES Part Number	Description	Package /Case	MFR
CD4049UBDRG4	0086-0507-2	CMOS Hex Buffer/Converters	SOIC-16	TEXAS
CD4049UBE	0086-0037-9	CMOS Hex Buffer/Converters	PDIP-16	TEXAS
HEF4049BP,652	0016-0221-1	Hex Inverting Buffers	PDIP-16	NXP
HEF4049BT,653	0016-0228-2	Hex Inverting Buffers	SOIC-16	NXP
CD4050BDR	0086-0534-5	CMOS Hex Buffer/Converters	SOIC-16	TEXAS
CD4050BE	0086-0039-5	CMOS Hex Buffer/Converters	PDIP-16	TEXAS
CD4069UBCMX	0123-0051-9	Inverter Circuits	SOIC-14	FAIRCHILD
CD4069UBE	0086-0680-8	CMOS Hex Inverter	PDIP-14	TEXAS
HEF4069UBP	0016-0099-3	Hex Inverter	PDIP-14	NXP
HEF4069UBP,652	0016-0327-4	Hex Inverter	PDIP-14	NXP
HEF4069UBT	0016-0306-3	Hex Inverter	SOIC-14	NXP
HEF4069UBT,653	0016-0331-1	Hex Inverter	SOIC-14	NXP
MC14069UBCPG	0235-0287-0	Hex Inverter	PDIP-14	ON SEMI
CD40106BCMX	0123-0347-8	Hex Schmitt Trigger	SOIC-14	FAIRCHILD
CD40106BE	0086-0024-6	CMOS Schmitt Triggers	PDIP-14	TEXAS
CD40106BM96	0086-0731-6	CMOS Hex Schmitt Triggers	SOIC-14	TEXAS
HEF40106BP	0016-0031-5	Hex Inverting Schmitt trigger	PDIP-14	NXP
HEF40106BT,653	0016-0213-3	Hex Inverting Schmitt trigger	SOIC-14	NXP
TC4584BP	0087-0020-1	Hex Schmitt Trigger	PDIP-14	TOSHIBA
MC14584BCPG	0235-0178-4	Hex Schmitt Trigger	PDIP-14	ON SEMI
SN74HC04N	0086-0081-1	Hex Inverter	PDIP-14	TEXAS
SN74HCT04DR	0086-0112-1	Hex Inverter	SOIC-14	TEXAS
SN74HCT04N	0086-0113-4	Hex Inverter	PDIP-14	TEXAS
SN74LS04N	0086-0288-2	Hex Inverter	PDIP-14	TEXAS
SN74LVC04APWR	0086-0551-4	Hex Inverter	TSSOP-14	TEXAS
SN74HC04DR	0086-0231-1	Hex Inverter	SOIC-14	TEXAS
HD74LS05P	0364-0009-0	Hex Inverters (with Open Collector Outputs)	PDIP-14	RENESAS
DM7406MX	0123-0296-0	Hex Inverting Buffers, High Voltage Open-Collector Outputs	SOIC-14	FAIRCHILD
SN74LS06N	0086-0144-9	Hex Inverters Buffers, Open-Collector High-Voltage Outputs	PDIP-14	TEXAS
SN7407DRG4	0086-0616-8	Hex Buffers/Drivers with Open-Collector High-Voltage Outputs	SOIC-14	TEXAS
SN7407N	0086-0205-1	Hex Buffers/Drivers with Open-Collector High-Voltage Outputs	PDIP-14	TEXAS
SN74LS07DR	0086-0211-3	Hex Buffers/Drivers with Open-Collector High-Voltage Outputs	SOIC-14	TEXAS
SN74LS07N	0086-0145-2	Hex Buffers/Drivers with Open-Collector High-Voltage Outputs	PDIP-14	TEXAS
HD74LS14P	0364-0014-9	Hex Schmitt Trigger Inverters	PDIP-14	RENESAS
MM74HCT14MX	0123-0194-9	Hex Inverting Schmitt Trigger	SOIC-14	FAIRCHILD
SN74HC14DR	0086-0332-9	Hex Schmitt Trigger Inverters	SOIC-14	TEXAS
SN74HC14N	0086-0090-2	Hex Schmitt Trigger Inverters	PDIP-14	TEXAS
SN74HCT14DR	0086-0123-8	Hex Schmitt Trigger Inverters	SOIC-14	TEXAS
SN74HCT14N	0086-0227-5	Hex Schmitt Trigger Inverters	PDIP-14	TEXAS
SN74LS14N	0086-0264-2	Hex Schmitt Trigger Inverters	PDIP-14	TEXAS
SN74LVC14APWR	0086-0558-5	Hex Schmitt Trigger Inverters	TSSOP-14	TEXAS
HD74LS04P	0364-0015-2	Hex Inverters/Hex Inverters (with Open Collector Outputs)	PDIP-14	RENESAS
SN74HC125DR	0086-0331-6	Quadruple Bus Buffer Gates, 3-State Outputs	SOIC-14	TEXAS
SN74HC125N	0086-0086-6	Quadruple Bus Buffer Gates, 3-State Outputs	PDIP-14	TEXAS
SN74HCT125DR	0086-0289-5	Quadruple Bus Buffer Gates, 3-State Outputs	SOIC-14	TEXAS
SN74HCT125N	0086-0119-2	Quadruple Bus Buffer Gates, 3-State Outputs	PDIP-14	TEXAS
SN74LS125AN	0086-0370-9	Quadruple Bus Buffer, 3-State Outputs	PDIP-14	TEXAS
SN74LVC125APWR	0086-0554-3	Quadruple Bus Buffer Gates, 3-State Outputs	TSSOP-14	TEXAS
SN74HC126N	0086-0213-9	Quadruple Bus Buffer Gates, 3-State Outputs	PDIP-14	TEXAS
SN74LS126	0077-0108-4	Quad 3-State Buffers	PDIP-14	ON SEMI

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• Buffers/Drivers/Transceivers Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
SN74LVC126APWR	0086-0555-6	Quadruple Buffer and Line Drivers, 3-State Outputs	TSSOP-14	TEXAS
SN74HC240DWR	0086-0223-3	Quadruple Buffer and Line Drivers, 3-State Outputs	SOIC-20	TEXAS
SN74HC240N	0086-0254-8	Quadruple Buffer and Line Drivers, 3-State Outputs	PDIP-20	TEXAS
SN74LVC240APWR	0086-0560-5	Octal Buffer /Driver, 3-State Outputs	TSSOP-20	TEXAS
74HCT241	0002-0069-5	High-Speed CMOS Logic Octal Buffer/Line Drivers, Three-State	PDIP-20	TEXAS
74HC244N	0016-0136-5	Octal Buffer/Line Driver;3-State	PDIP-20	NXP
HD74LS244P	0364-0022-7	Octal Buffers/Line Drivers/Line Receivers	PDIP-20	RENESAS
SN74ABT244ADWR	0086-0430-8	Octal Buffer/Drivers, 3 State Outputs	SOIC-20	TEXAS
SN74HC244DWR	0086-0333-2	Octal Buffer and Line Drivers, 3 State Outputs	SOIC-20	TEXAS
SN74HC244DWRG4	0086-0436-6	Octal Buffer and Line Drivers, 3 State Outputs	SOIC-20	TEXAS
SN74HC244N	0086-0184-5	Octal Buffer and Line Drivers, 3 State Outputs	PDIP-20	TEXAS
SN74HCT244DWR	0086-0125-4	Octal Buffer and Line Drivers, 3 State Outputs	SOIC-20	TEXAS
SN74HCT244N	0086-0126-7	Octal Buffer and Line Drivers, 3 State Outputs	PDIP-20	TEXAS
SN74LS244N	0086-0428-8	Octal Buffer and Line Drivers, 3 State Outputs	PDIP-20	TEXAS
SN74LVC244APWR	0086-0512-1	Octal Buffer/Drivers, 3 State Outputs	TSSOP-20	TEXAS
SN74LVTH244APWR	0086-0413-9	3.3V ABT Octal Buffer/Drivers, 3-State Outputs	TSSOP-20	TEXAS
SN74AC245N	0086-0485-3	Octal Bus Transceivers, 3-State Outputs	PDIP-20	TEXAS
SN74HC245DWR	0086-0224-6	Octal Bus Transceivers, 3-State Outputs	SOIC-20	TEXAS
SN74HC245DWRE4	0086-0437-9	Octal Bus Transceivers, 3-State Outputs	SOIC-20	TEXAS
SN74HC245N	0086-0291-5	Octal Bus Transceivers, 3-State Outputs	PDIP-20	TEXAS
SN74HCT245DWR	0086-0128-3	Octal Bus Transceivers, 3-State Outputs	SOIC-20	TEXAS
SN74HCT245N	0086-0130-3	Octal Bus Transceivers, 3-State Outputs	PDIP-20	TEXAS
SN74LS245DWR	0086-0290-2	Octal Bus Transceivers, 3-State Outputs	SOIC-20	TEXAS
SN74LS245N	0086-0239-5	Octal Bus Transceivers, 3-State Outputs	PDIP-20	TEXAS
SN74LVC245APWR	0086-0412-6	Octal Bus Transceivers, 3-State Outputs	TSSOP-20	TEXAS
SN74LVCH245APWR	0086-0432-4	Octal Bus Transceivers, 3-State Outputs	TSSOP-20	TEXAS
SN74HC365NE4	0086-0422-0	Hex Buffer and Line Drivers, 3-State Outputs	PDIP-16	TEXAS
SN74LS367	0077-0111-7	3-State Hex Buffers	PDIP-16	ON SEMI
SN74HC540DWR	0086-0689-5	Octal Buffers and Line Drivers, 3-State Outputs	SOIC-20	TEXAS
SN74HC540N	0086-0179-6	Octal Buffers and Line Drivers, 3-State Outputs	PDIP-20	TEXAS
SN74HC541DWR-L	0086-0538-7	Octal Buffers and Line Drivers, 3-State Outputs	SOIC-20	TEXAS
SN74AHCT541PWR	0086-0681-1	Octal Buffer/Drivers, 3 State Outputs	TSSOP-20	TEXAS
SN74HC541DWR	0086-0352-7	Octal Buffers and Line Drivers, 3-State Outputs	SOIC-20	TEXAS
SN74HC541N	0086-0103-0	Octal Buffers and Line Drivers, 3-State Outputs	PDIP-20	TEXAS
SN74HC541PWR	0086-0600-6	Octal Buffers and Line Drivers, 3-State Outputs	TSSOP-20	TEXAS
SN74LV541APWR	0086-0601-9	Octal Buffer/Drivers, 3 State Outputs	TSSOP-20	TEXAS
SN74LVC541APWR	0086-0565-0	Octal Buffer/Drivers, 3 State Outputs	TSSOP-20	TEXAS
NC7WZ17P6X_NL	0123-0401-9	TinyLogic UHS Dual Buffer with Schmitt Trigger Inputs	SC70-6	FAIRCHILD

Flip Flops/Latches/Register

MFR Part Number	ES Part Number	Description	Package /Case	MFR
CD4013BE	0086-0027-5	CMOS Dual D-Type Flip-Flop	PDIP-14	TEXAS
CD4013BM96	0086-0329-6	CMOS Dual D-Type Flip-Flop	SOIC-14	TEXAS
CD4013BM96E4	0086-0402-2	CMOS Dual D-Type Flip-Flop	SOIC-14	TEXAS
HEF4013BP	0016-0118-3	Dual D-type Flip-Flop	PDIP-14	NXP
HEF4013BT,653	0016-0210-4	Dual D-type Flip-Flop	SOIC-14	NXP
HEF4013BP,652	0016-0236-0	Dual D-type Flip-Flop	PDIP-14	NXP

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• Flip Flops/Latches/Register Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
TC4013BP(F)	0087-0136-8	Dual D-type Flip-Flop	PDIP-14	TOSHIBA
MC14013BCPG	0235-0216-9	Dual Type D Flip-Flop	PDIP-14	ON SEMI
MC14021BDR2G	0235-0360-6	8-Bit Static Shift Register	SOIC-16	ON SEMI
CD4021BE	0086-0031-1	CMOS Static Shift Registers	PDIP-16	TEXAS
CD4027BE	0086-0281-1	CMOS Dual J-K Master-Slave Flip-Flop	PDIP-16	TEXAS
MC14043BCPG	0235-0242-9	Quad R-S Latches	PDIP-16	ON SEMI
CD4076BE	0086-0049-9	CMOS 4-Bit D-Type Registers	PDIP-16	TEXAS
M74HC4094B1R	0083-0173-7	8 BIT SIPO Shift Latch Register (3-State)	PDIP-16	ST MICRO
HCF4094BEY	0083-0174-0	8 Stage Shift and Store Bus Register, 3-State Outputs	PDIP-16	ST MICRO
MC14094BDR2G	0235-0316-4	8-Stage Shift/Store Register with Three-State Outputs	SOIC-16	ON SEMI
CD4094BE	0086-0256-4	CMOS 8- Stage Shift-and Store Bus Register	PDIP-16	TEXAS
CD40175BE	0086-0028-8	CMOS Quad D-Type Flip-Flop	PDIP-16	TEXAS
CD74HC73E	0086-0059-3	Dual J-K Flip-Flop with Reset Negative-Edge Trigger	PDIP-14	TEXAS
CD74HC73EE4	0086-0408-0	Dual J-K Flip-Flop with Reset Negative-Edge Trigger	PDIP-14	TEXAS
HD74LS73AP	0364-0026-9	Dual J-K Flip-Flops (with Clear)	PDIP-14	RENESAS
HD74LS74AP	0364-0011-0	Dual D-type Positive Edge-triggered Flip-Flop	PDIP-14	RENESAS
SN74HC74DR	0086-0106-9	Dual D-Type Positive-Edge Flip-Flops with Clear and Preset	SOIC-14	TEXAS
SN74HC74N	0086-0108-5	Dual D-Type Positive-Edge Flip-Flops with Clear and Preset	PDIP-14	TEXAS
SN74HCT74DR	0086-0175-4	Dual D-Type Positive-Edge Flip-Flops with Clear and Preset	SOIC-14	TEXAS
SN74LS74AN	0086-0303-0	Dual D-Type Positive-Edge Flip-Flops with Preset and Clear	PDIP-14	TEXAS
SN74LVC74APWR	0086-0567-6	Dual D-Type Positive-Edge Flip-Flops with Clear and Preset	TSSOP-14	TEXAS
SN74HC164N	0086-0092-8	8-Bit Parallel-out Serial Shift Registers	PDIP-14	TEXAS
SN74HC164DR	0086-0238-2	8-Bit Parallel-out Serial Shift Registers	SOIC-14	TEXAS
SN74LS164N	0086-0244-4	8-Bit Parallel-out Serial Shift Registers	PDIP-14	TEXAS
74HC164D,653	0016-0323-2	8-bit Serial-in/Parallel-out Shift Register	SOIC-14	NXP
SN74HC165N	0086-0093-1	8-Bit Parallel-load Shift Registers	PDIP-16	TEXAS
SN74HC165DR	0086-0209-3	8-Bit Parallel-load Shift Registers	SOIC-16	TEXAS
SN74LS165AN	0086-0300-1	Parallel-load 8-Bit Shift Registers	PDIP-16	TEXAS
SN74HC166N	0086-0544-9	8-Bit Parallel-load Shift Registers	PDIP-16	TEXAS
CD74HC166M96	0002-0143-4	High-Speed CMOS 8-Bit Parallel-In/Serial-out Shift Register	SOIC-16	TEXAS
SN74HC259N	0086-0354-3	8-Bit Addressable Latches	PDIP-16	TEXAS
74HC273M96	0002-0051-7	High-Speed CMOS Logic Octal D-Type Flip-Flop with Reset	SOIC-20	TEXAS
SN74HC273DWR	0086-0334-5	Octal D-Type Flip-Flops with Clear	SOIC-20	TEXAS
SN74HCT273DWR	0086-0131-6	Octal D-Type Flip-Flops with Clear	SOIC-20	TEXAS
SN74HCT273N	0086-0132-9	Octal D-Type Flip-Flops with Clear	PDIP-20	TEXAS
SN74HC273N	0086-0275-9	Octal D-Type Flip-Flops with Clear	PDIP-20	TEXAS
SN74HC273N-L	0086-0276-2	Octal D-Type Flip-Flops with Clear	PDIP-20	TEXAS
SN74HC273DWRG4	0086-0444-4	Octal D-Type Flip-Flops with Clear	SOIC-20	TEXAS
HD74LS273P	0364-0034-7	Octal D-Type Positive-edge-triggered Flip-Flops	PDIP-20	RENESAS
74HC373N	0016-0137-8	Octal D-Type Transparent Latch; 3-State	PDIP-20	NXP
HD74LS373P	0364-0025-6	Octal D-type Transparent Latches	PDIP-20	RENESAS
SN74LS373N	0086-0278-8	Octal D-Type Transparent Latches, Edge Triggered Flip-Flop	PDIP-20	TEXAS
SN74HC373N	0086-0101-4	Octal Transparent D-Type Latches, 3-State Outputs	PDIP-20	TEXAS
SN74HCT373DWR	0086-0137-4	Octal Transparent D-Type Latches, 3-State Outputs	SOIC-20	TEXAS
SN74HC373DWR	0086-0225-9	Octal Transparent D-Type Latches, 3-State Outputs	SOIC-20	TEXAS
SN74LVC373APWR	0086-0563-4	Octal Transparent D-Type Latches, 3-State Outputs	TSSOP-20	TEXAS
SN74LVC373ADBR	0086-0569-2	Octal Transparent D-Type Latches, 3-State Outputs	SSOP-20	TEXAS
SN74HCT373N	0086-0138-7	Octal Transparent D-Type Latches, 3-State Outputs	PDIP-20	TEXAS
HD74LS374P	0364-0018-1	Octal D-type Edge-triggered Flip-Flops	PDIP-20	RENESAS
SN74LS374N	0086-0279-1	Octal D-Type Transparent Latches Edge Triggered Flip-Flop	PDIP-20	TEXAS

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• Flip Flops/Latches/Register Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
SN74HCT374N	0086-0139-0	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	PDIP-20	TEXAS
SN74HC374N	0086-0250-6	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	PDIP-20	TEXAS
SN74HCT374DWR	0086-0216-8	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	SOIC-20	TEXAS
SN74HC374DWR	0086-0232-4	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	SOIC-20	TEXAS
SN74HCT374DWRE4	0086-0447-3	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	SOIC-20	TEXAS
SN74LVC374APWR	0086-0564-7	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	TSSOP-20	TEXAS
74HC573N	0016-0124-5	Dual D-type Flip-Flop; Dual D-Type Flip-Flop	PDIP-20	NXP
SN74HCT573N	0086-0140-7	Octal Transparent D-Type Latches, 3-State Outputs	PDIP-20	TEXAS
SN74HC573AN	0086-0181-6	Octal Transparent D-Type Latches, 3-State Outputs	PDIP-20	TEXAS
SN74HC573ADWR	0086-0363-4	Octal Transparent D-Type Latches, 3-State Outputs	SOIC-20	TEXAS
SN74LVC573APWR	0086-0566-3	Octal Transparent D-Type Latches, 3-State Outputs	TSSOP-20	TEXAS
74HC574M96	0002-0058-8	Octal D-Type Flip-Flop, 3-State Positive-Edge Triggered	SOIC-20	TEXAS
MM74HCT574N	0123-0200-6	3-State Octal D-Type Flip-Flop	PDIP-20	FAIRCHILD
SN74HC574N	0086-0104-3	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	PDIP-20	TEXAS
SN74HCT574N	0086-0141-0	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	PDIP-20	TEXAS
SN74HCT574N-L	0086-0142-3	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	PDIP-20	TEXAS
SN74HC574DWR	0086-0380-3	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	SOIC-20	TEXAS
SN74LVC574APWR	0086-0535-8	Octal Edge-Triggered D-Type Flip-Flop, 3-State Outputs	TSSOP-20	TEXAS
MC74HC589ANG	0235-0252-3	8-Bit Serial or Parallel-Input/Serial-Output Shift Register	PDIP-16	ON SEMI
MC74HC595ADR2G	0235-0315-1	8-Bit Serial-Input/Serial or Parallel-Output Shift Register	SOIC-16	ON SEMI
M74HC595B1R	0083-0083-6	8-bit Shift Register with Output Latches (3-state)	PDIP-16	ST MICRO
M74HC595RM13TR	0083-0273-2	8-bit Shift Register with Output Latches (3-state)	SOIC-16	ST MICRO
SN74HC595N	0086-0694-4	8-Bit Shift Registers with 3-State Output Registers	PDIP-16	TEXAS
TPIC6B595N	0086-0167-6	Power Logic 8-Bit Shift Register	PDIP-20	TEXAS
TPIC6B595DWRG4	0086-0592-3	Power Logic 8-Bit Shift Register	SOIC-20	TEXAS
SN74LS670	0077-0113-3	4x4 Register File, 3-State Outputs	PDIP-16	ON SEMI

Gates

MFR Part Number	ES Part Number	Description	Package /Case	MFR
CD4001BE	0086-0023-3	CMOS NOR Gates High-Voltage Types (20-Volt Rating)	PDIP-14	TEXAS
CD4011BM96	0086-0287-9	CMOS NAND Gates High-Voltage Types(20-Volt Rating)	SOIC-14	TEXAS
CD4011BE	0086-0025-9	CMOS NOR Gates High-Voltage Types (20-Volt Rating)	PDIP-14	TEXAS
CD4012BE	0086-0026-2	CMOS NAND Gates (20-Volt Rating)	PDIP-14	TEXAS
MC14025BCPG	0235-0291-6	Quad 2-Input NOR Gate	PDIP-14	ON SEMI
CD4030BE	0086-0330-3	CMOS Quad Exclusive-OR Gate	PDIP-14	TEXAS
CD4070BE	0086-0194-9	CMOS Quad Exclusive-OR and Exclusive-NOR Gate	PDIP-14	TEXAS
CD4071BE	0086-0047-3	CMOS OR Gates High-Voltage Types (20-Volt Rating)	PDIP-14	TEXAS
CD4072BE	0086-0240-2	CMOS OR Gates High-Voltage Types (20-Volt Rating)	PDIP-14	TEXAS
CD4075BE	0086-0048-6	CMOS OR Gates High-Voltage Types (20-Volt Rating)	PDIP-14	TEXAS
CD4075BEE4	0086-0393-6	CMOS OR Gates High-Voltage Types(20-Volt Rating)	PDIP-14	TEXAS
CD4077BE	0086-0050-6	CMOS Quad Exclusive-OR and Exclusive-NOR Gates	PDIP-14	TEXAS
HEF4077BP	0016-0033-1	Quad 2-input Exclusive-NOR gate	PDIP-14	NXP
CD4081BE	0086-0196-5	CMOS AND Gates High-Voltage Types (20-Volt Rating)	PDIP-14	TEXAS
CD4081BM96	0086-0313-4	CMOS AND Gates High-Voltage Types (20-Volt Rating)	SOIC-14	TEXAS
CD4081BEE4	0086-0395-2	CMOS AND Gates High-Voltage Types (20-Volt Rating)	PDIP-14	TEXAS
HEF4081BP	0016-0034-4	Quad 2-Input AND Gate	PDIP-14	NXP
MC14081BCPG	0235-0191-1	Quad 2-Input AND Gate	PDIP-14	ON SEMI

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● **Gates** Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
CD4093BE	0086-0257-7	CMOS Quad 2-Input NAND Schmitt Triggers	PDIP-14	TEXAS
CD4093BM96	0086-0297-3	CMOS Quad 2-Input NAND Schmitt Triggers	SOIC-14	TEXAS
HEF4093BP	0016-0065-9	Quad 2-Input NAND Schmitt Trigger	PDIP-14	NXP
HEF4093BP,652	0016-0322-9	Quad 2-Input NAND Schmitt Trigger	PDIP-14	NXP
MC14572UBCPG	0235-0263-0	Hex Gate	PDIP-16	ON SEMI
HD74LS00P	0364-0029-8	Quadruple 2-Input NAND Gates	PDIP-14	RENESAS
SN74HC00N	0086-0079-1	Quadruple 2-Input NAND Gates	PDIP-14	TEXAS
SN74HCT00N	0086-0111-8	Quadruple 2-Input NAND Gates	PDIP-14	TEXAS
SN74HCT00DR	0086-0215-5	Quadruple 2-Input NAND Gates	SOIC-14	TEXAS
SN74HC00DR	0086-0340-7	Quadruple 2-Input NAND Gates	SOIC-14	TEXAS
SN74LVC00APWR	0086-0536-1	Quadruple 2-Input NAND Gates	TSSOP-14	TEXAS
SN74LS00N	0086-0263-9	Quadruple 2-Input Positive-NAND Gates	PDIP-14	TEXAS
HD74LS01P	0364-0019-4	Quadruple 2-Input Positive NAND Gates	PDIP-14	RENESAS
74HC02PW,118	0016-0311-2	Quad 2-Input NOR gate	TSSOP-14	NXP
HD74LS02P	0364-0030-5	Quadruple 2-Input Positive NOR Gates	PDIP-14	RENESAS
SN74HC02N	0086-0080-8	Quadruple 2-Input Positive-NOR Gates	PDIP-14	TEXAS
SN74LS02N	0086-0277-5	Quadruple 2-Input Positive-NOR Gates	PDIP-14	TEXAS
SN74LVC02APWR	0086-0550-1	Quadruple 2-Input Positive-NOR Gates	TSSOP-14	TEXAS
74HC03M96	0002-0038-0	CMOS Quad 2-Input NAND Gate with Open Drain	SOIC-14	TEXAS
SN74HC03N	0086-0386-1	Quadruple 2-Input Positive-NAND Gates, Open-Drain Outputs	PDIP-14	TEXAS
HD74LS08P	0364-0020-1	Quadruple 2-Input Positive AND Gates	PDIP-14	RENESAS
SN74HC08N	0086-0083-7	Quadruple 2-Input Positive-AND Gates	PDIP-14	TEXAS
SN74HCT08DR	0086-0115-0	Quadruple 2-Input Positive-AND Gates	SOIC-14	TEXAS
SN74HCT08DR-L	0086-0116-3	Quadruple 2-Input Positive-AND Gates	SOIC-14	TEXAS
SN74HCT08N	0086-0117-6	Quadruple 2-Input Positive-AND Gates	PDIP-14	TEXAS
SN74LS08N	0086-0221-7	Quadruple 2-Input Positive-AND Gates	PDIP-14	TEXAS
SN74HC08DR	0086-0307-2	Quadruple 2-Input Positive-AND Gates	SOIC-14	TEXAS
SN74LVC08APWR	0086-0552-7	Quadruple 2-Input Positive-AND Gates	TSSOP-14	TEXAS
SN74LVC08ADR	0086-0599-4	Quadruple 2-Input Positive-AND Gates	SOIC-14	TEXAS
SN74LS09N	0086-0146-5	Quadruple 2-Input Positive-AND Gates, Open Collector	PDIP-14	TEXAS
SN74LVC10APWR	0086-0553-0	Triple 3-Input Positive-AND Gates, Open-Collector Outputs	TSSOP-14	TEXAS
HD74LS10P	0364-0033-4	Triple 3-Input Positive NAND Gates	PDIP-14	RENESAS
HD74LS11P	0364-0016-5	Triple 3-Input Positive AND Gates	PDIP-14	RENESAS
SN74HC20N	0086-0189-0	Dual 4-Input Positive-NAND Gates	PDIP-14	TEXAS
CD74HCT27M96	0002-0108-3	High-Speed CMOS Logic Triple 3-Input NOR Gate	SOIC-14	TEXAS
CD74HCT30E	0086-0063-9	High Speed CMOS Logic 8-Input NAND Gate	PDIP-14	TEXAS
HD74LS32P	0364-0017-8	Quadruple 2-Input Positive OR Gates	PDIP-14	RENESAS
SN74HC32DR	0086-0097-3	Quadruple 2-Input Positive-OR Gates	SOIC-14	TEXAS
SN74HC32N	0086-0098-6	Quadruple 2-Input Positive-OR Gates	PDIP-14	TEXAS
SN74HCT32DR	0086-0133-2	Quadruple 2-Input Positive-OR Gates	SOIC-14	TEXAS
SN74HCT32N	0086-0135-8	Quadruple 2-Input Positive-OR Gates	PDIP-14	TEXAS
SN74LS32N	0086-0236-6	Quadruple 2-Input Positive-OR Gates	PDIP-14	TEXAS
SN74F32N	0086-0325-4	Quadruple 2-Input Positive-OR Gates	PDIP-14	TEXAS
SN74HC32DRG4	0086-0508-5	Quadruple 2-Input Positive-OR Gates	SOIC-14	TEXAS
SN74LVC32APWR	0086-0562-1	Quadruple 2-Input Positive-OR Gates	TSSOP-14	TEXAS
CD74HCT86E	0086-0065-5	High Speed CMOS Logic Quad 2-Input Exclusive OR Gate	PDIP-14	TEXAS
SN74HC86N	0086-0110-5	Quadruple 2-Input Exclusive-OR Gates	PDIP-14	TEXAS
SN74LS86AN	0086-0245-7	Quadruple 2-Input Exclusive-OR Gates	PDIP-14	TEXAS
SN74HC86DR	0086-0448-6	Quadruple 2-Input Exclusive-OR Gates	SOIC-14	TEXAS

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• **Gates** Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
SN74LVC86APWR	0086-0568-9	Quadruple 2-Input Exclusive-OR Gates	TSSOP-14	TEXAS
SN74HC132DR	0086-0237-9	Quadruple Positive-NAND Gates, Schmitt-Trigger Inputs	SOIC-14	TEXAS
SN74HC132N	0086-0309-8	Quadruple Positive-NAND Gates, Schmitt-Trigger Inputs	PDIP-14	TEXAS
SN74HC132N-L	0086-0310-5	Quadruple Positive-NAND Gates, Schmitt-Trigger Inputs	PDIP-14	TEXAS

Specialty Logic

MFR Part Number	ES Part Number	Description	Package /Case	MFR
CD4007UBE	0086-0533-2	CMOS Dual Complementary Pair Plus Inverter	PDIP-14	TEXAS
CD4017BE	0086-0176-7	CMOS Counter/Dividers	PDIP-16	TEXAS
HCF4017BEY	0083-0055-0	Decade Counter with 10 Decoded Outputs	PDIP-16	ST MICRO
HCF4017M013TR	0083-0349-3	Decade Counter with 10 Decoded Outputs	SOIC-16	ST MICRO
CD4017BCMX	0123-0348-1	Decade Counter/Divider with 10 Decoded Outputs	SOIC-16	FAIRCHILD
CD4020BE	0086-0030-8	CMOS Ripple-Carry Binary Counter/Dividers	PDIP-16	TEXAS
CD74HCT4020EE4	0086-0516-3	High-Speed CMOS Logic 14-Stage Binary Counter	PDIP-16	TEXAS
CD4024BE	0086-0032-4	CMOS Ripple-Carry Binary Counter/Dividers	PDIP-14	TEXAS
CD4028BE	0086-0034-0	BCD-to-Decimal Decoder	PDIP-16	TEXAS
HEF4040BT	0016-0174-5	12-Stage Binary Ripple Counter	SOIC-16	NXP
CD4040BE	0086-0035-3	CMOS Ripple-Carry Binary Counter/Dividers	PDIP-16	TEXAS
CD4040BM96	0086-0377-0	CMOS Ripple-Carry Binary Counter/Dividers	SOIC-16	TEXAS
CD4046BE	0086-0171-2	CMOS Micropower Phase-Locked Loop	PDIP-16	TEXAS
MC14060BCPG	0235-0177-1	14-Bit Binary Counter and Oscillator	PDIP-16	ON SEMI
HCF4060BEY	0083-0058-9	14-Stage Ripple Carry Binary Counter/Divider and Oscillator	PDIP-16	ST MICRO
CD4060BE	0086-0041-5	14-Stage Ripple Carry Binary Counter/Divider and Oscillator	PDIP-16	TEXAS
CD40192BE	0086-0406-4	CMOS Presettable Up/Down Counters(Dual Clock with Reset)	PDIP-16	TEXAS
CD4510BE	0086-0052-2	CMOS Presettable Up/Down Counters	PDIP-16	TEXAS
CD4511BE	0086-0053-5	CMOS BCD-to-7-Segment Latch Decoder Drivers	PDIP-16	TEXAS
CD4516BE	0086-0198-1	CMOS Presettable Up/Down Counters	PDIP-16	TEXAS
CD4518BE	0086-0199-4	CMOS Dual Up-Counters	PDIP-16	TEXAS
CD4518BE-L	0086-0200-6	CMOS Dual Up-Counters	PDIP-16	TEXAS
MC14518BCPG	0235-0221-8	Dual Up Counters	PDIP-16	ON SEMI
CD4520BE	0086-0201-9	CMOS Dual Up-Counters	PDIP-16	TEXAS
HEF4528BP,652	0016-0285-7	Dual Monostable Multivibrator	PDIP-16	NXP
HEF4528BP	0016-0036-0	Dual Monostable Multivibrator	PDIP-16	NXP
HEF4538BP,652	0016-0328-7	Dual Precision Monostable Multivibrator	PDIP-16	NXP
CD4541BE	0086-0055-1	CMOS Programmable Timer, High Voltage Types (20V Rating)	PDIP-14	TEXAS
HEF4541BP	0016-0133-6	Programmable Timer	PDIP-14	NXP
HEF4541BP,652	0016-0265-9	Programmable Timer	PDIP-14	NXP
CD4541BM96	0086-0304-3	Programmable Timer	SOIC-14	TEXAS
CD4543BE	0086-0056-4	BCD-to-7Segment Latch/Decoder/Driver For LCD	PDIP-16	TEXAS
SN74HC42N	0086-0362-1	4-Line to 10-Line Decoders(1 of 10)	PDIP-16	TEXAS
SN74LS47N	0086-0235-3	BCD-to-Seven-Segment Decoder/Driver	PDIP-16	TEXAS
HD74LS48P	0364-0027-2	BCD-to-Seven-Segment Decoder/Driver(Internal Pull-up)	PDIP-16	RENESAS
CD74HC85M96	0002-0146-3	High-Speed CMOS Logic 4-Bit Magnitude Comparator	SOIC-16	TEXAS
HD74LS90P	0364-0012-3	Decade Counters	PDIP-14	RENESAS
SN74LS93N	0086-0472-0	Decade, Divide-by-Twelve and Binary Counters	PDIP-14	TEXAS
74VHC123AMX	0123-0588-7	Dual Retriggerable Monostable Multivibrator	SOIC-16	FAIRCHILD
CD74HC123E	0086-0057-7	High-Speed Dual Retriggerable Monostable Multivibrators	PDIP-16	TEXAS

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• Specialty Logic Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
SN74LS123N	0086-0248-6	Retriggerable Monostable Multivibrators	PDIP-16	TEXAS
SN74HC138N	0086-0088-2	3-Line to 8-Line Decoders/Demultiplexers	PDIP-16	TEXAS
SN74HCT138N	0086-0120-9	3-Line to 8-Line Decoders/Demultiplexers	PDIP-16	TEXAS
SN74HCT138DR	0086-0182-9	3-Line to 8-Line Decoders/Demultiplexers	SOIC-16	TEXAS
SN74HCT138DR-L	0086-0183-2	3-Line to 8-Line Decoders/Demultiplexers	SOIC-16	TEXAS
SN74HC138DR	0086-0260-0	3-Line to 8-Line Decoders/Demultiplexers	SOIC-16	TEXAS
SN74LVC138APWR	0086-0537-4	3-Line to 8-Line Decoders/Demultiplexers	TSSOP-16	TEXAS
HD74LS138P	0364-0008-7	3-Line to 8-Line Decoders/Demultiplexers	PDIP-16	RENESAS
SN74LS138N	0086-0338-7	3-Line to 8-Line Decoders/Demultiplexers	PDIP-16	TEXAS
74HC138D,653	0016-0319-6	3-to-8 Line Decoder/Demultiplexer; Inverting	SOIC-16	NXP
SN74LVC139APWR	0086-0557-2	Dual 2-Line to 4-Line Decoder/Demultiplexers	TSSOP-16	TEXAS
SN74HCT139N	0086-0122-5	Dual 2-Line to 4-Line Decoder/Demultiplexers	PDIP-16	TEXAS
HD74LS139P	0364-0043-8	Dual 2-Line to 4-Line Decoder/Demultiplexers	PDIP-16	RENESAS
SN74HC139N	0086-0089-5	Dual 2-Line to 4-Line Decoder/Demultiplexers	PDIP-16	TEXAS
SN74LS139N	0086-0262-6	Dual 2-Line to 4-Line Decoder/Demultiplexers	PDIP-16	TEXAS
SN74HC139DR	0086-0269-7	Dual 2-Line to 4-Line Decoder/Demultiplexers	SOIC-16	TEXAS
SN74LS145N	0086-0222-0	BCD-to-Decimal Decoder/Drivers	PDIP-16	TEXAS
SN74LS145DR	0086-0242-8	BCD-to-Decimal Decoder/Drivers	SOIC-16	TEXAS
HD74LS145P	0364-0013-6	BCD-to-Decimal Decoder/Drivers	PDIP-16	RENESAS
SN74LS148N	0086-0228-8	10-Line to 4-Line and 8-Line to 3-Line Priority Encoders	PDIP-16	TEXAS
SN74HC148N	0086-0387-4	8-Line to 3-Line Priority Encoders	PDIP-16	TEXAS
HD74LS151P	0364-0044-1	1-of-8 Data Selector/Multiplexer(with Strobe)	PDIP-16	RENESAS
SN74LS151N	0086-0190-7	Data Selectors/Multiplexers, 3-State Outputs	PDIP-16	TEXAS
SN74HC153N-L	0086-0247-3	Dual 4-Line to 1-Line Data Selectors/Multiplexers	PDIP-16	TEXAS
CD74HCT154M96	0086-0328-3	High-Speed CMOS Logic 4- to 16-Line Decoder/Demultiplexer	SOIC-24	TEXAS
CD74HC154M96-L	0086-0273-3	High-Speed CMOS Logic 4-to 16- Line Decoder/Demultiplexer	SOIC-24	TEXAS
CD74HC154EN	0086-0385-8	High-Speed CMOS Logic 4-to 16- Line Decoder/Demultiplexer	SDIP-24	TEXAS
CD74HC154EE4	0086-0503-0	High-Speed CMOS Logic 4-to 16- Line Decoder/Demultiplexer	PDIP-24	TEXAS
CD74HC154ENE4	0086-0504-3	High-Speed CMOS Logic 4-to 16- Line Decoder/Demultiplexer	PDIP-24-0.3	TEXAS
CD74HC154M96G4	0086-0505-6	High-Speed CMOS Logic 4-to 16- Line Decoder/Demultiplexer	SOIC-24	TEXAS
SN74LS155AN	0086-0371-2	Dual 2-Line to 4-Line Decodes/Demultiplexers	PDIP-16	TEXAS
SN74LS156N	0086-0285-3	Dual 2-Line to 4-Line Decodes/Demultiplexers	PDIP-16	TEXAS
SN74HCT157DR	0086-0234-0	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	SOIC-16	TEXAS
SN74HC157N	0086-0265-5	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	PDIP-16	TEXAS
SN74HC157N-L	0086-0266-8	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	PDIP-16	TEXAS
SN74HC157DR	0086-0467-1	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	SOIC-16	TEXAS
SN74LVC157APWR	0086-0559-8	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	TSSOP-16	TEXAS
MM74HC157MX	0123-0336-1	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	SOIC-16	FAIRCHILD
HD74LS157P	0364-0010-7	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	PDIP-16	RENESAS
SN74HC163DRE4	0086-0419-7	4 Bit Synchronous Binary Counters	SOIC-16	TEXAS
CD74HCT163E	0086-0061-3	High Speed CMOS Logic Presettable Counters	PDIP-16	TEXAS
CD74HC238E	0086-0349-4	3-to 8-line Decoder/Demultiplexer Inverting and Noninverting	PDIP-16	TEXAS
SN74HC251N	0086-0311-8	Data Selectors/Multiplexers, 3-State Outputs	PDIP-16	TEXAS
74LVC257ADB	0016-0195-6	Quad 2-Input Multiplexer with 5V Tolerant Inputs/Outputs	SSOP-16	NXP
SN74HC257N	0086-0096-0	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	PDIP-16	TEXAS
SN74LVC257APWR	0086-0561-8	Quadruple 2-Line to 1-Line Data Selectors/Multiplexers	TSSOP-16	TEXAS
SN74LS390	0077-0112-0	Dual Decade Counter; Dual 4-Stage Binary Counter	PDIP-16	ON SEMI
SN74HC393N	0086-0283-7	Dual 4-Bit Binary Counters	PDIP-14	TEXAS
SN74HC393DRG4	0086-0517-6	DUAL 4-BIT BINARY COUNTERS	SOIC-14	TEXAS
CD74HCT393E	0086-0064-2	High Speed CMOS Logic Dual 4-Stage Binary Counter	PDIP-14	TEXAS

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Specialty Logic Continued...

MFR Part Number	ES Part Number	Description	Package /Case	MFR
CD74HCT393EE4	0086-0409-3	High Speed CMOS Logic Dual 4-Stage Binary Counter	PDIP-14	TEXAS
SN74LS624NE4	0086-0524-1	Voltage Controlled Oscillators	PDIP-14	TEXAS
SN74HC688N	0086-0261-3	8-bit identity Comparators	PDIP-20	TEXAS
MM74C922N	0123-0163-4	16-Key Encoder 20-Key Encoder	PDIP-18	FAIRCHILD
74HCT4020N,652	0016-0260-4	14-Stage Binary Ripple Counter	PDIP-16	NXP
SN74HC4040NE4	0086-0407-7	12-bit Asynchronous Binary Counters	PDIP-16	TEXAS
74HCT4046AN,112	0016-0232-8	Phase-locked-loop with VCO	PDIP-16	NXP
SN74HC4060N	0086-0286-6	14 Stage Binary Counter with Oscillator	PDIP-16	TEXAS
CD74HC4060M96	0086-0361-8	14 Stage Binary Counter with Oscillator	SOIC-16	TEXAS
LM567CN/NOPB	0078-0235-9	Tone Decoder	PDIP-8	TEXAS
LM567CMX/NOPB	0078-0250-2	Tone Decoder	SOIC-8	TEXAS

Voltage Level Translation

MFR Part Number	ES Part Number	Description	Package /Case	MFR
NVT2008PW,118	0016-0346-9	Bidirectional Voltage-level Translator, Open-drain, Push-pull	TSSOP-20	NXP
MC14504BCPG	0235-0268-5	Hex Level Shifter for TTL to CMOS or CMOS to CMOS	PDIP-16	ON SEMI

EEPROM

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
24LC01B/P	0035-0001-2	1K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC01BT-I/SN	0035-0665-8	1K	400kHz	I ² C	SOIC-8	MICROCHIP
AT24C01B-PU	0065-0234-7	1K	400kHz ,1MHz	I ² C	PDIP-8	ATMEL
BR24G01FJ-3GTE2	0176-0320-1	1K	400kHz	I ² C	SOP-8	ROHM
BR24G01FVT-3GE2	0176-0322-6	1K	400kHz	I ² C	TSSOP-B8	ROHM
24AA025E48T-I/SN	0035-1513-3	2K	400kHz	I ² C	SOIC-8	MICROCHIP
24LC02B-I/P	0035-0773-1	2K	400kHz	I ² C	PDIP-8	MICROCHIP
BR24G02FJ-3GTE2	0176-0323-9	2K	400kHz	I ² C	SOP-8	ROHM
BR24G02FVT-3GE2	0176-0324-2	2K	400kHz	I ² C	TSSOP-B8	ROHM
24LC04B/P	0035-0004-1	4K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC04B-I/SN	0035-1368-8	4K	400kHz	I ² C	SOIC-8	MICROCHIP
24LC04BT-I/SN	0035-1369-1	4K	400kHz	I ² C	SOIC-8	MICROCHIP
AT24C04B-PU	0065-0270-1	4K	400kHz	I ² C	PDIP-8	ATMEL
AT24C04C-PUM	0065-0325-1	4K	400kHz ,1MHz	I ² C	PDIP-8	ATMEL
BR24G04FJ-3GTE2	0176-0325-5	4K	400kHz	I ² C	SOP-8	ROHM
BR24G04FVT-3GE2	0176-0321-3	4K	400kHz	I ² C	TSSOP-B8	ROHM
24LC08B-I/P	0035-0357-5	8K	400kHz	I ² C	PDIP-8	MICROCHIP
BR24G08FJ-3GTE2	0176-0326-8	8K	400kHz	I ² C	SOP-8	ROHM
BR24G08FVT-3GE2	0176-0327-1	8K	400kHz	I ² C	TSSOP-B8	ROHM
24LC16B/P	0035-0007-0	16K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC16B/SN	0035-0008-3	16K	400kHz	I ² C	SOIC-8	MICROCHIP
24LC16B-I/P	0035-1003-4	16K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC16BT/SN	0035-0977-3	16K	400kHz	I ² C	SOIC-8	MICROCHIP
24LC16BT-I/SN	0035-1282-3	16K	400kHz	I ² C	SOIC-8	MICROCHIP
AT24C16B-PU	0065-0283-4	16K	400kHz	I ² C	PDIP-8	ATMEL
AT24C16C-PUM	0065-0317-3	16K	400kHz ,1MHz	I ² C	PDIP-8	ATMEL
BR24G16FJ-3GTE2	0176-0328-4	16K	400kHz	I ² C	SOP-8	ROHM
BR24G16FVT-3GE2	0176-0329-7	16K	400kHz	I ² C	TSSOP-B8	ROHM
N24LC16B/ST	0035-0114-0	16K	100kHz ,400kHz	I ² C	TSSOP-8	MICROCHIP
24LC32A/P	0035-0010-3	32K	400kHz	I ² C	PDIP-8	MICROCHIP
BR24G32FJ-3GTE2	0176-0330-4	32K	400kHz	I ² C	SOP-8	ROHM
BR24G32FVT-3GE2	0176-0331-7	32K	400kHz	I ² C	TSSOP-B8	ROHM
24LC64-I/P	0035-0285-6	64K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC64-I/SM	0035-0681-4	64K	400kHz	I ² C	SOIC-8	MICROCHIP
AT24C64A-10PU-2.7	0065-0206-1	64K	400kHz	I ² C	PDIP-8	ATMEL
AT24C64CN-SH-T	0065-0288-9	64K	400kHz	I ² C	SOIC-8	ATMEL
AT24C64D-SSHM-T	0065-0326-4	64K	400kHz	I ² C	SOIC-8	ATMEL
BR24G64FJ-3GTE2	0176-0332-1	64K	400kHz	I ² C	SOP-8	ROHM
BR24G64FVT-3GE2	0176-0333-3	64K	400kHz	I ² C	TSSOP-B8	ROHM
24LC128-I/P	0035-0006-7	128K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC128-I/SM	0035-1042-7	128K	400kHz	I ² C	SOIC-8	MICROCHIP
BR24G128FJ-3GTE2	0176-0334-6	128K	400kHz	I ² C	SOP-8	ROHM
BR24G128FVT-3GE2	0176-0335-9	128K	400kHz	I ² C	TSSOP-B8	ROHM
24LC256-I/P	0035-0009-6	256K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC256-I/SMG	0035-0679-4	256K	400kHz	I ² C	SOIC-8	MICROCHIP
24LC256T-I/SM	0035-0959-1	256K	400kHz	I ² C	SOIC-8	MICROCHIP
BR24G256FJ-3GTE2	0176-0336-2	256K	400kHz	I ² C	SOP-8	ROHM
BR24G256FVT-3GE2	0176-0337-5	256K	400kHz	I ² C	TSSOP-B8	ROHM
24LC512-I/P	0035-0313-7	512K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC512-I/SM	0035-0648-9	512K	400kHz	I ² C	SOIC-8	MICROCHIP

Continued...

• EEPROM Continued...

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
24LC512T-I/SM	0035-0918-2	512K	400kHz	I ² C	SOIC-8	MICROCHIP
24LC512T-I/SM-T	0035-1214-1	512K	400kHz	I ² C	SOIC-8	MICROCHIP
BR24G512FJ-3AGTE2	0176-0338-8	512K	1MHz	I ² C	SOP-8	ROHM
BR24G512FVT-3AGE2	0176-0339-1	512K	1MHz	I ² C	TSSOP-B8	ROHM
24LC515-I/P	0035-0011-6	512K	400kHz	I ² C	PDIP-8	MICROCHIP
24LC515-I/SM	0035-0012-9	512K	400kHz	I ² C	SOIC-8	MICROCHIP
AT24C1024B-PU25	0065-0253-2	1M	1MHz	I ² C	PDIP-8	ATMEL
BR24G1M-3A	0176-0533-3	1M	1MHz	I ² C	PDIP-8	ROHM
BR24G1MFJ-3AGTE2	0176-0340-8	1M	1MHz	I ² C	SOP-8	ROHM
24AA1025-I/P	0035-0956-2	1M	100kHz ,400kHz	I ² C	PDIP-8	MICROCHIP
24FC1025-I/P	0035-0943-9	1M	1MHz	I ² C	PDIP-8	MICROCHIP
24LC1025-I/P	0035-0939-3	1M	400kHz	I ² C	PDIP-8	MICROCHIP
24LC1025-I/P-T	0035-1065-4	1M	400kHz	I ² C	PDIP-8	MICROCHIP
24LC1025T-I/SM	0035-0940-0	1M	400kHz	I ² C	SOIC-8	MICROCHIP
25AA010AT-I/OT	0035-1639-4	1K	10MHz	SPI	SOT-23-6	MICROCHIP
25AA02E48T-I/OT	0035-1640-1	2K	10MHz	SPI	SOT-23-6	MICROCHIP
25LC256-I/SN	0035-0877-8	256K	10MHz	SPI	SOIC-8	MICROCHIP
25LC256T-I/SN	0035-1025-8	256K	10MHz	SPI	SOIC-8	MICROCHIP
AT25256-10PI-1.8	0065-0098-3	256K	500kHz	SPI	PDIP-8	ATMEL
25LC640T-I/SN	0035-0372-8	64K	2MHz	SPI	SOIC-8	MICROCHIP
25LC640T-I/SNG	0035-0653-8	64K	2MHz	SPI	SOIC-8	MICROCHIP
25LC1024-I/SM	0035-0876-5	1M	20MHz	SPI	SOIC-8	MICROCHIP
93AA46AT-I/MS	0035-1378-2	1K	1MHz ,2MHz	SPI	MSOP-8	MICROCHIP
93C46B/P	0035-0013-2	1K	2MHz	SPI	PDIP-8	MICROCHIP
93C46B-I/P	0035-0768-2	1K	2MHz	SPI	PDIP-8	MICROCHIP
93LC46AT-I/SN	0035-0256-7	1K	2MHz	SPI	SOIC-8	MICROCHIP
93LC46AT-I/SN-L	0035-0257-0	1K	2MHz	SPI	SOIC-8	MICROCHIP
93LC46C-I/SN	0035-1183-1	1K	3MHz	SPI	SOIC-8	MICROCHIP
AT93C46DN-SH-T	0065-0281-8	1K	1MHz ,2MHz	SPI	SOIC-8	ATMEL
93LC56B/P	0035-0017-4	2K	1MHz ,2MHz	SPI	PDIP-8	MICROCHIP
AT93C56A-10PU-2.7	0065-0199-1	2K	1MHz ,2MHz	SPI	PDIP-8	ATMEL
BR93G56FJ-3GTE2	0176-0341-1	2K	1MHz ,2MHz ,3MHz	SPI	SOP-8	ROHM
BR93G56FVT-3GE2	0176-0342-4	2K	1MHz ,2MHz ,3MHz	SPI	TSSOP-B8	ROHM
93LC66B-I/P	0035-0770-2	4K	2MHz	SPI	PDIP-8	MICROCHIP
AT93C66A-10SU-2.7	0065-0271-4	4K	2MHz	SPI	SOIC-8	ATMEL
BR93G66FVT-3GE2	0176-0343-7	4K	1MHz ,2MHz ,3MHz	SPI	TSSOP-B8	ROHM
93LC76C-I/SN	0035-1719-1	8K	3MHz	SPI	SOIC-8	MICROCHIP
BR93G76FJ-3GTE2	0176-0344-1	8K	1MHz ,2MHz ,3MHz	SPI	SOP-8	ROHM
BR93G76FVT-3GE2	0176-0345-3	8K	1MHz ,2MHz ,3MHz	SPI	TSSOP-B8	ROHM
BR93G86FJ-3GTE2	0176-0346-6	16K	1MHz ,2MHz ,3MHz	SPI	SOP-8	ROHM
BR93G86FVT-3GE2	0176-0347-9	16K	1MHz ,2MHz ,3MHz	SPI	TSSOP-B8	ROHM
W27C512-45Z	0088-0013-3	512K	45ns	Parallel	PDIP-28W	WINBOND
AT28C64B-15PU	0065-0175-1	64K	150ns	Parallel	PDIP-28W	ATMEL
AT28C256-15JC	0065-0015-2	256K	150ns	Parallel	PLCC-32	ATMEL
AT28C256-15PU	0065-0228-5	256K	150ns	Parallel	PDIP-28	ATMEL

Flash Memory

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
AT29C040A-90PI	0065-0069-4	4M	90ns	Parallel	PDIP-32	ATMEL
AT45DB041D-SU	0065-0245-4	4M	66MHz	SPI	SOIC-8	ATMEL
AT45DB081D-SU	0065-0254-5	8M	66MHz	SPI	SOIC-8	ATMEL
AT45DB161D-SU	0065-0269-4	16M	66MHz	SPI	SOIC-8	ATMEL
AT45DB161D-SU-2.5	0065-0248-3	16M	66MHz	SPI	SOIC-8	ATMEL
K9F4008W0A-TCB0	0082-0030-0	4M	120ns	Parallel	TSOP-44	SAMSUNG
M25P20-VMN6TPB	0083-0417-0	2M	50MHz	SPI	SOIC-8	ST MICRO
M25P80-VMW6	0083-0469-6	8M	75MHz	SPI	SOIC-8	ST MICRO
M25P80-VMW6TG	0075-0010-5	8M	75MHz	SPI	SOIC-8	MICRON
M29W040B55K1	0083-0294-3	4M	55ns	Parallel	PLCC-32	ST MICRO
MBM29F033C-90PTN	0445-0013-6	32M	90ns	Parallel	TSOP-40	FUJITSU
MBM29F160TE-90TN	0445-0018-1	16M	90ns	Parallel	TSOP-48	FUJITSU
MBM29F800BA-70PF	0445-0019-4	8M	70ns	Parallel	SOP-44	FUJITSU
S29AL004D70TFI020	0001-0220-5	4M	70ns	SPI	TSOP-48	SPANSION
S29AL008D90TFI020	0001-0223-4	8M	90ns	Parallel	TSOP-48	SPANSION
S29AL032D70TFI000#	0001-0227-6	32M	70ns	Parallel	TSOP-40	SPANSION
S29GL128N10TFI020	0001-0233-8	128M	90ns	Parallel	TSOP-56	SPANSION
S29GL256P10TFI020	0001-0161-9	256M	100ns	Parallel	TSOP-56	SPANSION
SST25VF016B-50-4C-S2AF	0035-1642-7	16M	50MHz	SPI	SOIC-8	MICROCHIP
SST25VF032B-80-4I-S2AF	0035-1641-4	32M	80MHz	SPI	SOIC-8	MICROCHIP
SST25VF040B-50-4I-SAE	0035-1767-5	4M	50MHz	SPI	SOIC-8	MICROCHIP
SST25VF040B-80-4I-SAE	0035-1379-5	4M	80MHz	SPI	SOIC-8	MICROCHIP
SST26VF032B-104I/SM	0035-1769-1	32M	104MHz	SPI,SQI	SOIJ-8	MICROCHIP
W25Q16DVSSIG	0088-0019-1	16M	104MHz	SPI	SOIC-8	WINBOND

FRAM

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
MB85RS16PNF-G-JNERE1	0445-0034-7	16K	20MHz	SPI	SOP-8	FUJITSU
MB85RS256APNF-G-JNE1	0445-0035-1	256K	15MHz	SPI	SOP-8	FUJITSU
MB85RS256PNF-G-JNE1	0445-0036-3	256K	15MHz	SPI	SOP-8	FUJITSU
MB85R256HPF-G-BNDAE1	0445-0033-4	256K	70ns	Parallel	SOP-28	FUJITSU
FM24W256-G	0211-0012-3	256K	1MHz	I ² C	SOIC-8	CYPRESS

NV RAM

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
DS1225Y-150+	0067-0074-7	64K	150ns	Parallel	EPDIP-28	DALLAS
DS1230Y-100+	0067-0067-2	256K	100ns	Parallel	EPDIP-28	DALLAS
DS1245Y-70+	0067-0071-8	1M	70ns	Parallel	EPDIP-32	DALLAS
DS1245Y-100+	0067-0077-6	1M	100ns	Parallel	EPDIP-32	DALLAS

SD RAM

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
K4S281632K-UC60T00	0082-0148-3	128M	166MHz	Parallel	TSOP-54	SAMSUNG
MT48LC16M16A2TG-75:D TR	0075-0005-6	256M	133MHz	Parallel	TSOP-54	MICRON
H57V2562GTR-60C	0292-0007-5	256M	166MHz	LVTTL	TSOP-54	HYNIX
K4H511638D-UCB3	0082-0144-1	512M	166MHz	Parallel	TSOP2-66	SAMSUNG
HY5PS1G1631CFP-Y5	0292-0009-1	1G	333MHz	SSTL_18	FBGA	HYNIX

DYNAMIC RAM

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
UPD4216405LA-50	0079-0012-9	16M	50ns	Parallel	SOJ-26	NEC

STATIC RAM

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
IDT7130SA55PF	0442-0005-7	8K	55ns	Parallel	TQFP-64	IDT
IS61C64AH-20N	0072-0002-6	64K	20ns	Parallel	PDIP-28	ISSI
UT6264CSC-70LL	0210-0007-7	64K	70ns	Parallel	SOP-28	UTRON
UT6264CPCL-70LL	0210-0016-8	64K	70ns	Parallel	PDIP-28W	UTRON
UT62256CSCL-70LL	0210-0018-4	256K	70ns	Parallel	SOP-28	UTRON
CY62256NLL-70PXC	0211-0006-1	256K	70ns	Parallel	PDIP-28W	CYPRESS
UT611024JC-15	0210-0010-0	1M	15ns	Parallel	SOJ-32	UTRON
UT621024SCL-70LL	0210-0014-2	1M	70ns	Parallel	SOP-32	UTRON
UT621024PCL-70LL	0210-0015-5	1M	70ns	Parallel	PDIP-32	UTRON
LP621024D-70LLF	0344-0002-3	1M	70ns	Parallel	PDIP-32	AMIC
IS66WV51216DBLL-55TLI	0072-0007-1	8M	55ns	Parallel	TSOP-44	ISSI
23K640-I/P	0035-1107-1	64K	20MHz	SPI	PDIP-8	MICROCHIP
23K640-I/SN	0035-1108-4	64K	20MHz	SPI	SOIC-8	MICROCHIP
23K256-I/P	0035-1105-5	256K	20MHz	SPI	PDIP-8	MICROCHIP
23K256-I/SN	0035-1106-8	256K	20MHz	SPI	SOIC-8	MICROCHIP

UV EEPROM

MFR Part Number	ES Part Number	Memory Size	Speed	Interface	Package/Case	MFR
M27C256B-12F1	0083-0075-8	256K	120ns	Parallel	FDIP-28	ST MICRO
M27C512-12F1	0083-0078-7	512K	120ns	Parallel	FDIP-28	ST MICRO
M27C2001-10F1	0083-0073-2	2M	100ns	Parallel	FDIP-32	ST MICRO
M27C2001-12F1	0083-0074-5	2M	120ns	Parallel	FDIP-32	ST MICRO
M27C4002-10F1	0083-0151-3	4M	100ns	Parallel	FDIP-40	ST MICRO
M27C801-100F1	0083-0079-0	8M	100ns	Parallel	FDIP-32	ST MICRO
M27C160-100F1	0083-0189-9	16M	100ns	Parallel	FDIP-42	ST MICRO

ROM, OTP EPROM

MFR Part Number	ES Part Number	Description	Package/Case	MFR
DS2401Z	0067-0043-2	Silicon Serial Number	SOT-223-3	DALLAS
AT27C512R-70JC	0065-0013-6	512K (64K x 8) OTP, Read-only Memory	PLCC-32	ATMEL
AT27C020-55PU	0065-0183-9	2Mb (256K x 8) OTP, Read-only Memory	PDIP-32	ATMEL

FPGA Platform Flash, OTP Configuration PROMs

MFR Part Number	ES Part Number	Description	Package/Case	MFR
XC17S50APD8C	0269-0002-5	Spartan-II/Spartan-IIE OTP Configuration PROMs	PDIP-8	XILINX
XCF02SVOG20C	0269-0025-2	Platform Flash ISP Configuration PROMs	TSSOP-20	XILINX
XCF04SVOG20C	0269-0026-5	Platform Flash ISP Configuration PROMs	TSSOP-20	XILINX

Motor and Fan Control, Driver

MFR Part Number	ES Part Number	Current - Peak Output	Description	Package/Case	MFR
L293D	0083-0166-2	1.2A	Push-Pull Four Channel Driver with Diodes	PDIP-16	ST MICRO
L293DD	0083-0516-2	1.2A	Push-Pull Four Channel Driver with Diodes	SOIC-20	ST MICRO
L293DD013TR	0083-0537-7	1.2A	Push-Pull Four Channel Driver with Diodes	SOIC-20	ST MICRO
L298N	0083-0062-5	2A	Dual Full-Bridge Driver	MULTIWATT-15	ST MICRO
L298P	0083-0330-2	2A	Dual Full-Bridge Driver	POWERSO20	ST MICRO
L297/1	0083-0327-9	2A	Stepper Motor Controllers	PDIP-20	ST MICRO
LB1836ML-TLM-E	0168-0023-0	1A	Low-Voltage Bidirectional Motor Driver	MFP-14	SANYO
MC3PHACVPE	0369-0002-4	-	MC3PHAC Intelligent Motor Controller	PDIP-28	FREESCALE
MCP8024-H/PT	0035-1672-9	0.5A	3-Phase BLDC Gate Driver, Power Module	TQFP-48	MICROCHIP
MCP8025-115E/PT	0035-1744-8	0.5A	3-Phase BLDC Gate Driver, Power Module	TQFP-48	MICROCHIP
UDN2916B-T	0133-0041-3	1A	Dual Full-Bridge PWM Motor Driver	PDIP-24	ALLEGRO
UDN2916LB	0133-0009-1	1A	Dual Full-Bridge PWM Motor Driver	SOIC-24	ALLEGRO
UDN2916LBTR-T	0133-0046-8	1A	Dual Full-Bridge PWM Motor Driver	SOIC-24	ALLEGRO

Optoisolator

• General Purpose Optoisolators

MFR Part Number	ES Part Number	Isolation Voltage (RMS)	Output Voltage	CTRmin	t(ON)/ t(OFF)	MFR
4N25-LITEON	0013-0012-9	1500Vrms	30V	20%	3us/3us	LITE-ON
4N26-LITEON	0087-0260-4	2500Vrms	Adjustable	10%	0.3us/1us	TOSHIBA
4N28-FSC	0123-0634-1	2500Vrms	7V	-	50ns/12ns	FAIRCHILD
4N28M	0087-0126-4	2500Vrms	15V	20%	0.3us/0.2us	TOSHIBA
4N33M	0123-0270-4	2500Vrms	18V	400%	12us/4us	FAIRCHILD
4N35-LITEON	0123-0012-6	2500Vrms	20V	7%	0.5us/0.45us	FAIRCHILD
4N35M	0123-0618-4	2500Vrms	20V	7%	0.5us/0.45us	FAIRCHILD
4N38M	0123-0612-6	2500Vrms	20V	19%	0.3us/0.45us	FAIRCHILD
6N135	0013-0011-6	2500Vrms	30V	20%	3us/3us	LITE-ON
6N135M	0123-0555-6	2500Vrms	30V	50%	7.5us/5.7us	FAIRCHILD
6N136M	0123-0587-4	2500Vrms	30V	100%	7.5us/5.7us	FAIRCHILD
6N137M	0087-0165-7	2500Vrms	55V	100%	2us/3us	TOSHIBA
6N139	0013-0010-3	3550Vrms	30V	100%	3us/3us	LITE-ON
CNY172VM	0275-0007-0	3750Vrms	5V	-	24ns/10ns	AGILENT
CNY173M	0084-0034-6	3750Vrms	80V	50%	4us/3us	SHARP
EL817(C)-F	0084-0051-5	3750Vrms	80V	50%	4us/3us	SHARP
FOD817C300	0087-0213-6	3750Vrms	80V	100%	3us/3us	TOSHIBA
H11D1M	0087-0227-2	3750Vrms	80V	100%	3us/3us	TOSHIBA
H11D1SM	0087-0226-9	3750Vrms	80V	100%	7us/7us	TOSHIBA
H11L1M	0087-0232-1	3750Vrms	80V	150%	3us/3us	TOSHIBA
H11L1SR2VM	0087-0261-6	5000Vrms	Adjustable	-	0.15us/0.35us	TOSHIBA
HCPL-2630-000E	0123-0651-9	5000Vrms	7V	-	30ns/10ns	FAIRCHILD
HCPL2630SD	0013-0013-2	5000Vrms	35V	50%	4us/3us	LITE-ON
LTV-817B	0013-0006-7	5000Vrms	35V	50%	4us/3us	LITE-ON
LTV817C	0013-0007-0	5000Vrms	35V	50%	4us/3us	LITE-ON
LTV827	0084-0003-1	5000Vrms	35V	80%	4us/3us	SHARP
LTV847	0013-0107-5	5000Vrms	35V	130%	4us/3us	LITE-ON
MOC212R2M	0084-0004-4	5000Vrms	35V	130%	4us/3us	SHARP
MOC213R2M	0242-0006-2	5000Vrms	35V	200%	-	EVERLIGHT
PC357N1J000F	0084-0005-7	5000Vrms	35V	200%	4us/3us	SHARP
PC357N3J000F	0087-0197-5	5000Vrms	55V	100%	2us/3us	TOSHIBA
PC817A	0087-0219-4	5000Vrms	55V	100%	2us/3us	TOSHIBA
PC817B	0135-0059-5	5000Vrms	70V	50%	3us/4.7us	VISHAY
PC817C	0123-0519-2	5000Vrms	70V	200%	4us/3us	FAIRCHILD
PC817X3NIP0F	0084-0033-3	5000Vrms	80V	-	4us/3us	SHARP
PC817X3NSZW	0084-0054-4	5000Vrms	80V	50%	4us/3us	SHARP
TCLT1000	0087-0248-3	5000Vrms	80V	100%	3us/3us	TOSHIBA
TLP181(GR-TPL,F)	0123-0279-1	5300Vrms	30V	10%	2us/2us	FAIRCHILD
TLP185(GB-TPL,SE(T	0123-0524-1	5300Vrms	30V	10%	2us/2us	FAIRCHILD
TLP185(GRH-TR,SE(T	0123-0475-9	5300Vrms	30V	500%	5us/100us	FAIRCHILD
TLP291(GB-TP,SE(T	0123-0471-7	5300Vrms	70V	63%	8us/39us	FAIRCHILD
TLP521-4(GB,F)	0123-0516-3	5300Vrms	80V	20%	5us/5us	FAIRCHILD
TLP550(LF5,F)	0123-0558-5	5300Vrms	300V	20%	5us/5us	FAIRCHILD
TLP559(F)	0123-0535-8	5300Vrms	300V	20%	5us/5us	FAIRCHILD
TLP621(D4-GB,F)	0123-0510-5	7500Vrms	16V	-	0.1us/0.1us	FAIRCHILD
TLP621(GB,F)	0123-0355-6	7500Vrms	16V	-	0.1us/0.1us	FAIRCHILD
TLP754(F)	0123-0451-9	7500Vrms	30V	100%	2us/2us	FAIRCHILD
TLP785(D4-GR,F(C	0123-0579-6	7500Vrms	70V	100%	8us/39us	FAIRCHILD

• AC Input Optoisolators

MFR Part Number	ES Part Number	Isolation Voltage (RMS)	Output Voltage	IF max	t(ON)/ t(OFF)	MFR
LTV-814A	0013-0106-2	5000Vrms	35V	50mA	50mA	LITE-ON
PC814X1J000F	0084-0011-9	5000Vrms	80V	50mA	50mA	SHARP

• TRIAC Ouput Optoisolators

MFR Part Number	ES Part Number	Isolation Voltage (RMS)	Output Voltage	IF max	t(ON)/ t(OFF)	MFR
MOC3023-LITEON	0087-0225-6	2500Vrms	600V	50mA	Triac	TOSHIBA
MOC3023S-TA1	0123-0664-1	4170Vrms	800V	60mA	Triac	FAIRCHILD
MOC3063-LITEON	0013-0015-8	5000Vrms	400V	50mA	Triac	LITE-ON
MOC3052-LITEON	0013-0019-0	5000Vrms	400V	50mA	Triac	LITE-ON
MOC3052S-V	0013-0044-7	5000Vrms	600V	50mA	Triac	LITE-ON
TLP561J(IFT7,C,F)	0013-0078-1	5000Vrms	600V	50mA	Triac	LITE-ON
MOC3062M	0013-0087-2	5000Vrms	600V	50mA	Triac	LITE-ON
MOC3052M_NL	0123-0405-1	5300Vrms	400V	60mA	Triac	FAIRCHILD
MOC3020M_NL	0123-0406-4	5300Vrms	400V	60mA	Triac	FAIRCHILD
MOC3021M_NL	0123-0437-9	5300Vrms	400V	60mA	Triac	FAIRCHILD
MOC3043M_NL	0123-0213-9	5300Vrms	600V	60mA	Triac	FAIRCHILD
MOC3081M_NL	0123-0367-6	5300Vrms	600V	60mA	Triac	FAIRCHILD
MOC3083M_NL	0123-0439-5	5300Vrms	800V	60mA	Triac	FAIRCHILD
MOC3083M	0123-0441-5	5300Vrms	800V	60mA	Triac	FAIRCHILD

• Isolation Amplifier

MFR Part Number	ES Part Number	Isolation Voltage (RMS)	Output Type	Output Voltage	t(ON)/ t(OFF)	MFR
HCPL-7800-000E	0275-0012-9	3750Vrms	Differential	Adjustable	-	AGILENT
HCPL-7840-000E	0275-0018-7	3750Vrms	Differential	5.5V	2.96us/2.96us	AGILENT
HCPL-7840-500E	0275-0019-0	3750Vrms	Differential	5.5V	2.96us/2.96us	AGILENT

• Gate Drive Optocouplers

MFR Part Number	ES Part Number	Isolation Voltage (RMS)	Output Type	Output Voltage	t(ON)/ t(OFF)	MFR
HCPL-3120-000E	0087-0138-4	2500vrms	Transistor	35V	0.5us/0.5us	TOSHIBA
HCPL-0314-500E	0275-0010-3	3750Vrms	Push-Pull	30V	0.1us/0.1us	AGILENT
TLP250(F)	0275-0028-1	3750Vrms	Push-Pull	30V	-	AGILENT
PC923L0NSZ0F	0084-0023-9	4000Vrms	Logic	35V	0.5us/0.5us	SHARP
PC929J00000F	0084-0018-0	5000Vrms	Logic	30V	0.2us/0.2us	SHARP
PC923LENSZ0F	0084-0050-2	5000Vrms	Logic	30V	0.2us/0.2us	SHARP

AC to DC Converters

MFR Part Number	ES Part Number	Description	Power Output	Switching Frequency	Drain Peak Current	Package/Case	MFR
BD7679G-GTR	0176-0996-6	PWM Control Type DC/DC Converter IC for AC/DC Driver	-	60kHz ~ 70kHz	-	SOT-23-6	ROHM
BM1P061FJ-E2	0176-0977-1	PWM Control Type DC/DC Converter IC	-	60kHz ~ 70kHz	-	SOP-J8	ROHM
BM1P062FJ-E2	0176-1000-3	PWM Control Type DC/DC converter IC	-	60kHz ~ 70kHz	-	SOP-J8	ROHM
LNK302GN-TL	0195-0084-0	Lowest Component Count, Energy-Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	200mA	SMD-8B	POWER INT
LNK302PN	0195-0103-0	Lowest Component Count, Energy-Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	200mA	DIP-8B	POWER INT
LNK304GN-TL	0195-0035-3	Lowest Component Count, Energy-Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	400 mA	SMD-8B	POWER INT
LNK304PN	0195-0036-6	Lowest Component Count, Energy-Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	400mA	DIP-8B	POWER INT
LNK305PN	0195-0087-9	Lowest Component Count, Energy-Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	800mA	DIP-8B	POWER INT
LNK306DN-TL	0195-0100-1	Lowest Component Count, Energy Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	1400mA	SO-8	POWER INT
LNK306GN-TL	0195-0037-9	Lowest Component Count, Energy Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	1400mA	SMD-8B	POWER INT
LNK306PN	0195-0038-2	Lowest Component Count, Energy Efficient Off-Line Switcher IC	-	62kHz ~ 70kHz	1400mA	DIP-8B	POWER INT
LNK354GN	0195-0072-0	Enhanced, Energy Efficient, Low Power Off-Line Switcher IC	5W	186kHz ~ 214kHz	400mA	SMD-8B	POWER INT
LNK364DN	0195-0062-6	Energy Efficient, Low Power Off-Line Switcher IC	9W	124kHz ~ 140kHz	400mA	SO-8	POWER INT
LNK500GN-TL	0195-0124-1	Energy Efficient,CV or CV/CC Switcher for Adapters, Charger	5.5W	34.5kHz ~ 49.5kHz	400mA	SMD-8B	POWER INT
LNK500PN	0195-0075-9	Energy Efficient,CV or CV/CC Switcher for Adapters, Charger	5.5W	34.5kHz ~ 49.5kHz	400mA	DIP-8B	POWER INT
LNK623DG-TL	0195-0096-0	Energy-Efficient, Off-Line Switcher with Primary-Side CV Control	9W	93kHz ~ 106kHz	400mA	SO-8	POWER INT
LNK623PG	0195-0098-6	Energy-Efficient, Off-Line Switcher with Primary-Side CV Control	9W	93kHz ~ 106kHz	400mA	DIP-8C	POWER INT
LNK624DG	0195-0152-7	Energy Efficient,CV or CV/CC Switcher for Adapters, Charger	11W	93kHz ~ 106kHz	400mA	SO-8	POWER INT
LNK626DG	0195-0108-5	Energy-Efficient, Off-Line Switcher with Primary-Side CV Control	17W	93kHz ~ 106kHz	720mA	SO-8	POWER INT
LNK626PG	0195-0107-2	Energy-Efficient, Off-Line Switcher with Primary-Side CV Control	17W	93kHz ~ 106kHz	720mA	DIP-8C	POWER INT
LNK6663V	0195-0140-7	Energy Efficient, High-Power Off-Line Switcher With Accurate PSR	25W	120kHz ~ 136kHz	100mA	EDIP-12	POWER INT
TNY264PN	0195-0097-3	Enhanced, Energy Efficient, Low Power Off-Line Switcher	9W	124kHz ~ 140kHz	400mA	DIP-8B	POWER INT
TNY266PN	0195-0064-2	Enhanced, Energy Efficient, Low Power Off-Line Switcher	15W	124kHz ~ 140kHz	560mA	DIP-8B	POWER INT
TNY267PN	0195-0070-4	Enhanced, Energy Efficient, Low Power Off-Line Switcher	19W	124kHz ~ 140kHz	720mA	DIP-8B	POWER INT
TNY268GN-TL	0195-0066-8	Enhanced, Energy Efficient, Low Power Off-Line Switcher	23W	124kHz ~ 140kHz	880mA	SMD-8B	POWER INT
TNY274PN	0195-0118-9	Energy Efficient,Offline Switcher, Extended Power Range	11W	124kHz ~ 140kHz	400mA	DIP-8C	POWER INT
TNY275PN	0195-0055-1	Energy Efficient,Offline Switcher, Extended Power Range	15W	124kHz ~ 140kHz	560mA	DIP-8C	POWER INT
TNY277PN	0195-0069-7	Energy Efficient,Offline Switcher, Extended Power Range	23.5W	124kHz ~ 140kHz	880mA	DIP-8C	POWER INT
TNY278PN	0195-0091-5	Energy Efficient,Offline Switcher, Extended Power Range	28W	124kHz ~ 140kHz	1.04A	DIP-8C	POWER INT
TNY280PN	0195-0074-6	Energy Efficient,Offline Switcher, Extended Power Range	36.5W	124kHz ~ 140kHz	1.36A	DIP-8C	POWER INT
TNY284DG	0195-0173-2	Off-Line Switcher,Line Compensated Overload Power	11W	124kHz ~ 140kHz	400mA	SO-8	POWER INT
TNY287DG-TL	0195-0160-5	Off-Line Switcher,Line Compensated Overload Power	23.5W	124kHz ~ 140kHz	880mA	SO-8	POWER INT
TOP224YN	0195-0019-7	Three-Terminal Off-Line PWM Switch	75W	90kHz ~ 110kHz	150mA	TO-220-3	POWER INT
TOP226YN-T	0195-0018-4	Three-Terminal Off-Line PWM Switch	125W	90kHz ~ 110kHz	250mA	TO-220-3	POWER INT
TOP227YN	0195-0022-0	Three-Terminal Off-Line PWM Switch	150W	90kHz ~ 110kHz	300mA	TO-220-3	POWER INT
TOP227YN-T	0195-0023-3	Three-Terminal Off-Line PWM Switch	150W	90kHz ~ 110kHz	300mA	TO-220-3	POWER INT
TOP242PN	0195-0041-5	Extended Power, EcoSmart, Integrated Off-Line Switcher	15W	124kHz ~ 140kHz	720mA	DIP-8B	POWER INT
TOP244GN	0195-0029-1	Extended Power, EcoSmart, Integrated Off-Line Switcher	28W	124kHz ~ 140kHz	2.16A	SMD-8B	POWER INT
TOP244PN	0195-0045-7	Extended Power, EcoSmart, Integrated Off-Line Switcher	28W	124kHz ~ 140kHz	2.16A	DIP-8B	POWER INT
TOP246YN	0195-0020-4	Extended Power, EcoSmart, Integrated Off-Line Switcher	125W	124kHz ~ 140kHz	4.32A	TO-220-7C	POWER INT
TOP247YN	0195-0033-7	Extended Power, EcoSmart, Integrated Off-Line Switcher	165W	124kHz ~ 140kHz	5.76A	TO-220-7C	POWER INT
TOP250YN	0195-0044-4	Extended Power, EcoSmart, Integrated Off-Line Switcher	290W	124kHz ~ 140kHz	10.08A	TO-220-7C	POWER INT
TOP253PN	0195-0099-9	Off-Line Switcher, Advanced Feature Set, Extended Power Range	38W	59.4kHz ~ 72.6kHz	1.37A	DIP-8C	POWER INT
TOP254PN	0195-0101-4	Off-Line Switcher, Advanced Feature Set, Extended Power Range	47W	59.4kHz ~ 72.6kHz	2.08A	DIP-8C	POWER INT
TOP256PN	0195-0094-4	Off-Line Switcher, Advanced Feature Set, Extended Power Range	63W	59.4kHz ~ 72.6kHz	4.08A	DIP-8C	POWER INT
TOP257PN	0195-0067-1	Off-Line Switcher, Advanced Feature Set, Extended Power Range	70W	59.4kHz ~ 72.6kHz	5.44A	DIP-8C	POWER INT
TOP258PN	0195-0071-7	Off-Line Switcher, Advanced Feature Set, Extended Power Range	77W	59.4kHz ~ 72.6kHz	6.88A	DIP-8C	POWER INT
TOP267EG	0195-0126-7	Off-Line Switcher, EcoSmart Technology for High-Efficient PSU	137W	59.4kHz ~ 72.6kHz	5.44A	ESIP-7	POWER INT

Energy Measurements

MFR Part Number	ES Part Number	Description	ADC Resolution (bits)	Measurement Error	Interface Type	Package/Case	MFR
MCP3906A-I/SS	0035-0898-9	Energy Metering ICs with Active Real Power Pulse Output	16	0.10%	Pulse	SSOP-24	MICROCHIP
MCP3912A1-E/SS	0035-1793-5	3V Four-Channel Analog Front End	24	0.10%	SPI	SSOP-28	MICROCHIP
MCP39F501-E/MQ	0035-1726-6	Single-Phase, Power-Monitoring with Calculation, Event Detection	10	0.10%	UART	QFN-28	MICROCHIP
MCP39F511-E/MQ	0035-1796-4	Power-Monitoring IC with Calculation and Energy Accumulation	24	0.10%	UART	QFN-28	MICROCHIP

Gate Driver

MFR Part Number	ES Part Number	Description	Number of Drivers	Current - Peak	Gate Type	Package/Case	MFR
IR2127PBF	0129-0116-5	Current Sensing Single Channel Driver	1	250mA	IGBT, N-Ch MOSFET	PDIP-8	IR
IR2127STRPBF	0129-0170-1	Current Sensing Single Channel Driver	1	250mA	IGBT, N-Ch MOSFET	SOIC-8	IR
TC4429CAT	0035-0277-8	6A High-Speed MOSFET Drivers	1	6A	N-Ch, P-Ch MOSFET	TO-220-5	MICROCHIP
BS2103F-E2	0176-1121-1	600V High voltage High & Low-side, Gate Driver	2	60mA/130mA	IGBT, N-Ch MOSFET	SOP-8	ROHM
IR2153PBF	0129-0055-3	Self-Oscillating Half-Bridge Driver	2	200mA	N-Ch MOSFET	PDIP-8	IR
IR2111PBF	0129-0090-4	Half-Bridge Driver	2	250mA	IGBT, N-Ch MOSFET	PDIP-8	IR
FAN7842MX	0123-0593-6	High and Low Side Gate Driver	2	350mA	IGBT, N-Ch MOSFET	SOP-8	FAIRCHILD
L6391D	0083-0517-5	High Voltage High and Low-Side Driver	2	430mA	IGBT, N-Ch MOSFET	SOIC-14	ST MICRO
TC4427EOA	0035-0366-6	1.5A Dual High-Speed Power MOSFET Drivers	2	1.5A	N-Ch, P-Ch MOSFET	SOIC-8	MICROCHIP
TC4427ACPA	0035-0819-0	1.5A Dual High-Speed Power MOSFET Drivers	2	1.5A	N-Ch, P-Ch MOSFET	PDIP-8	MICROCHIP
TC4428ACPA	0035-0972-8	1.5A Dual High-Speed Power MOSFET Drivers	2	1.5A	N-Ch, P-Ch MOSFET	PDIP-8	MICROCHIP
TC4427ACOA713	0035-1071-6	1.5A Dual High-Speed Power MOSFET Drivers	2	1.5A	N-Ch, P-Ch MOSFET	SOIC-8-TR-8	MICROCHIP
TC4426AEOA713	0035-1452-1	1.5A Dual High-Speed Power MOSFET Drivers	2	1.5A	N-Ch, P-Ch MOSFET	SOIC-8	MICROCHIP
IRS21844SPBF	0129-0171-4	Half Bridge Driver	2	1.9A	IGBT, N-Ch MOSFET	SOIC-14	IR
IR2110PBF	0129-0085-5	High and Low Side Driver	2	2A	IGBT, N-Ch MOSFET	PDIP-14	IR
IR2113PBF	0129-0094-6	High and Low Side Driver	2	2A	IGBT, N-Ch MOSFET	PDIP-14	IR
TC4422AVOA	0035-0664-5	1.5A Dual High-Speed Power MOSFET Drivers	2	10A	IGBT, N/P-Ch MOSFET	SOIC-8	MICROCHIP
HIP4080AIPZ	0223-0047-2	80V/2.5A Peak, High Frequency Full Bridge FET Driver	4	2.6A	N-Ch MOSFET	PDIP-20	INTERSIL

LED-Lighting Drivers

MFR Part Number	ES Part Number	Description	Maximum Output Power	Switching Frequency	Voltage Supply	Package/Case	MFR
AS1104-T	0350-0011-4	Low-Dropout LED Drivers	-	-	2.2V ~ 3.6V	MSOP-8	AMS
AS1109-BSOT	0350-0067-2	Constant-Current, 8-Bit LED Driver with Diagnostics	-	-	3V ~ 5.5V	SOIC-16	AMS
AS1110-BSST	0350-0039-6	Constant-Current, 16-Ch LED Driver with Diagnostics	-	-	3V ~ 5.5V	SSOP-24	AMS
AS3691B-ZTSP	0350-0040-3	4 Precision 400mA Current Sources for RGB and Single Color Leds	-	-	7V	TSSOP-24	AMS
BD555BKFV-E2	0176-0997-9	AC/DC Controller IC for mains dimmable LED lighting	-	40kHz ~ 400kHz	16V ~ 39V	SSOP-14	ROHM
BD9207FPS-E2	0176-0578-4	LED Driver, Step-Down type with 1.5A Output	-	810kHz ~ 990kHz	8V ~ 35V	DPAK-5 (TO-252)	ROHM
BD9486F-GE2	0176-0536-2	1ch Boost up type White LED Driver for large LCD	-	50kHz ~ 800kHz	9V ~ 18V	SOP-16	ROHM
BD9489F-GE2	0176-0604-9	1ch Boost up type White LED Driver for large LCD	-	50kHz ~ 800kHz	9V ~ 35V	SOP-16	ROHM
BM520Q19F-GE2	0176-0605-2	AC/DC Controller IC for LED Lighting	-	175kHz ~ 225kHz	8.9V ~ 26V	SOP-8	ROHM
HV9805MG-G	0035-1834-5	Off-Line LED Driver with True DC Output Current	-	-	7.9V ~ 8.6V	MSOP-10	MICROCHIP
HV9910BLG-G	0035-1747-7	Universal High Brightness LED Driver	-	25kHz ~ 100kHz	8V ~ 450V	SOIC-8	MICROCHIP
HV9922N3-G	0035-1749-3	3-Pin Switch-Mode LED Lamp Driver ICs	-	-	265VAC/400VDC	TO-92	MICROCHIP
HV9967BMG-G	0035-1748-1	Integrated LED Driver with Average-Mode Current Control	-	-	8V ~ 60V	MSOP-8	MICROCHIP
ISL976321RT26Z-T	0223-0048-5	White LED Driver with Digital Dimming	-	1.3MHz ~ 1.6MHz	2.4V ~ 5.5V	TDFN-8	INTERSIL
LM3445MM/NOPB	0078-0305-2	Triac Dimmable Offline LED Driver	-	30kHz ~ 1MHz	8V ~ 12V	MSOP-10	TEXAS
LNK406EG	0195-0116-3	Primary-Side Constant Current Control, TRIAC Dimming Options	22W	62kHz ~ 70kHz	90V ~ 265V	ESIP-7	POWER INT
LNK418EG	0195-0120-9	Primary-Side Constant Current Control, TRIAC Non-Dimming	35W	62kHz ~ 70kHz	90V ~ 265V	ESIP-7	POWER INT

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• LED-Lighting Drivers Continued...

MFR Part Number	ES Part Number	Description	Maximum Output Power	Switching Frequency	Voltage Supply	Package/Case	MFR
LNK419EG	0195-0158-5	Primary-Side Constant Current Control, TRIAC Non-Dimming	50W	62kHz ~ 70kHz	90V ~ 265V	ESIP-7	POWER INT
LNK456DG-TL	0195-0155-6	LED Driver with TRIAC Dimming,PFC,Constant Current Control	6W	25.8kHz ~ 134kHz	50V	SO-8	POWER INT
LNK460KG	0195-0130-3	LED Driver with TRIAC Dimming,PFC,Constant Current Control	16W	25.8kHz ~ 134kHz	50V	ESOP-12	POWER INT
MB39C604PNF-G-JNEFE1	0001-0212-7	PSR LED Driver IC for LED Lighting	50W	30kHz ~ 133kHz	25V	SOP-8	SPANSION
STP24DP05BTR	0083-0438-1	24-bit Constant Current LED Sink Driver	-	-	3V ~ 5.5V	TQFP-48	ST MICRO
TLC5921DAPR	0086-0487-9	LED DRIVER	-	-	4.5V ~ 5.5V	SSOP-32	TEXAS
TPS61042DRBR	0086-0510-5	Constant Current LED Driver	-	1MHz	1.8V ~ 6V	QFN	TEXAS

DC-DC Switching Controllers

MFR Part Number	ES Part Number	Description	PWM Type	Frequency - Max	Voltage Supply	Package/Case	MFR
MCP1630V-E/MS	0035-1700-1	High-Speed, Microcontroller-Adaptable, PWM	Voltage/Current Mode	1MHz	3V ~ 5.5V	MSOP-8	MICROCHIP
LM3478MM/NOPB	0078-0249-5	High-Efficiency Low-Side N-Ch Controller for Switching Regulator	Current Mode	1MHz	2.97V ~ 40V	MSOP-8	TEXAS
UC3845BN-ST	0083-0205-0	High Performance Current Mode PWM Controllers	Current Mode	500kHz	8.2V ~ 25V	PDIP-8	ST MICRO
SG3525AN	0083-0420-3	Regulating Pulse Width Modulators	Voltage Mode	500kHz	8V ~ 35V	PDIP-16	ST MICRO
SG3525AP013TR	0083-0421-6	Regulating Pulse Width Modulators	Voltage Mode	500kHz	8V ~ 35V	SOIC-16	ST MICRO
SG3524N	0086-0078-8	Regulating Pluse Width Modulators	Voltage Mode	400kHz	8V ~ 40V	PDIP-16	TEXAS
TL494CN	0086-0163-4	Pulse Width-Modulation Control Circuits	Voltage Mode	300kHz	7V ~ 40V	PDIP-16	TEXAS
TL3842P	0086-0174-1	Current Mode PWM Controllers	Current Mode	500kHz	10V ~ 30V	PDIP-8	TEXAS
KA3525A	0123-0369-2	SMPS Controller	Voltage Mode	430kHz	7V ~ 20V	PDIP-16	FAIRCHILD
DPA426R	0195-0040-2	Highly Integrated DC-DC Converter	Voltage Mode	400kHz	16 ~ 75V	D2PAK-7 (TO-263)	POWER INT
DPA423GN-TL	0195-0077-5	Highly Integrated DC-DC Converter	Voltage Mode	400kHz	16 ~ 75V	SMD-8	POWER INT
DPA424R-TL	0195-0113-4	Highly Integrated DC-DC Converter	Voltage Mode	400kHz	16 ~ 75V	D2PAK-7 (TO-263)	POWER INT
TLE4305G	0227-0026-9	Voltage-Current Regulator	Voltage/Current Mode	-	8 ~ 42V	SOIC-8	INFINEON
SG3525ANG	0235-0182-0	Pulse Width Modulator Control Circuit	Voltage Mode	400kHz	8V ~ 35V	PDIP-16	ON SEMI
UC3842BNG	0235-0201-0	Current Mode Controllers	Current Mode	60kHz	30V	PDIP-8	ON SEMI
UC3843BVD1R2G	0235-0224-7	Current Mode Controllers	Current Mode	275kHz	10V ~ 30V	SOIC-8	ON SEMI
UC3845BNG	0235-0238-3	Current Mode Controllers	Current Mode	275kHz	7.6V ~ 30V	PDIP-8	ON SEMI
UC3843BNG	0235-0279-2	Current Mode Controllers	Current Mode	275kHz	10V ~ 30V	PDIP-8	ON SEMI
UC3844BNG	0235-0305-7	Current Mode Controllers	Current Mode	275kHz	15V	PDIP-8	ON SEMI
UC3844BDR2G	0235-0357-3	Current Mode Controllers	Current Mode	275kHz	15V	SOIC-14	ON SEMI

DC-DC Switching Regulators

• Adjustable DC-DC Switching Regulators

	MFR Part Number	ES-P/N	Description	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Frequency-Switching	Efficiency	Tolerance	MFR
 D2PAK-5	LM2576WU	0035-1856-5	52KHz Simple 3A Buck Regulator	Step Down (Buck)	1.23V ~ 37V	3A	45V	52kHz	80%	+/-2%	MICROCHIP
	LM2576SX-ADJ/NOPB	0078-0283-3	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	1.23V ~ 37V	3A	45V	52kHz	77%	-	TEXAS
	LM2596SX-ADJ/NOPB	0078-0288-8	Power Converter 150 KHz 3A Step-Down Voltage Regulator	Step Down (Buck)	1.2V ~ 37V	3A	45V	150kHz	73%	-	TEXAS
	LM2576HVSX-ADJ/NOPB	0078-0349-1	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	1.23V ~ 57V	3A	63V	52kHz	77%	+/-4%	TEXAS
 DPAK-5	BD9703FP-E2	0176-0084-1	Step-Down Switching Regulators with Power MOSFE	Step Down (Buck)	1V ~ 32.0V	1.5A	36V	300kHz	86%	+/-2%	ROHM
 HTSOPJ8	BD9328EFJ-E2	0176-0085-4	Step-Down Switching Regulators Built-in Power MOSFET	Step Down (Buck)	0.9V ~ 12.6V	2A	20V	380kHz	90%	+/-1.5%	ROHM
	BD93290EFJ-E2	0176-0086-7	1-Ch Step-Down DC/DC Converter	Step Down (Buck)	0.5V ~ 18V	3A	20V	300kHz	-	+/-1.5%	ROHM
	BD9D321EFJ-E2	0176-0384-6	3.0A Integrated MOSFET 1ch Sync Buck DC/DC Converter	Step Down (Buck)	0.765V ~ 7V	3A	18V	700kHz	90%	-	ROHM
	BD9C601EFJ-E2	0176-0394-1	6.0A Integrated MOSFET 1ch Sync Buck DC/DC Converter	Step Down (Buck)	0.34V ~ 12.6V	6A	18V	500kHz	90%	-	ROHM
	BD9C401EFJ-E2	0176-0396-6	4.0A Integrated MOSFET 1ch Sync Buck DC/DC Converter	Step Down (Buck)	0.562V ~ 12.6V	4A	18V	500kHz	90%	-	ROHM
	BD9673AEFJ-E2	0176-0475-1	Step-Down Switching Regulators Built-in Power MOSFET	Step Down (Buck)	1V ~ 29.4V	1.5A	42V	300kHz	90%	-	ROHM
	BD9876AEFJ-E2	0176-0519-3	Step-Down Switching Regulators Built-in Power MOSFET	Step Down (Buck)	1V ~ 29.4V	3A	42V	300kHz	90%	-	ROHM
	BD9E303EFJ-LBE2	0176-0937-5	3.0A Single Synchronous Buck DC/DC Converter	Step Down (Buck)	1V ~ 28.8V	3A	36V	300kHz	-	-	ROHM
	BD9G341AEFJ-E2	0176-0976-8	1-Ch Buck Converter Integrated FET	Step Down (Buck)	1V ~ 80.0V	3A	80V	750kHz	-	-	ROHM
	BD90620EFJ-CE2	0176-0979-7	1-Ch Step-Down Switching Regulator	Step Down (Buck)	0.8V ~ 42V	2.5A	36V	600kHz	-	+/-2%	ROHM
 PDIP-16	LM2575N-ADJ/NOPB	0078-0237-5	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	1.23V ~ 37V	1A	45V	52kHz	77%	-	TEXAS
 PDIP-8	KA34063A_NL	0123-0481-1	SMPS Controller	Buck,Boost,Inverting	-	1.5A	40V	100kHz	-	+/-4%	FAIRCHILD
	ICL7660SCPAZ	0223-0030-7	Super Voltage Converter	Charge Pump	-1.5V ~ -12V	45mA	12V	35kHz	98%	-	INTERSIL
	MC34063AP1G	0235-0370-0	1.5 A, Step-Up/Down/Inverting Switching Regulators	Buck,Boost,Inverting	-	1.5A	40V	33kHz	-	+/-2%	ON SEMI
 SOIC-8	TPS5420DG4	0086-0500-1	2-A, Wide Input Range, Step-Down Swift Converter	Step Down (Buck)	1.22V ~ 31V	2A	40V	500kHz	95%	+/-1.5%	TEXAS
	TPS5450DDAR	0086-0629-1	5-A, Wide Input Range, Step-Down Swift Converter	Step Down (Buck)	1.22V ~ 31V	5A	40V	500kHz	90%	+/-1.5%	TEXAS
	TPS5420DR	0086-0703-1	2-A, Wide Input Range, Step-Down Swift Converter	Step Down (Buck)	1.22V ~ 31V	2A	40V	500kHz	95%	+/-1.5%	TEXAS
	BD9C301FJ-E2	0176-0683-8	3.0A Integrated MOSFET 1ch Sync Buck DC/DC Converter	Step Down (Buck)	0.8V ~ 12.6V	3A	20V	500kHz	-	-	ROHM
	MC34063ADR2G	0235-0341-1	1.5 A, Step-Up/Down/Inverting Switching Regulators	Buck,Boost,Inverting	-	1.5A	40V	33kHz	-	+/-2%	ON SEMI

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• Adjustable DC-DC Switching Regulators Continued...

	MFR Part Number	ES-P/N	Description	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Frequency-Switching	Efficiency	Tolerance	MFR
 SOT-23-5	TPS60403DBVR	0086-0586-1	Unregulated 60-mA Charge Pump Voltage Inverter	Charge Pump	-1.6V ~ -5.25V	60mA	5.25V	250kHz	90%	+/-1%	TEXAS
 SOT-23-6	MCP16251T-I/CH	0035-1840-1	PFM/PWM Boost Regulator, True Output Disconnect	Step Up (Boost)	1.8V ~ 5.5V	250mA	5.5V	500kHz	96%	-	MICROCHIP
 TO-220-5	LM2576WT	0035-1855-3	52KHz Simple 3A Buck Regulator	Step Down (Buck)	1.23V ~ 37V	3A	45V	52kHz	80%	+/-2%	MICROCHIP
	LM2576T-ADJ/NOPB	0078-0184-1	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	1.23V ~ 37V	3A	45V	52kHz	77%	-	TEXAS
	LM2575T-ADJ/NOPB	0078-0187-0	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	1.23V ~ 37V	1A	45V	52kHz	77%	-	TEXAS
	LM2576HVT-ADJ/NOPB	0078-0197-4	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	1.23V ~ 57V	3A	63V	52kHz	77%	-	TEXAS
 TO-220-5	MC34167TVG	0235-0339-1	5.0 A, Step-Up/Down/Inverting Switching Regulators	Buck,Boost,Inverting	5V ~ 40V	5A	45V	72kHz	84.2%	+/-2%	ON SEMI
 TO-220F-5	BD9703CP-V5E2	0176-0079-2	Step-Down Switching Regulators with Power MOSFET	Step Down (Buck)	1V ~ 32V	1.5A	36V	300kHz	86%	+/-2%	ROHM
	BD9873CP-V5E2	0176-0080-9	Buck Converter with Integrated FET	Step Down (Buck)	1V ~ 26V	1.5A	35V	110kHz	88%	-	ROHM
 TSSOP-20	LM5576MHX/NOPB	0078-0345-8	75V, 3A Step-Down Switching Regulator	Step Down (Buck)	1.225V ~ 70V	3A	75V	50kHz ~ 500kHz	92%	+/-1.5%	TEXAS

• Positive Fixed DC-DC Switching Regulator

	MFR Part Number	ES-P/N	Description	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Frequency-Switching	Efficiency	Tolerance	MFR
 D2PAK-5 (TO-263)	LM2576-12WU	0035-1850-3	52KHz Simple 3A Buck Regulator	Step Down (Buck)	12V	3A	45V	52kHz	88%	+/-3%	MICROCHIP
	LM2576-3.3WU	0035-1852-7	52KHz Simple 3A Buck Regulator	Step Down (Buck)	3.3V	3A	45V	52kHz	75%	+/-3%	MICROCHIP
	LM2576-5.0WU	0035-1854-1	52KHz Simple 3A Buck Regulator	Step Down (Buck)	5V	3A	45V	52kHz	82%	+/-3%	MICROCHIP
	LM2576SX-5.0/NOPB	0078-0195-8	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	5V	3A	45V	52kHz	77%	+/-4%	TEXAS
	LM2576SX-3.3/NOPB	0078-0243-7	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	3.3V	3A	45V	52kHz	75%	-	TEXAS
	LM2575SX-5.0/NOPB	0078-0261-9	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	5V	1A	45V	52kHz	77%	-	TEXAS
	LM2576HVSX-5.0/NOPB	0078-0266-4	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	5V	3A	63V	52kHz	77%	-	TEXAS
	LM2575SX-3.3/NOPB	0078-0271-3	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	3.3V	1A	45V	52kHz	75%	-	TEXAS
	LM2576HVS-3.3/NOPB	0078-0284-6	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	3.3V	3A	63V	52kHz	75%	-	TEXAS
	LM2576HVSX-3.3/NOPB	0078-0348-7	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	3.3V	3A	63V	52kHz	75%	-	TEXAS
 HTSOP-J8	BD93291EFJ-E2	0176-0516-4	Dual Synchronous Buck Converter	Step Down (Buck)	5V,0.8V ~ 4V	1.7A,0.5A	26V/5.0V	600kHz	90%	+/-1.5%	ROHM
 PDIP-16	LM2575N-5.0/NOPB	0078-0234-6	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	5V	1A	45V	52kHz	77%	-	TEXAS
 PDIP-8	MAX662ACPA	0126-0018-5	+12V, 30mA Flash Memory Programming Supply	Charge Pump	12V	30mA	5.5V	500kHz	76%	+/-5%	MAXIM
 MSOP-8	MCP1642B-33I/MS	0035-1845-1	1 MHz Low-Voltage Start-Up Synchronous Boost Regulator	Step Up (Boost)	3.3V	600mA	5.5V	1MHz	96%	-	MICROCHIP
	MCP1642B-50I/MS	0035-1846-2	1 MHz Low-Voltage Start-Up Synchronous Boost Regulator	Step Up (Boost)	5V	1A	5.5V	1MHz	96%	-	MICROCHIP
 TDFN-10	AS1331-BTDT-33	0350-0027-6	300mA Buck-Boost Synchronous DC/DC Converters	Buck,Boost	3.3V	300mA	5.5V	-	90%	-	AMS

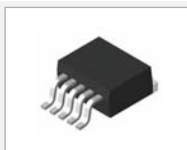
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• Positive Fixed DC-DC Switching Regulator Continued...

	MFR Part Number	ES-P/N	Description	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Frequency-Switching	Efficiency	Tolerance	MFR
 TO-220-5	LM2576-12WT	0035-1849-8	52KHz Simple 3A Buck Regulator	Step Down (Buck)	12V	3A	45V	52kHz	88%	+/-3%	MICROCHIP
	LM2576-3.3WT	0035-1851-5	52KHz Simple 3A Buck Regulator	Step Down (Buck)	3.3V	3A	45V	52kHz	75%	+/-3%	MICROCHIP
	LM2576-5.0WT	0035-1853-9	52KHz Simple 3A Buck Regulator	Step Down (Buck)	5V	3A	45V	52kHz	82%	+/-3%	MICROCHIP
	LM2575T-5.0/NOPB	0078-0174-7	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	5V	1A	45V	52kHz	77%	-	TEXAS
	LM2576T-5.0/NOPB	0078-0188-3	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	5V	3A	45V	52kHz	77%	+/-4%	TEXAS
	LM2576HVT-5.0/NOPB	0078-0196-1	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	5V	3A	63V	52kHz	77%	-	TEXAS
	LM2576T-12/NOPB	0078-0203-1	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	12V	3A	45V	52kHz	88%	-	TEXAS
	LM2576T-3.3/NOPB	0078-0211-9	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	3.3V	3A	45V	52kHz	75%	-	TEXAS
	LM2576HVT-12/NOPB	0078-0216-4	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	12V	3A	63V	52kHz	88%	-	TEXAS
	LM2575T-12/NOPB	0078-0225-5	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	12V	1A	45V	52kHz	88%	-	TEXAS
	LM2575HVT-5.0/NOPB	0078-0248-2	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	5V	1A	63V	52kHz	77%	-	TEXAS
	LM2575HVT-12/NOPB	0078-0282-0	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	Step Down (Buck)	12V	1A	63V	52kHz	88%	-	TEXAS
	LM2576T-15/NOPB	0078-0291-1	SIMPLE SWITCHER 3A Step-Down Voltage Regulator	Step Down (Buck)	15V	3A	45V	52kHz	88%	+/-4%	TEXAS

Linears Regulators

• Adjustable Low-Dropout Linear Regulator(LDO)

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 D2PAK-5 (TO-263)	NCP5663DSADJR4G	0235-0232-5	Ultra-Fast 3.0A LDO Regulator with Enable	Adjustable	Linear LDO Regulator	0.9 ~ 18V	3A	18V	-	ON SEMI
 DPAK (TO-252)	AIC1085GETR	0840-0001-7	3A Low Dropout Positive Regulator	Adjustable	Linear LDO Regulator	-	3A	7V	+/-1%	AIC
	NCP1117DAT5G	0235-0320-0	1.0A LDO Positive Fixed Voltage Regulators	Adjustable	Linear LDO Regulator	1.25 ~ 18.8V	1A	20V	+/-1%	ON SEMI
	BA1117FP-E2	0176-0095-8	Low Drop Adjustable Positive Voltage Regulator	Adjustable	Linear LDO Regulator	Adjustable from 1.25V	1A	15V	+/-1%	ROHM
 PDIP-14	LM723CN	0083-0342-2	High Precision Voltage Regulator	Adjustable	Linear LDO Regulator	1.2 ~ 37V	0.15A	40V	+/-3%	ST MICRO

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• Adjustable Low-Dropout Linear Regulator(LDO) Continued...

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 PPAK	LD29150PTR	0083-0391-9	1.5A, Very Low Drop Voltage Regulators	Adjustable	Linear LDO Regulator	1.5 ~ 9.7V	1.5A	14V	+/-1%	ST MICRO
 SSOP-20	TPS70202PWP	0086-0482-4	Dual-Output LDO with SVS for Split Voltage System	Adjustable	Linear LDO Regulator	1.22 ~ 5.5V	0.5A,0.25A	6V	+/-2%	TEXAS
 SOIC-8	MAX1806EUA33	0126-0057-8	500mA, Low-Voltage Linear Regulator in uMAX	Adjustable	Linear LDO Regulator	3.3V	0.5A	5.5V	-	MAXIM
 SOT-223-3	LM1117MPX-ADJ/NOPB	0078-0297-9	800mA Low-Dropout Linear Regulator	Adjustable	Linear LDO Regulator	1.25 ~ 13.8V	0.8A	20V	+/-2%	TEXAS

• Positive Fixed Low-Dropout Linear Regulator(LDO)

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 D2PAK-3 (TO-263)	LM1086CSX-2.5/NOPB	0078-0253-1	1.5A Low Dropout Positive Regulators	Positive Fixed	Linear LDO Regulator	2.5V	1.5A	27V	+/-1%	TEXAS
	LM1086CSX-3.3/NOPB	0078-0302-3	1.5A Low Dropout Positive Regulators	Positive Fixed	Linear LDO Regulator	3.3V	1.5A	27V	+/-2%	TEXAS
	LM2940CS-5.0/NOPB	0078-0242-4	1A Low Dropout Regulator	Positive Fixed	Linear LDO Regulator	5V	1A	26V	+/-5%	TEXAS
	LM2940S-5.0/NOPB	0078-0273-9	1A Low Dropout Regulator	Positive Fixed	Linear LDO Regulator	5V	1A	26V	+/-5%	TEXAS
	MCP1827S-5002E/EB	0035-1720-8	Low-Voltage, Low Quiescent Current LDO Regulator	Positive Fixed	Linear LDO Regulator	5V	1.5A	6V	+/-2%	MICROCHIP

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• **Positive Fixed Low-Dropout Linear Regulator(LDO)** Continued...

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 DPAK (TO-252)	NCP1117DT15RKG	0235-0322-6	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	1.5V	1A	20V	+/-1%	ON SEMI
	NCP1117DT18RKG	0235-0323-9	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	1.8V	1A	20V	+/-1%	ON SEMI
	NCP1117DT20RKG	0235-0324-2	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	2V	1A	20V	+/-1%	ON SEMI
	NCP1117DT25RKG	0235-0325-5	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	2.5V	1A	20V	+/-1%	ON SEMI
	NCP1117DT285RKG	0235-0326-8	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	2.85V	1A	20V	+/-1%	ON SEMI
	BD433M5FP-CE2	0176-0481-2	LDO Regulators	Positive Fixed	Linear LDO Regulator	3.3V	0.5A	42V	+/-2%	ROHM
	LM1117DTX-3.3/NOPB	0078-0316-9	800mA Low-Dropout Linear Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.8A	20V	+/-1%	TEXAS
	NCP1117DT33RKG	0235-0327-1	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	3.3V	1A	20V	+/-1%	ON SEMI
	AP1084D33G-13	0386-0011-1	5A Low Dropout Fixed-Mode Regulator	Positive Fixed	Linear LDO Regulator	3.3V	5A	12V	+/-2%	DIODES INC.
	LM1117DTX-5.0/NOPB	0078-0313-0	800mA Low-Dropout Linear Regulator	Positive Fixed	Linear LDO Regulator	5V	0.8A	20V	+/-1%	TEXAS
	BA50BC0FP-E2	0176-0521-3	1A Fixed Output LDO Regulators	Positive Fixed	Linear LDO Regulator	5V	1A	16V	+/-2%	ROHM
	NCP1117DT50RKG	0235-0328-4	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	5V	1A	20V	+/-1%	ON SEMI
	BA05CC0FP-E2	0176-0522-6	1A Fixed Output LDO	Positive Fixed	Linear LDO Regulator	5V	1A	35V	+/-2%	ROHM
	NCP1117DT12RKG	0235-0321-3	1.0A LDO Positive Fixed Voltage Regulators	Positive Fixed	Linear LDO Regulator	12V	1A	20V	+/-1%	ON SEMI
 HTSOP-J8	BD733L2EFJ-CE2	0176-0482-5	Ultra Low Quiescent Current LDO Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.2A	45V	+/-2%	ROHM
	BD33FC0WEFJ-E2	0176-0550-2	35V Voltage Resistance 1A LDO Regulators	Positive Fixed	Linear LDO Regulator	3.3V	1A	35V	+/-1%	ROHM
	BD750L2EFJ-CE2	0176-0483-8	Ultra Low Quiescent Current LDO Regulator	Positive Fixed	Linear LDO Regulator	5V	0.2A	45V	+/-2%	ROHM
	BD50FC0WEFJ-E2	0176-0551-5	35V Voltage Resistance 1A LDO Regulators	Positive Fixed	Linear LDO Regulator	5V	1A	35V	+/-1%	ROHM
 SOT-223-3	LM1117MPX-1.8/NOPB	0078-0202-8	800mA Low-Dropout Linear Regulator	Positive Fixed	Linear LDO Regulator	1.8V	0.8A	20V	+/-1%	TEXAS
	BD433M2FP3-CE2	0176-0479-2	200mA 5.0V Output LDO Regulators	Positive Fixed	Linear LDO Regulator	3.3V	0.2A	42V	+/-2%	ROHM
	LM1117MPX-3.3/NOPB	0078-0169-8	800mA Low-Dropout Linear Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.8A	20V	+/-1%	TEXAS
	LD1117AS33TR	0083-0491-4	Low Drop Fixed Positive Voltage Regulators	Positive Fixed	Linear LDO Regulator	3.3V	1A	15V	+/-2%	ST MICRO
	LD1117AS33TR	0633-0002-5	Low Drop Fixed Positive Voltage Regulators	Positive Fixed	Linear LDO Regulator	3.3V	1A	15V	+/-2%	ST MICRO
	BD450M2FP3-CE2	0176-0480-9	200mA 5.0V Output LDO Regulators	Positive Fixed	Linear LDO Regulator	5V	0.2A	42V	+/-2%	ROHM
	LM1117MPX-5.0/NOPB	0078-0259-9	800mA Low-Dropout Linear Regulator	Positive Fixed	Linear LDO Regulator	5V	0.8A	20V	+/-1%	TEXAS
 SOT-23-5	TPS76933DBVR	0086-0636-6	Ultralow-Power Low-Dropout Linear Regulators	Positive Fixed	Linear LDO Regulator	3.3V	0.1A	13.5V	+/-3%	TEXAS
	BU33TD3WG-TR	0176-0164-8	Versatile Package Full CMOS LDO Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.2A	6V	+/-1%	ROHM
	REG113NA-3.3/3K	0086-0613-9	DMOS 400mA Low-Dropout Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.4A	12V	+/-1.5%	TEXAS
 SSOP-5(SOT-23-5)	BU12TD3WG-TR	0176-0569-3	Versatile Package Full CMOS LDO Regulator	Positive Fixed	Linear LDO Regulator	1.2V	0.2A	6V	+/-1%	ROHM
	BU15TD3WG-TR	0176-0534-6	Versatile Package Full CMOS LDO Regulator	Positive Fixed	Linear LDO Regulator	1.5V	0.2A	6.5V	+/-1%	ROHM
	BU18TD3WG-TR	0176-0231-2	Versatile Package Full CMOS LDO Regulator	Positive Fixed	Linear LDO Regulator	1.8V	0.2A	6V	+/-1%	ROHM
	BU25TD3WG-TR	0176-0230-9	Versatile Package Full CMOS LDO Regulator	Positive Fixed	Linear LDO Regulator	2.5V	0.2A	6V	+/-1%	ROHM
	BU28UC3WG-TR	0176-0611-4	Versatile Package Full CMOS LDO Regulator	Positive Fixed	Linear LDO Regulator	2.8V	0.3A	5.5V	+/-1%	ROHM
	BU33UC3WG-TR	0176-0517-7	Versatile Package Full CMOS LDO Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.3A	5.5V	+/-1%	ROHM
	BU33SD5WG-TR	0176-0571-3	1-Ch 500mA CMOS LDO Regulators	Positive Fixed	Linear LDO Regulator	3.3V	0.5A	6V	+/-2%	ROHM

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• **Positive Fixed Low-Dropout Linear Regulator(LDO)** Continued...

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 SOT-23-6	AS1363-BSTT-33	0350-0042-9	1A Low Dropout Linear Voltage Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.5A	5.5V	+/-2%	AMS
 SOT-89	MCP1702T-2502E/MB BD33FA1FP3-ZTL MCP1702T-3302E/MB BD50FA1FP3-ZTL BDJ2FA1FP3-ZTL	0035-1178-2 0176-0496-1 0035-0826-5 0176-0512-2 0176-0570-1	250 mA Low Quiescent Current LDO Regulator 100mA Fixed Output LDO Regulator 250 mA Low Quiescent Current LDO Regulator 100mA Fixed Output LDO Regulator 100mA Fixed Output LDO Regulator	Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed	Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator	2.5V 3.3V 3.3V 5V 12V	0.25A 0.1A 0.25A 0.1A 0.1A	13.2V 30V 13.2V 30V 30V	+/-2% +/-1% +/-2% +/-1% +/-1%	MICROCHIP ROHM MICROCHIP ROHM ROHM
 TO-220-3	MCP1827S-1202E/AB LM1117T-3.3/NOPB LM2940CT-5.0/NOPB	0035-1686-5 0078-0236-2 0078-0278-4	Low-Voltage,Low Quiescent Current LDO Regulator 800mA Low-Dropout Linear Regulator 1A Low Dropout Regulator	Positive Fixed Positive Fixed Positive Fixed	Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator	1.2V 3.3V 5V	1.5A 0.8A 1A	6V 20V 26V	+/-2% +/-1% +/-5%	MICROCHIP TEXAS TEXAS
 TO-220F-4	KIA278R25PI/P KIA278R33PI/P KIA278R05PI/P KIA278R06PI/P KIA278R08PI/P KIA278R09PI/P KIA278R10PI/P KIA278R12PI/P KIA278R15PI/P	0136-0241-4 0136-0214-1 0136-0210-9 0136-0211-2 0136-0238-1 0136-0212-5 0136-0239-4 0136-0213-8 0136-0240-1	4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator 4 Terminal 2A Output Low Drop Voltage Regulator	Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed	Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator	2.5V 3.3V 5V 6V 8V 9V 10V 12V 15V	2A 2A 2A 2A 2A 2A 2A 2A 2A	35V 35V 35V 35V 35V 35V 35V 35V 35V	+/-2% +/-2% +/-2% +/-2% +/-2% +/-2% +/-2% +/-2% +/-2%	KEC KEC KEC KEC KEC KEC KEC KEC KEC
 TO-220F-3	BA15DD0T BA18DD0T BA25DD0T BA03CC0T BA33DD0T BA05CC0T BA50DD0T BA07CC0T BA08CC0T BA09CC0T BA90DD0T BAJ0CC0T BAJ2CC0T BAJ2DD0T BAJ5CC0T BAJ6DD0T	0176-1130-1 0176-1131-3 0176-1132-5 0176-1126-1 0176-1133-7 0176-1007-4 0176-1134-9 0176-1127-2 0176-1128-4 0176-1129-6 0176-1135-1 0176-1136-3 0176-1137-5 0176-1138-7 0176-1102-6 0176-1139-9	2A Fixed Output LDO Regulators 2A Fixed Output LDO Regulators 2A Fixed Output LDO Regulators 1A Fixed Output LDORegulators 2A Fixed Output LDO Regulators 1A Fixed Output LDO Regulators 2A Fixed Output LDO Regulators 1A Fixed Output LDO Regulators 1A Fixed Output LDO Regulators 1A Fixed Output LDO Regulators 2A Fixed Output LDO Regulators 1A Fixed Output LDO Regulators 1A Fixed Output LDO Regulators 2A Fixed Output LDO Regulators 1A Fixed Output LDO Regulators 2A Fixed Output LDO Regulators	Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed Positive Fixed	Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator Linear LDO Regulator	1.5V 1.8V 2.5V 3.3V 3.3V 5V 5V 7V 8V 9V 9V 10V 12V 12V 15V 16V	2A 2A 2A 1A 2A 1A 2A 1A 1A 1A 2A 1A 1A 2A 1A 2A	35V 35V 35V 35V 35V 35V 35V 35V 35V 35V 35V 35V 35V 35V 35V 35V	+/-1% +/-1% +/-1% +/-2% +/-1% +/-1% +/-1% +/-2% +/-2% +/-2% +/-1% +/-2% +/-2% +/-1% +/-2% +/-1%	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM

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• **Positive Fixed Low-Dropout Linear Regulator(LDO)** Continued...

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 TO-92	MCP1702-1802E/TO	0035-0921-5	250 mA Low Quiescent Current LDO Regulator	Positive Fixed	Linear LDO Regulator	1.8V	0.25A	13.2V	+/-2%	MICROCHIP
	MCP1702-2502E/TO	0035-1507-1	250 mA Low Quiescent Current LDO Regulator	Positive Fixed	Linear LDO Regulator	2.5V	0.25A	13.2V	+/-2%	MICROCHIP
	MCP1702-3002E/TO	0035-0923-1	250 mA Low Quiescent Current LDO Regulator	Positive Fixed	Linear LDO Regulator	3V	0.25A	13.2V	+/-2%	MICROCHIP
	LP2950L-33-T92-R	0282-0054-8	100 mA Low-Dropout Voltage Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.1A	30V	+/-2%	UTC
	MCP1702-3302E/TO	0035-0825-2	250 mA Low Quiescent Current LDO Regulator	Positive Fixed	Linear LDO Regulator	3.3V	0.25A	13.2V	+/-2%	MICROCHIP
	TA78L015AP	0087-0181-3	Three-Terminal Positive Regulators	Positive Fixed	Linear LDO Regulator	15V	0.15A	35V	+/-4%	TOSHIBA

• **Adjustable Linear Regulator**

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 D2PAK-2 (TO-263)	LM317D2T-TR	0083-0367-5	1.2V to 37V Voltage Regulator	Adjustable	Linear Regulator	1.2 ~ 37V	1.5A	40V	+/-4%	ST MICRO
 TO-220-3	LM317TG	0235-0181-7	1.5A Adjustable Output, Positive Voltage Regulator	Adjustable	Linear Regulator	1.2 ~ 37V	1.5A	40V	+/-4%	ON SEMI
	LM317T/NOPB	0078-0347-4	3-Terminal Adjustable Regulator	Adjustable	Linear Regulator	1.2 ~ 37V	1.5A	40V	+/-4%	TEXAS
	LM317T-DG	0083-0465-4	1.2V to 37V Voltage Regulator	Adjustable	Linear Regulator	1.2 ~ 37V	1.5A	40V	+/-4%	ST MICRO
	LM350T/NOPB	0078-0212-2	3-Amp Adjustable Regulators	Adjustable	Linear Regulator	1.2 ~ 33V	3A	35V	+/-4%	TEXAS
	TL783CKCSE3	0086-0593-6	High-Voltage Adjustable Regulator	Adjustable	Linear Regulator	1.25 ~ 125V	0.7A	125V	+/-5%	TEXAS
	LM317T	0083-0315-9	1.2V to 37V Voltage Regulaor	Adjustable	Linear Regulator	1.25 ~ 37V	1.5A	40V	+/-4%	ST MICRO
 TO-220-5	L200CV	0083-0060-9	Adjustable Voltage and Current Regulator	Adjustable	Linear Regulator	2.85 ~ 36V	2A	40V	+/-5%	ST MICRO
 TO-3	LM338K-ST	0083-0260-9	Three-Terminal Adjustable Voltage Regulators	Adjustable	Linear Regulator	1.2 ~ 37V	5A	-	+/-4%	ST MICRO

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• **Adjustable Linear Regulator** Continued...

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 TO-92	LM317LZX	0123-0548-1	3-Terminal 0.1A Positive Adjustable Regulator	Adjustable	Linear Regulator	1.2 ~ 37V	0.1A	40V	+/-4%	FAIRCHILD
	LM317LZ	0123-0589-0	3-Terminal 0.1A Positive Adjustable Regulator	Adjustable	Linear Regulator	1.2 ~ 37V	0.1A	40V	+/-4%	FAIRCHILD

• **Positive Fixed Linear Regulator**

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 D2PAK-2 (TO-263)	L7805CD2T-TR	0083-0332-8	Positive Voltage Regulator	Positive Fixed	Linear Regulator	5V	1.5A	35V	+/-4%	ST MICRO
 DPAK (TO-252)	BA78M05FP-E2	0176-0128-4	500mA Output 78 Series Regulators	Positive Fixed	Linear Regulator	5V	0.5A	35V	+/-4%	ROHM
	BA178M05FP-E2	0176-0504-4	Three-Terminal Regulator	Positive Fixed	Linear Regulator	5V	0.5A	35V	+/-4%	ROHM
	BA17805FP-E2	0176-0506-1	Three-Terminal Regulator	Positive Fixed	Linear Regulator	5V	1A	35V	+/-4%	ROHM
	BA78M12FP-E2	0176-0129-7	500mA Output 78 Series Regulators	Positive Fixed	Linear Regulator	12V	0.5A	35V	+/-1%	ROHM
	BA178M12FP-E2	0176-0505-7	Three-Terminal Regulator	Positive Fixed	Linear Regulator	12V	0.5A	35V	+/-4%	ROHM
	BA17812FP-E2	0176-0507-3	Three-Terminal Regulator	Positive Fixed	Linear Regulator	12V	1A	35V	+/-4%	ROHM
 PDIP-8	MAX663CPA+	0126-0074-7	Dual Mode 5V/Programmable Voltage Regulators	Positive Fixed	Linear Regulator	5V	40mA	16.5V	+/-5%	MAXIM
 SOIC-8	L78L33ACD13TR	0083-0464-1	Positive Voltage Regulator	Positive Fixed	Linear Regulator	3.3V	0.1A	30V	+/-5%	ST MICRO
	MC78L05ACDR2G	0235-0393-7	100 mA Positive Voltage Regulators	Positive Fixed	Linear Regulator	5V	0.1A	30V	+/-4%	ON SEMI
	L78L05ACD13TR	0083-0325-3	Positive voltage regulators	Positive Fixed	Linear Regulator	5V	0.1A	30V	+/-5%	ST MICRO
	L78L12ACD13TR	0083-0351-3	Positive Voltage Regulator	Positive Fixed	Linear Regulator	12V	0.1A	35V	+/-5%	ST MICRO
	L78L15ACD13TR	0083-0333-1	Positive Voltage Regulator	Positive Fixed	Linear Regulator	15V	0.1A	35V	+/-5%	ST MICRO

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• **Positive Fixed Linear Regulator** Continued...

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 SOT-89	NJM78L03UA-TE1#ZZZB	0131-0025-3	3-Terminal Positive Voltage Regulator	Positive Fixed	Linear Regulator	3V	0.1A	30V	+/-5%	NJR/JRC
	NUM78L05UA-TE1#ZZZB	0131-0018-8	3-Terminal Positive Voltage Regulator	Positive Fixed	Linear Regulator	5V	0.1A	30V	+/-5%	NJR/JRC
	L78L05ACUTR	0083-0352-6	Positive Voltage Regulator	Positive Fixed	Linear Regulator	5V	0.1A	30V	+/-5%	ST MICRO
	L78L12ACUTR	0083-0353-9	Positive Voltage Regulator	Positive Fixed	Linear Regulator	12V	0.1A	35V	+/-5%	ST MICRO
 TO-220F-3	KIA7805API/P	0136-0168-8	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	5V	1A	35V	+/-4%	KEC
	KIA7808API/P	0136-0216-7	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	8V	1A	35V	+/-4%	KEC
	KIA7809API-U/P	0136-0308-4	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	9V	1A	35V	+/-4%	KEC
	KIA7810API/P	0136-0242-7	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	10V	1A	35V	+/-4%	KEC
	KIA7812API/P	0136-0218-3	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	12V	1A	35V	+/-4%	KEC
	KIA7815API/P	0136-0251-8	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	15V	1A	35V	+/-4%	KEC
	KIA7818API/P	0136-0221-6	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	18V	1A	40V	+/-4%	KEC
 TO-220-3	KIA7824API/P	0136-0252-1	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	24V	1A	40V	+/-4%	KEC
	MC7805CTG	0235-0132-0	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	5V	1A	35V	+/-4%	ON SEMI
	MC7805ACTG	0235-0165-1	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	5V	1A	35V	+/-2%	ON SEMI
	L7805CV	0083-0291-4	Positive voltage regulator ICs	Positive Fixed	Linear Regulator	5V	1.5A	35V	+/-4%	ST MICRO
	L7805CV-DG	0083-0456-3	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	5V	1.5A	35V	+/-4%	ST MICRO
	MC7806CTG	0235-0308-6	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	6V	1A	35V	+/-4%	ON SEMI
	L7806CV-DG	0083-0483-6	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	6V	1.5A	35V	+/-4%	ST MICRO
	MC7808CTG	0235-0309-9	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	8V	1A	35V	+/-4%	ON SEMI
	L7808CV-DG	0083-0466-7	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	8V	1.5A	35V	+/-4%	ST MICRO
	MC7809CTG	0235-0374-2	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	9V	1A	35V	+/-4%	ON SEMI
	L7809CV-DG	0083-0463-8	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	9V	1.5A	35V	+/-4%	ST MICRO
	KA7810ETU	0123-0462-6	3-Terminal 1A Positive Voltage Regulator	Positive Fixed	Linear Regulator	10V	1A	35V	+/-4%	FAIRCHILD
	MC7812CTG	0235-0196-6	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	12V	1A	35V	+/-4%	ON SEMI
	L7812CV	0083-0292-7	Positive voltage regulator ICs	Positive Fixed	Linear Regulator	12V	1.5A	35V	+/-4%	ST MICRO
	L7812CV-DG	0083-0496-9	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	12V	1.5A	35V	+/-4%	ST MICRO
	MC7815CTG	0235-0200-7	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	15V	1A	35V	+/-4%	ON SEMI
	L7815CV-DG	0083-0484-9	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	15V	1.5A	35V	+/-4%	ST MICRO
	MC7818CTG	0235-0311-9	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	18V	1A	35V	+/-4%	ON SEMI
	KA7818TU	0123-0317-6	3-Terminal 1A Positive Voltage Regulator	Positive Fixed	Linear Regulator	18V	1A	40V	+/-4%	FAIRCHILD
	L7818CV	0083-0303-9	Positive voltage regulator ICs	Positive Fixed	Linear Regulator	18V	1.5A	35V	+/-4%	ST MICRO
	L7818CV-DG	0083-0500-1	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	18V	1.5A	35V	+/-4%	ST MICRO
 TO-220F-3	MC7824CTG	0235-0255-2	1.0A Positive Voltage Regulators	Positive Fixed	Linear Regulator	24V	1A	40V	+/-4%	ON SEMI
	L7824CV-DG	0083-0478-7	Positive Voltage Regulator ICs	Positive Fixed	Linear Regulator	24V	1.5A	40V	+/-4%	ST MICRO
 TO-220F-3	BA7805CP-E2	0176-0126-8	1A Output 78 Series Regulators	Positive Fixed	Linear Regulator	5V	1A	35V	+/-4%	ROHM
	BA7812CP-E2	0176-0127-1	1A Output 78 Series Regulators	Positive Fixed	Linear Regulator	12V	1A	35V	+/-4%	ROHM

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• **Positive Fixed Linear Regulator** Continued...

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 TO-92L	KIA78L05BP-AT/P	0136-0171-1	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	5V	0.15A	35V	+/-4%	KEC
	KIA78L15BP-AT/P	0136-0323-7	Three Terminal Positive Voltage Regulators	Positive Fixed	Linear Regulator	15V	0.15A	35V	+/-4%	KEC
 TO-92	MC78L12ACPRPG	0235-0146-6	100mA Positive Voltage Regulators	Positive Fixed	Linear Regulator	12V	0.1A	35V	+/-4%	ON SEMI
	L78L12ACZ	0083-0283-6	Positive voltage regulators	Positive Fixed	Linear Regulator	12V	0.1A	35V	+/-5%	ST MICRO
	MC78L15ACPRPG	0235-0235-4	100mA Positive Voltage Regulators	Positive Fixed	Linear Regulator	15V	0.1A	35V	+/-4%	ON SEMI
	MC78L15ACPX	0123-0658-1	3-Terminal 0.1A Positive Voltage Regulator	Positive Fixed	Linear Regulator	15V	0.1A	35V	+/-5%	FAIRCHILD
	L78L33ACZTR	0083-0506-8	Positive Voltage Regulator	Positive Fixed	Linear Regulator	3.3V	0.1A	30V	+/-5%	ST MICRO
	L78L05ACZ	0083-0285-2	Positive voltage regulators	Positive Fixed	Linear Regulator	5V	0.1A	30V	+/-5%	ST MICRO
	L78L06ACZ-AP	0083-0434-9	Positive Voltage Regulator	Positive Fixed	Linear Regulator	6V	0.1A	30V	+/-5%	ST MICRO
	MC78L08ACPRPG	0235-0233-8	100mA Positive Voltage Regulators	Positive Fixed	Linear Regulator	8V	0.1A	30V	+/-4%	ON SEMI
	L78L08ACZ	0083-0309-7	Positive voltage regulators	Positive Fixed	Linear Regulator	8V	0.1A	30V	+/-5%	ST MICRO
	L78L09ACZ-TR	0083-0492-7	Positive Voltage Regulator	Positive Fixed	Linear Regulator	9V	0.1A	30V	+/-5%	ST MICRO
	MC78L09ACPG	0235-0234-1	100mA Positive Voltage Regulators	Positive Fixed	Linear Regulator	9V	0.1A	35V	+/-4%	ON SEMI

• **Negative Fixed Linear Regulator**

	MFR Part Number	ES-P/N	Description	Regulator Topology	Regulator Type	Output Voltage	Output Current	Input Voltage (Max)	Tolerance	MFR
 TO-220F-3	KIA7924PI/P	0136-0263-8	1A Three Terminal Negative Voltage Regulators	Negative Fixed	Linear Regulator	-24V	1A	-40V	+/-4%	KEC
	KIA7918PI/P	0136-0262-5	1A Three Terminal Negative Voltage Regulators	Negative Fixed	Linear Regulator	-18V	1A	-35V	+/-4%	KEC
	KIA7906PI/P	0136-0253-4	1A Three Terminal Negative Voltage Regulators	Negative Fixed	Linear Regulator	-6V	1A	-35V	+/-4%	KEC
	KIA7905PI	0136-0090-1	1A Three Terminal Negative Voltage Regulators	Negative Fixed	Linear Regulator	-5V	1A	-35V	+/-4%	KEC
	KIA7905PI/P	0136-0235-2	1A Three Terminal Negative Voltage Regulators	Negative Fixed	Linear Regulator	-5V	1A	-35V	+/-4%	KEC
	KIA7905P	0136-0029-0	1A Three Terminal Negative Voltage Regulators	Negative Fixed	Linear Regulator	-5V	1A	-35V	+/-4%	KEC
 TO-220-3	MC7918CTG	0235-0153-1	1.0A Negative Voltage Regulators	Negative Fixed	Linear Regulator	-18V	1A	-35V	+/-4%	ON SEMI
	MC7915CTG	0235-0256-5	1.0A Negative Voltage Regulators	Negative Fixed	Linear Regulator	-15V	1A	-35V	+/-4%	ON SEMI
	L7915CV-DG	0083-0481-1	Negative Voltage Regulators	Negative Fixed	Linear Regulator	-15V	1.5A	-35V	+/-4%	ST MICRO
	MC7912CTG	0235-0330-4	1.0A Negative Voltage Regulators	Negative Fixed	Linear Regulator	-12V	1A	-35V	+/-4%	ON SEMI
	L7912CV-DG	0083-0479-1	Negative Voltage Regulators	Negative Fixed	Linear Regulator	-12V	1.5A	-35V	+/-4%	ST MICRO
	KA7909TU	0123-0357-2	3-Terminal 1A Negative Voltage Regulator	Negative Fixed	Linear Regulator	-9V	1A	-35V	+/-4%	FAIRCHILD
	MC7905CTG	0235-0254-9	1.0A Negative Voltage Regulators	Negative Fixed	Linear Regulator	-5V	1A	-35V	+/-4%	ON SEMI
	L7905CV-DG	0083-0462-5	Negative Voltage Regulators	Negative Fixed	Linear Regulator	-5V	1.5A	-35V	+/-4%	ST MICRO
 TO-92	MC79L05ACPRPG	0235-0192-4	100mA Positive Voltage Regulators	Negative Fixed	Linear Regulator	-5V	0.1A	-30V	+/-4%	ON SEMI
	MC79L12ACPRPG	0235-0372-6	100 mA Negative Voltage Regulators	Negative Fixed	Linear Regulator	-5V	0.1A	-30V	+/-4%	ON SEMI

Supervisors

MFR Part Number	ES Part Number	Description	Detection Voltage/ Threshold Voltage	Reset	Output	Package/Case	MFR
BD48L23G-TL	0176-0195-3	Standard CMOS Voltage Detector IC	2.3V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L24G-TL	0176-0196-6	Standard CMOS Voltage Detector IC	2.4V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K25G-TL	0176-0161-9	Standard CMOS Voltage Detector IC	2.5V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L25G-TL	0176-0197-9	Standard CMOS Voltage Detector IC	2.5V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L26G-TL	0176-0198-2	Standard CMOS Voltage Detector IC	2.6V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L27G-TL	0176-0199-5	Standard CMOS Voltage Detector IC	2.7V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L28G-TL	0176-0200-7	Standard CMOS Voltage Detector IC	2.8V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L29G-TL	0176-0201-1	Standard CMOS Voltage Detector IC	2.9V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD4830G-TR	0176-0169-3	Standard CMOS Voltage Detector IC	3V	Active Low	Open Drain	SSOP-5(SOT-23-5)	ROHM
BD48K30G-TL	0176-0162-2	Standard CMOS Voltage Detector IC	3V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L30G-TL	0176-0202-3	Standard CMOS Voltage Detector IC	3V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K31G-TL	0176-0179-7	Standard CMOS Voltage Detector IC	3.1V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L31G-TL	0176-0203-6	Standard CMOS Voltage Detector IC	3.1V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD4833G-TR	0176-0233-8	Standard CMOS Voltage Detector IC	3.3V	Active Low	Open Drain	SSOP-5(SOT-23-5)	ROHM
BD48K33G-TL	0176-0180-4	Standard CMOS Voltage Detector IC	3.3V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L33G-TL	0176-0204-9	Standard CMOS Voltage Detector IC	3.3V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD4834G-TR	0176-0170-1	Standard CMOS Voltage Detector IC	3.4V	Active Low	Open Drain	SSOP-5(SOT-23-5)	ROHM
BD48K35G-TL	0176-0181-7	Standard CMOS Voltage Detector IC	3.5V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L35G-TL	0176-0205-2	Standard CMOS Voltage Detector IC	3.5V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K36G-TL	0176-0182-1	Standard CMOS Voltage Detector IC	3.6V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L36G-TL	0176-0206-5	Standard CMOS Voltage Detector IC	3.6V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K37G-TL	0176-0183-3	Standard CMOS Voltage Detector IC	3.7V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L37G-TL	0176-0207-8	Standard CMOS Voltage Detector IC	3.7V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L38G-TL	0176-0208-1	Standard CMOS Voltage Detector IC	3.8V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K40G-TL	0176-0185-9	Standard CMOS Voltage Detector IC	4V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L40G-TL	0176-0209-4	Standard CMOS Voltage Detector IC	4V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K41G-TL	0176-0186-2	Standard CMOS Voltage Detector IC	4.1V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L41G-TL	0176-0210-1	Standard CMOS Voltage Detector IC	4.1V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K42G-TL	0176-0163-5	Standard CMOS Voltage Detector IC	4.2V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L42G-TL	0176-0211-4	Standard CMOS Voltage Detector IC	4.2V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K43G-TL	0176-0187-5	Standard CMOS Voltage Detector IC	4.3V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L43G-TL	0176-0212-7	Standard CMOS Voltage Detector IC	4.3V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L44G-TL	0176-0213-1	Standard CMOS Voltage Detector IC	4.4V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD4845G-TR	0176-0172-6	Standard CMOS Voltage Detector IC	4.5V	Active Low	Open Drain	SSOP-5(SOT-23-5)	ROHM
BD48L45G-TL	0176-0214-3	Standard CMOS Voltage Detector IC	4.5V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K46G-TL	0176-0190-8	Standard CMOS Voltage Detector IC	4.6V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L46G-TL	0176-0215-6	Standard CMOS Voltage Detector IC	4.6V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K47G-TL	0176-0191-1	Standard CMOS Voltage Detector IC	4.7V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L47G-TL	0176-0216-9	Standard CMOS Voltage Detector IC	4.7V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K50G-TL	0176-0192-4	Standard CMOS Voltage Detector IC	5V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48L50G-TL	0176-0217-2	Standard CMOS Voltage Detector IC	5V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K58G-TL	0176-0193-7	Standard CMOS Voltage Detector IC	5.8V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
BD48K60G-TL	0176-0194-1	Standard CMOS Voltage Detector IC	6V	Active Low	Open Drain	SSOP-3(SOT-23-3)	ROHM
DS1232LP+	0067-0069-8	MicroMonitor Chip	4.37 V, 4.62 V	Active High/Active Low	Open Drain/Push-Pull	PDIP-8	DALLAS
DS1232LPS-2+T	0067-0100-2	Low Power MicroMonitor Chip	4.37 V, 4.62 V	Active High/Active Low	Open Drain/Push-Pull	SOIC-8	DALLAS
DS1233D-10+	0067-0058-1	5V EconoReset	4.375 V	Active Low	Open Drain	TO-92	DALLAS
DS1833-10+T/R	0067-0099-0	5V EconoReset	4.375 V	Active High	Push-Pull/Push-Pull	TO-92	DALLAS
KIA7042AP-AT/P	0136-0357-1	Voltage Detector	4.2V	Active Low	-	TO-92	KEC
KIA7045AF-RTF/P	0136-0283-6	Voltage Detector	4.5V	Active Low	-	SOT-89	KEC
MAX1232CPA+	0126-0044-5	Microprocessor Monitor	4.37 V, 4.62 V	Active High/Active Low	Open Drain	PDIP-8	MAXIM

Continued...

• **Supervisors** Continued...

MFR Part Number	ES Part Number	Description	Detection Voltage/ Threshold Voltage	Reset	Output	Package/Case	MFR
MAX1232ESA+T	0126-0089-6	Microprocessor Monitor	4.37 V, 4.62 V	Active High/Active Low	Open Drain/Collector	SOIC-8	MAXIM
MAX691CPE+	0126-0042-9	Microprocessor Supervisory Circuit	4.65V	Active High/Active Low	Push-Pull/Push-Pull	PDIP-16	MAXIM
MCP121T-300E/LB	0035-0948-4	Micropower Voltage Supervisors	2.93V	Active Low	Open Drain	SOT-23	MICROCHIP
MCP130-450HI/TO	0035-0654-1	Microcontroller Supervisory Circuit with Open Drain Output	4.5V	Active Low	Open Drain	TO-92	MICROCHIP
MCP1321T-29LE/OT	0035-1028-7	Voltage Supervisor	2.9V	Active Low	Open Drain	SOT-23-5	MICROCHIP
TC1232CPA	0035-0487-2	Microprocessor Monitor	4.37V,4.62V	Active High/Active Low	Open Drain	PDIP-8	MICROCHIP
TC1232CPA-TW	0035-0752-0	Microprocessor Monitor	4.37V,4.62V	Active High/Active Low	Open Drain	PDIP-8	MICROCHIP
TL7705ACP	0086-0192-3	Supply-Voltage Supervisors	4.55V	Active High/Active Low	True & Complement	PDIP-8	TEXAS

Voltage References

MFR Part Number	ES Part Number	Description	Voltage Reference	Tolerance	Temperature Coefficient	Package/Case	MFR
LM334Z/NOPB	0078-0238-8	3-Terminal Adjustable Current Sources	-	+/-3%	-	TO-92	TEXAS
MC1403DR2G	0235-0154-4	Precision Low Voltage Reference	2.5V	+/-1%	40ppm/°C	SOIC-8	ON SEMI
AD580JH	0127-0082-2	High Precision, 2.5 V IC Reference	2.500V	+/-0.4%	85ppm/°C	TO-52	ANALOG
REF195GSZ-REEL7	0127-0063-7	Precision Micropower, Low Dropout Voltage References	5V	-	25ppm/°C	SOIC-8	ANALOG
LM385Z-1.2/NOPB	0078-0190-3	Micropower Voltage Reference Diode	1.235V	+/-2%	150ppm/°C	TO-92	TEXAS
LM336M-2.5/NOPB	0078-0224-2	Reference Diode	2.490V	+/-4%	20ppm/°C	SOIC-8	TEXAS
LM336Z-2.5/NOPB	0078-0286-2	Reference Diode	2.490V	+/-4%	20ppm/°C	TO-92	TEXAS
LM336Z-5.0/NOPB	0078-0272-6	5.0V Reference Diode	5.00V	+/-4%	20ppm/°C	TO-92	TEXAS
LMV431ACM5/NOPB	0086-0744-1	Adjustable Precision Shunt Regulators	1.24 ~ 30V	+/-1%	39ppm/°C	SOT-23-5	TEXAS
TL431CPK	0086-0523-8	Adjustable Precision Shunt Regulators	2.495V	+/-2%	30ppm/°C	SOT-89	TEXAS
TL431ACDR	0086-0602-2	Adjustable Precision Shunt Regulators	2.495V	+/-1%	34ppm/°C	SOIC-8	TEXAS
TL431ACLPRE3	0086-0453-5	Adjustable Precision Shunt Regulators	2.495V	+/-1%	50ppm/°C	TO-92	TEXAS
TL431ACLPPE3	0086-0612-6	Adjustable Precision Shunt Regulators	2.495V	+/-1%	50ppm/°C	TO-92	TEXAS

RMS-to-DC Converters

MFR Part Number	ES Part Number	Description	Package/Case	MFR
AD737JRZ	0127-0049-7	True RMS-to-DC Converter	SOIC-8	ANALOG
AD737JNZ	0127-0056-2	True RMS-to-DC Converter	PDIP-8	ANALOG
AD737JRZ-R7	0127-0081-9	True RMS-to-DC Converter	SOIC-8	ANALOG

Power Distribution Switches, Load Drivers

MFR Part Number	ES Part Number	Description	Package/Case	MFR
TPS2041BDGN	0086-0489-5	Current-Limited, Power Distribution Switches	MSOP-8	TEXAS
TPS2041BDGNR	0086-0628-8	Current-Limited, Power Distribution Switches	MSOP-8	TEXAS
UDN2981A-T	0133-0040-0	8-Channel Source Drivers	PDIP-18	ALLEGRO
RT9728AHGE	1121-0001-9	1.3A Power Switch with Programmable Current Limit	SOT-23-6	RICHTEK

Battery Management

MFR Part Number	ES Part Number	Description	Package/Case	MFR
TEA1101P	0016-0046-4	Battery Monitor for NiCd and NiMH Chargers	PDIP-16	PHILIPS/NXP
MCP73831T-2ACI/OT	0035-1499-8	Li-Ion, Li-Polymer Charge Management Controllers	SOT-23-5	MICROCHIP
DS1210+	0067-0082-5	Nonvolatile Controller Chip	PDIP-8	DALLAS

PFC Controllers

MFR Part Number	ES Part Number	Description	Package/Case	MFR
UCC3818N	0086-0527-0	BiCMOS Power Factor Preregulator	PDIP-16	TEXAS
FAN7527BN	0123-0354-3	Power Factor Correction Controller	PDIP-8	FAIRCHILD
IR1153STRPBF	0129-0173-1	Fixed Frequency, uPFC One Cycle Control, Brown-Out Protection	SOIC-8	IR
TCA785	0227-0001-6	Phase Control IC	PDIP-16	INFINEON
TDA4863-2G	0227-0025-6	PFC IC for High Power Factor and Low THD	SOIC-8	INFINEON
MC33262PG	0235-0260-1	Power Factor Controllers	PDIP-8	ON SEMI

RF IC

MFR Part Number	ES Part Number	Description	Package/Case	MFR
TA2003L-D16-T	0282-0091-5	AM/ FM Radio IC	PDIP-16	UTC
TDA7088L-S16-R	0282-0058-0	FM Receiver Circuit for Battery Supply	SOP-16	UTC
U2270B-MFPY	0065-0216-5	RFID Read/Write Base Station	SOIC-16	ATMEL
AS3991	0350-0015-6	UHF RFID Reader EPC Class1 Gen2 Compatible	QFN-64	AMS
AS3910-BQFT	0350-0024-7	13.56 MHz RFID Reader IC, ISO-14443 A/B	QFN-32	AMS
AS3992-BQFP	0350-0025-0	UHF RFID Reader EPC Class1 Gen2 Compatible	QFN-64	AMS
AS3990-BQFT	0350-0048-7	UHF RFID Reader EPC Class1 Gen2 Compatible	QFN-64	AMS
AS3911-BQFT	0350-0058-1	NFC Initiator / HF Reader IC	QFN-32	AMS
MRF89XAT-I/MQ	0035-1261-2	Ultra Low-Power, ISM Band Sub-GHz Transceiver	QFN-32	MICROCHIP
AS3940-BQFT	0350-0073-4	2.4 GHz Low Power Multi-Channel FSK Transceiver	QFN-32	AMS

Specialized Function IC

MFR Part Number	ES Part Number	Description	Package/Case	MFR
SVM7560MOB	0057-0002-5	Melody IC - Beauty and The Beast,A Whole New World	SOP-8	EPSON
UM66T32LK-T92-K	0282-0052-2	Melody IC - Coo Coo Waltz	TO-92	UTC
UM66T32L	0282-0008-0	Melody IC - Coo Coo Waltz	TO-92	UTC
UM66T19LK-T92-K	0282-0064-2	Melody IC - For Alice	TO-92	UTC
UM66T05LK-T92-K	0282-0066-8	Melody IC - Home Sweet Home	TO-92	UTC
UM66T05L-T/R	0282-0017-1	Melody IC - Home Sweet Home	TO-92	UTC
UM66T05LK	0282-0029-1	Melody IC - Home Sweet Home	TO-92	UTC
M66T-68-L3	0130-0007-4	Melody IC - Small World	TO-92-3L	MOSDESIGN
TNS010-LQ-V4	0310-0004-7	TCP/IP Stack Chip Support TCP/IP,HTTP,PPP,DNS	LQFP-44	TRONIC SERVE

Transistor Arrays

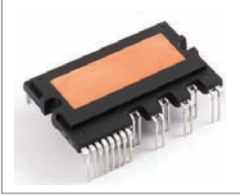
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ULN2068B	0083-0168-8	4	50V	1.5A	NPN	PDIP-16	ST MICRO
ULN2065B	0083-0144-8	4	80V	1.5A	NPN	PDIP-16	ST MICRO
ULN2003ADR	0086-0169-2	7	50V	500mA	NPN	SOIC-16	TEXAS
ULN2003AN	0086-0296-0	7	50V	500mA	NPN	PDIP-16	TEXAS
ULN2004AN	0086-0405-1	7	50V	500mA	NPN	PDIP-16	TEXAS
ULN2003APG	0087-0092-5	7	50V	500mA	NPN	PDIP-16	TOSHIBA
ULN2004APG	0087-0162-8	7	50V	500mA	NPN	PDIP-16	TOSHIBA
KID65003AP	0136-0032-3	7	50V	500mA	NPN	PDIP-16	KEC
BA12003BF-E2	0176-0092-9	7	60V	500mA	NPN	SOIC-16	ROHM
STA402A	0139-0001-9	7	50V	3A	PNP	SIP-10	SANKEN
ULN2803A	0083-0137-3	8	50V	500mA	NPN	PDIP-18	ST MICRO
ULN2804A	0083-0314-6	8	50V	500mA	NPN	PDIP-18	ST MICRO
ULN2803ADWR	0086-0359-8	8	50V	500mA	NPN	SOIC-18	TEXAS
ULN2803AP-G	0087-0139-7	8	50V	500mA	NPN	PDIP-18	TOSHIBA
ULN2803AFWG(C,ELHA	0087-0240-9	8	50V	500mA	NPN	SOIC-18	TOSHIBA

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Power Module

Smart Power Module 3-1

Smart Power Module

	MFR Part Number	ES Part Number	Description	MFR
 SPM23AC	FSB50325T	0123-0572-5	3A Smart Power Module	FAIRCHILD
 HSDIP25	BM63363S-VA	0176-1109-1	600V IGBT IPM for low speed switching drive	ROHM
 SPM27-JA	FSBF10CH60BT	0123-0523-8	10A Smart Power Module	FAIRCHILD
 HSDIP25	BM63364S-VA	0176-1108-8	600V IGBT IPM for low speed switching drive	ROHM
 SPM27-GC	FPDB40PH60B	0123-0614-2	PFC SPM 3 Series for 2-Phase Bridgeless PFC	FAIRCHILD
 S32DA-032	FSAM75SM60A	0123-0604-8	Motion SPM 2 Series	FAIRCHILD

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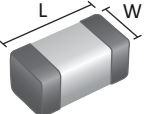
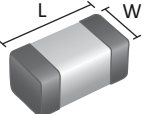
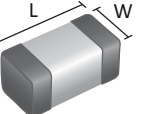
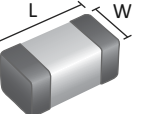
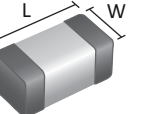
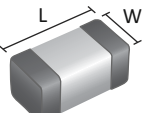
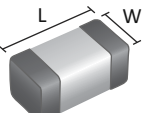
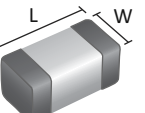
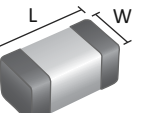
Capacitors

Ceramic Capacitors	8-1
Electrolytic Capacitors	8-10
Film Capacitors	8-28
Super Capacitors	8-36
Tantalum Capacitors	8-38



Multilayer Ceramic Capacitors (MLCC)

• Chip Capacitors

0402 (1005)  LxW 0.04x0.02 inch LxW 1.0x0.5 mm	0603 (1608)  LxW 0.06x0.03 inch LxW 1.6x0.8 mm	0805 (2012)  LxW 0.08x0.05 inch LxW 2.0x1.2 mm	1206 (3216)  LxW 0.12x0.06 inch LxW 3.2x1.6 mm	1210 (3225)  LxW 0.12x0.10 inch LxW 3.2x2.5 mm
1808 (4520)  LxW 0.18x0.08 inch LxW 4.5x2.0 mm	1812 (4532)  LxW 0.18x0.12 inch LxW 4.5x3.2 mm	2211 (5728)  LxW 0.22x0.11 inch LxW 5.7x2.8 mm	2220 (5750)  LxW 0.22x0.20 inch LxW 5.7x5.0 mm	

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
201R14S0R2AV4T	0493-0004-1	0.2pF	200V	0603 (1608)	COG (NPO)	+/-0.05pF	TAPE & REEL	JOHANSON
201R14S0R3BV4T	0493-0005-4	0.3pF	200V	0603 (1608)	COG (NPO)	+/-0.1pF	TAPE & REEL	JOHANSON
0402N1R0B500LT	0328-0077-8	1pF	50V	0402 (1005)	COG (NPO)	+/-0.1pF	TAPE & REEL	WALSIN
0402N1R5B500LT	0328-0078-1	1.5pF	50V	0402 (1005)	COG (NPO)	+/-0.1pF	TAPE & REEL	WALSIN
0402N1R8B500LT	0328-0079-4	1.8pF	50V	0402 (1005)	COG (NPO)	+/-0.1pF	TAPE & REEL	WALSIN
UVK105CH2R2JW-F	0033-0010-9	2.2pF	50V	0402 (1005)	COH	+/-5%	TAPE & REEL	TAIYO YUDEN
CC0603CRNP09BN3R3	0151-0405-1	3.3pF	50V	0603 (1608)	COG (NPO)	+/-0.25pF	TAPE & REEL	YAGEO
201R14S3R9BV4T	0493-0011-6	3.9pF	200V	0603 (1608)	COG (NPO)	+/-0.1pF	TAPE & REEL	JOHANSON
201R14S5R6CV4T	0493-0012-9	5.6pF	200V	0603 (1608)	COG (NPO)	+/-0.25pF	TAPE & REEL	JOHANSON
U0603C5R6CNT	0575-0003-5	5.6pF	50V	0603 (1608)	COG (NPO)	+/-2.5pF	TAPE & REEL	PAN OVERSEAS
GRM1555C1H100JZ01D	0160-0101-5	10pF	50V	0402 (1005)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM1555C1H100JA01D	0160-0158-6	10pF	50V	0402 (1005)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
CL10C100JB8NNNC	0082-0168-1	10pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	SAMSUNG
0805A100JAT2A	0092-0135-8	10pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	AVX
C0603C120J5GACTU	0306-0172-8	12pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	KEMET
C0603C120J5GACTU-CT	0306-0177-3	12pF	50V	0603 (1608)	COG (NPO)	+/-5%	CUT TAPE	KEMET
C0805C150J5GACTU	0306-0133-5	15pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	KEMET
C0805C150J5GACTU-CT	0306-0136-4	15pF	50V	0805 (2012)	COG (NPO)	+/-5%	CUT TAPE	KEMET
GRM1885C1H160FA01D-CT	0160-0134-6	16pF	50V	0603 (1608)	COG (NPO)	+/-1%	CUT TAPE	MURATA
500R07S180GV4T	0493-0023-6	18pF	50V	0402 (1005)	COG (NPO)	+/-2%	TAPE & REEL	JOHANSON
0805A180JAT2A	0092-0244-4	18pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	AVX
0805A180JAT2A-CT	0092-0301-4	18pF	50V	0805 (2012)	COG (NPO)	+/-5%	CUT TAPE	AVX
CL10C200JB8NNNC	0082-0155-8	20pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	SAMSUNG
0603N200F500LT	0328-0103-3	20pF	50V	0603 (1608)	COG (NPO)	+/-1%	TAPE & REEL	WALSIN
0603N200F500LT-CT	0328-0151-7	20pF	50V	0603 (1608)	COG (NPO)	+/-1%	TAPE & REEL	WALSIN
GRM42-6C0G200J50-CT	0160-0075-0	20pF	4V	1808 (4520)	COH	+/-5%	CUT TAPE	MURATA
GRM1885C1H220JA01D	0160-0140-8	22pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
0603N220J500LT	0328-0026-5	22pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	WALSIN
0603N220J500LT-CT	0328-0058-3	22pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	WALSIN
0805A220JAT2A	0092-0035-3	22pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	AVX
0805A220JAT2A-CT	0092-0250-6	22pF	50V	0805 (2012)	COG (NPO)	+/-5%	CUT TAPE	AVX
0603N270J500LT	0328-0057-0	27pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	WALSIN
0805A270JAT2A	0092-0311-8	27pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	AVX

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• Chip Capacitors Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
CL10C300JB8NNNC	0082-0154-5	30pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	SAMSUNG
0603N300J500LT	0328-0067-4	30pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	WALSIN
0805N300J500CT	0328-0143-9	30pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	WALSIN
GCM1885C1H330JA16D	0160-0283-8	33pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
0603N330J500LT	0328-0055-4	33pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	WALSIN
C1608COG1H470J	0169-0019-1	47pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	TDK
08055A470JAT2A-CT	0092-0252-2	47pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	AVX
C0805C470J5GACTU	0306-0087-2	47pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	KEMET
GRM1885C2A470JA01D	0160-0065-6	47pF	100V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
C1608COG1H101J	0169-0015-9	100pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	TDK
C1608COG1H101J-CT	0169-0023-7	100pF	50V	0603 (1608)	COG (NPO)	+/-5%	CUT TAPE	TDK
CC0805KRX7R9BB101	0151-0409-3	100pF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	YAGEO
C0805C101J5GACTU	0306-0072-3	100pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	KEMET
251R14S101JV4T	0493-0013-2	100pF	250V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	JOHANSON
GRM31A5C2J101JW01D	0160-0368-6	100pF	630V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U2J101JW31D	0160-0378-9	100pF	630V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
GRM31A5C3A101JW01D	0160-0375-3	100pF	1000V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U3A101JW31D	0160-0385-6	100pF	1000V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
06035A151JAT2A	0092-0302-7	150pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	AVX
C0603C151J5GACTU	0306-0124-4	150pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	KEMET
GRM31A5C2J151JW01D	0160-0369-8	150pF	630V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U2J151JW31D	0160-0379-1	150pF	630V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
GRM31A5C3A151JW01D	0160-0376-5	150pF	1000V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U3A151JW31D	0160-0386-8	150pF	1000V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
CL10B181KB8NNNC	0082-0180-6	180pF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	SAMSUNG
C1005X7R1H221KT	0169-0064-6	220pF	50V	0402 (1005)	X7R	+/-10%	TAPE & REEL	TDK
C0805C221K5RACTU	0306-0146-8	220pF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	KEMET
GRM31A5C2J221JW01D	0160-0370-3	220pF	630V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U2J221JW31D	0160-0380-6	220pF	630V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
GRM31A5C3A221JW01D	0160-0377-7	220pF	1000V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U3A221JW31D	0160-0387-1	220pF	1000V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
CMC-2K0/221JN1808T	0473-0006-1	220pF	2000V	1808 (4520)	COG (NPO)	+/-5%	TAPE & REEL	TECATE
CC0805KRX7R9BB271	0151-0450-6	270pF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	YAGEO
GRM31A5C2J331JW01D	0160-0371-5	330pF	630V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U2J331JW31D	0160-0381-8	330pF	630V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
GRM31A7U3A331JW31D	0160-0388-2	330pF	1000V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
08055A391JAT2A	0092-0320-3	390pF	50V	0805 (2012)	COG (NPO)	+/-5%	TAPE & REEL	AVX
C1608X7R1H471K	0169-0032-8	470pF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	TDK
C0603C471J5GACTU	0306-0120-2	470pF	50V	0603 (1608)	COG (NPO)	+/-5%	TAPE & REEL	KEMET
CL21B471KBANNNC	0082-0149-6	470pF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	SAMSUNG
08055C471KAT2A-CT	0092-0281-1	470pF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
0805B471K251CT	0328-0112-4	470pF	250V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM31A5C2J471JW01D	0160-0372-7	470pF	630V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U2J471JW31D	0160-0382-1	470pF	630V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
GRM31B7U3A471JW31L	0160-0389-4	470pF	1000V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
06035C681KAT2A	0092-0107-2	680pF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
1206B681K501LT-CT	0328-0113-7	680pF	500V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM31B5C2J681JW01L	0160-0373-9	680pF	630V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U2J681JW31D	0160-0383-2	680pF	630V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
GRM31B7U3A681JW31L	0160-0390-9	680pF	1000V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA

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• Chip Capacitors Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
1206N821J500NT	0328-0005-4	820pF	50V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	WALSIN
1206N821J500NT-CT	0328-0031-4	820pF	50V	1206 (3216)	COG (NPO)	+/-5%	CUT TAPE	WALSIN
06035C102KAT2A	0092-0089-5	1nF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
08055C102KAT2A	0092-0002-2	1nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
08055C102KAT2A-CT	0092-0202-2	1nF	50V	0805 (2012)	X7R	+/-10%	CUT TAPE	AVX
08055C102JAT2A	0092-0277-5	1nF	50V	0805 (2012)	X7R	+/-5%	TAPE & REEL	AVX
C0805C102K5RACTU	0306-0084-3	1nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	KEMET
06031C102KAT2A	0092-0074-6	1nF	100V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
GA352QR7GF102KW01L	0160-0317-9	1nF	250Vac	2211 (5728)	X7R	+/-10%	TAPE & REEL	MURATA
1206B102K501LT	0328-0045-0	1nF	500V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
1206B102K501LT-CT	0328-0073-6	1nF	500V	1206 (3216)	X7R	+/-10%	CUT TAPE	WALSIN
GRM31AR72J102KW01D	0160-0270-9	1nF	630V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31B5C2J102JW01L	0160-0374-1	1nF	630V	1206 (3216)	COG (NPO)	+/-5%	TAPE & REEL	MURATA
GRM31A7U2J102JW31D	0160-0384-4	1nF	630V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
GRM31BR73A102KW01L	0160-0353-3	1nF	1000V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31C7U3A102JW32L	0160-0391-1	1nF	1000V	1206 (3216)	U2J	+/-5%	TAPE & REEL	MURATA
CC1812KKX7RCBB102	0151-0406-4	1nF	1000V	1812 (4532)	X7R	+/-10%	TAPE & REEL	YAGEO
GA352QR7GF152KW01L	0160-0318-1	1.5nF	250Vac	2211 (5728)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31AR72J152KW01D	0160-0349-2	1.5nF	630V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31BR73A152KW01L	0160-0354-5	1.5nF	1000V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
0603ZC222KAT2A	0092-0163-4	2.2nF	10V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
08055C222JAT2A	0092-0137-4	2.2nF	50V	0805 (2012)	X7R	+/-5%	TAPE & REEL	AVX
0805B222K500CT	0328-0040-5	2.2nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
0805B222K500CT-CT	0328-0105-9	2.2nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
GA355QR7GF222KW01L	0160-0319-3	2.2nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
1206B222K501LT	0328-0039-8	2.2nF	500V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM31AR72J222KW01D	0160-0350-7	2.2nF	630V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31BR73A222KW01L	0160-0355-7	2.2nF	1000V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
C1005X7R1H332K	0169-0021-1	3.3nF	50V	0402 (1005)	X7R	+/-10%	TAPE & REEL	TDK
C0603C332K5RACTU	0306-0118-2	3.3nF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	KEMET
GA355QR7GF332KW01L	0160-0320-8	3.3nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31AR72J332KW01D	0160-0351-9	3.3nF	630V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31BR73A332KW01L	0160-0356-9	3.3nF	1000V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
06035C472KAT2A	0092-0091-5	4.7nF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
08055C472KAT2A	0092-0059-3	4.7nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
1206B472K500CT	0328-0140-1	4.7nF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
GA355DR7GF472KW01L	0160-0321-1	4.7nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
1206B472K501CT	0328-0114-0	4.7nF	500V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM31AR72J472KW01D	0160-0352-1	4.7nF	630V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31BR73A472KW01L	0160-0357-1	4.7nF	1000V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
0603B682K500CT	0328-0025-2	6.8nF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
0603B682K500CT-CT	0328-0106-2	6.8nF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
0402B103K250CT	0328-0047-6	10nF	25V	0402 (1005)	X7R	+/-10%	TAPE & REEL	WALSIN
ECJ-1VB1E103K	0102-0073-0	10nF	25V	0603 (1608)	X7R	+/-10%	TAPE & REEL	PANASONIC
06035C103KAT2A	0092-0112-1	10nF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
GRM1885C1H103JA01D	0160-0159-9	10nF	50V	0603 (1608)	COG (NPO)	+/-5%	ROLL	MURATA
08055C103KAT2A	0092-0003-5	10nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
08055C103KAT2A-CT	0092-0203-5	10nF	50V	0805 (2012)	X7R	+/-10%	CUT TAPE	AVX
08055C103JAT2A	0092-0223-3	10nF	50V	0805 (2012)	X7R	+/-5%	TAPE & REEL	AVX
12065C103KAT2A	0092-0216-8	10nF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	AVX

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• **Chip Capacitors** Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
GA355QR7GB103KW01L	0160-0311-7	10nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31AR72J103KW01D	0160-0332-5	10nF	630V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
0805B153K251CT	0328-0028-1	15nF	250V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
GA355QR7GB153KW01L	0160-0312-9	15nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
0402B223K160CT	0328-0066-1	22nF	16V	0402 (1005)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM42-6X7R223J50	0160-0067-2	22nF	50V	1808 (4520)	X7R	+/-5%	TAPE & REEL	MURATA
0805B223K201CT	0328-0012-9	22nF	200V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
0805B223K201CT-CT	0328-0120-2	22nF	200V	0805 (2012)	X7R	+/-10%	CUT TAPE	WALSIN
GRM21BR72E223KW03L	0160-0326-1	22nF	250V	0805 (2012)	X7R	+/-10%	TAPE & REEL	MURATA
0805B223K251CT	0328-0018-7	22nF	250V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
0805B223K251CT-CT	0328-0152-1	22nF	250V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
GA355DR7GB223KW01L	0160-0313-1	22nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31CR72J223KW03L	0160-0333-7	22nF	630V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
0402B333K100CT	0328-0076-5	33nF	10V	0402 (1005)	X7R	+/-10%	TAPE & REEL	WALSIN
0603B333K500CT	0328-0035-6	33nF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
08055C333KAT2A	0092-0102-7	33nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
0805B333J101CT	0328-0062-9	33nF	100V	0805 (2012)	X7R	+/-5%	TAPE & REEL	WALSIN
0805B333J101CT-CT	0328-0138-1	33nF	100V	0805 (2012)	X7R	+/-5%	TAPE & REEL	WALSIN
GA355ER7GB333KW01L	0160-0314-3	33nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
08055C473KAT2A	0092-0109-8	47nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
C0805C473K5RACTU	0306-0127-3	47nF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	KEMET
GRM31CR72E473KW03L	0160-0327-2	47nF	250V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GA355ER7GB473KW01L	0160-0315-5	47nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
GRM32DR72J473KW01L	0160-0334-9	47nF	630V	1210 (3225)	X7R	+/-10%	TAPE & REEL	MURATA
GA355XR7GB563KW06L	0160-0316-7	56nF	250Vac	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
1206B683K201CT	0328-0014-5	68nF	200V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
1206B683K201CT-CT	0328-0153-1	68nF	200V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM31BR72E683KW01L	0160-0182-1	68nF	250V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
1206B683K251CT	0328-0019-0	68nF	250V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
1206B683K251CT-CT	0328-0101-7	68nF	250V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
0402B104K100CT	0328-0046-3	0.1uF	10V	0402 (1005)	X7R	+/-10%	TAPE & REEL	WALSIN
0603ZC104KAT2A	0092-0078-8	0.1uF	10V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
0603ZC104KAT2A-CT	0092-0200-6	0.1uF	10V	0603 (1608)	X7R	+/-10%	CUT TAPE	AVX
0402B104K160CT	0328-0048-9	0.1uF	16V	0402 (1005)	X7R	+/-10%	TAPE & REEL	WALSIN
0402B104K160CT-CT	0328-0115-3	0.1uF	16V	0402 (1005)	X7R	+/-10%	TAPE & REEL	WALSIN
0603YC104KAT2A	0092-0041-5	0.1uF	16V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
0603YC104JAT2A	0092-0185-8	0.1uF	16V	0603 (1608)	X7R	+/-5%	TAPE & REEL	AVX
0603YC104KAT2A-CT	0092-0222-0	0.1uF	16V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
0603YC104JAT2A-CT	0092-0289-5	0.1uF	16V	0603 (1608)	X7R	+/-5%	CUT TAPE	AVX
0603B104K250CT	0328-0017-4	0.1uF	25V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
0603B104K250CT-CT	0328-0069-0	0.1uF	25V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
06035C104KAT2A	0092-0090-2	0.1uF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
06035C104KAT2A-CT	0092-0232-4	0.1uF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	AVX
GRM188R71H104KA93D	0160-0013-0	0.1uF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	MURATA
C0603C104J5RACTU	0306-0046-3	0.1uF	50V	0603 (1608)	X7R	+/-5%	TAPE & REEL	KEMET
08055C104KAT2A	0092-0004-8	0.1uF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
08055C104JAT2A	0092-0094-4	0.1uF	50V	0805 (2012)	X7R	+/-5%	TAPE & REEL	AVX
08055C104KAT2A-CT	0092-0204-8	0.1uF	50V	0805 (2012)	X7R	+/-10%	CUT TAPE	AVX
08055C104JAT2A-CT	0092-0283-7	0.1uF	50V	0805 (2012)	X7R	+/-5%	CUT TAPE	AVX
C0805C104J5RACTU	0306-0099-2	0.1uF	50V	0805 (2012)	X7R	+/-5%	TAPE & REEL	KEMET

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• **Chip Capacitors** Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
12065C104KAT2A	0092-0133-2	0.1uF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	AVX
12065C104KAT2A -CT	0092-0264-2	0.1uF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	AVX
12061C104KAT2A	0092-0312-1	0.1uF	100V	1206 (3216)	X7R	+/-10%	TAPE & REEL	AVX
1206B104K201CT	0328-0013-2	0.1uF	200V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM31CR72E104KW03L	0160-0328-4	0.1uF	250V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
1206B104K251CT	0328-0016-1	0.1uF	250V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
1206B104K251CT-CT	0328-0074-9	0.1uF	250V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
GRM43DR72J104KW01L	0160-0335-1	0.1uF	630V	1812 (4532)	X7R	+/-10%	TAPE & REEL	MURATA
0603B224K250CT	0328-0109-1	0.22uF	25V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
0805B224K250CT	0328-0037-2	0.22uF	25V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
08055C224KAT2A	0092-0095-7	0.22uF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
08055C224KAT2A-CT	0092-0299-9	0.22uF	50V	0805 (2012)	X7R	+/-10%	CUT TAPE	AVX
GRM40X7R224K50-CT	0160-0074-7	0.22uF	50V	0805 (2012)	X7R	+/-10%	CUT TAPE	MURATA
1206B224K101CT	0328-0021-0	0.22uF	100V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
1206B224K101CT-CT	0328-0119-5	0.22uF	100V	1206 (3216)	X7R	+/-10%	CUT TAPE	WALSIN
GRM32DR72E224KW01L	0160-0329-6	0.22uF	250V	1210 (3225)	X7R	+/-10%	TAPE & REEL	MURATA
KRM55LR72J224KH01	0160-0420-2	0.22uF	250V	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
GRM55DR72J224KW01L	0160-0336-3	0.22uF	630V	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
12065C334KAT2A	0092-0317-6	0.33uF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	AVX
0805B474K250CT	0328-0053-8	0.47uF	25V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
08055C474KAT2A	0092-0233-7	0.47uF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
08055C474KAT2A-CT	0092-0272-0	0.47uF	50V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
12065C474MAT2A-CT	0092-0211-3	0.47uF	50V	1206 (3216)	X7R	+/-20%	CUT TAPE	AVX
12065C474KAT2A	0092-0315-1	0.47uF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	AVX
GRM43DR72E474KW01L	0160-0330-1	0.47uF	250V	1812 (4532)	X7R	+/-10%	TAPE & REEL	MURATA
KRM55TR72J474MH01	0160-0421-4	0.47uF	630V	2220 (5750)	X7R	+/-20%	TAPE & REEL	MURATA
0603B105K100CT	0328-0071-0	1uF	10V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
0603B105K160CT	0328-0082-7	1uF	16V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
0805YC105KAT2A	0092-0309-8	1uF	16V	0805 (2012)	X7R	+/-10%	TAPE & REEL	AVX
0805YC105KAT2A-CT	0092-0318-6	1uF	16V	0805 (2012)	X7R	+/-10%	CUT TAPE	AVX
GRM426X7R105K16-CT	0160-0076-3	1uF	16V	1808 (4520)	X7R	+/-10%	CUT TAPE	MURATA
0805B105K250CT	0328-0056-7	1uF	25V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
0805B105K250CT-CT	0328-0068-7	1uF	25V	0805 (2012)	X7R	+/-10%	TAPE & REEL	WALSIN
C3216X7R1E105K	0169-0033-1	1uF	25V	1206 (3216)	X7R	+/-10%	TAPE & REEL	TDK
C3216X7R1E105K-CT	0169-0070-8	1uF	25V	1206 (3216)	X7R	+/-10%	CUT TAPE	TDK
GRM188R61H105KAALD	0160-0156-1	1uF	50V	0603 (1608)	X5R	+/-10%	TAPE & REEL	MURATA
0603B105K500CT	0328-0145-5	1uF	50V	0603 (1608)	X7R	+/-10%	TAPE & REEL	WALSIN
1206B105K500CT	0328-0038-5	1uF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	WALSIN
1206B105K500CT-CT	0328-0098-9	1uF	50V	1206 (3216)	X7R	+/-10%	CUT TAPE	WALSIN
GRM55DR72E105KW01L	0160-0331-3	1uF	250V	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
KRM55LR72E105KH01	0160-0418-5	1uF	250V	2220 (5750)	X7R	+/-10%	TAPE & REEL	MURATA
CL21A225KOFNNE	0082-0181-8	2.2uF	16V	0805 (2012)	X5R	+/-10%	TAPE & REEL	SAMSUNG
GRM31CR71H225KA88L	0160-0099-0	2.2uF	50V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31CR72A225KA73L	0160-0214-3	2.2uF	100V	1206 (3216)	X7R	+/-10%	ROLL	MURATA
KRM55TR72E225MH01	0160-0419-7	2.2uF	250V	2220 (5750)	X7R	+/-20%	TAPE & REEL	MURATA
C0603C475K8PACTU	0306-0171-5	4.7uF	10V	0603 (1608)	X5R	+/-10%	TAPE & REEL	KEMET
CGA4J3X5R1H475K125AB	0169-0124-5	4.7uF	50V	0805 (2012)	X5R	+/-10%	TAPE & REEL	TDK
0805X106K6R3CT	0328-0108-8	10uF	6.3V	0805 (2012)	X5R	+/-10%	TAPE & REEL	WALSIN
1210X106K160CT	0328-0072-3	10uF	16V	1210 (3225)	X5R	+/-10%	TAPE & REEL	WALSIN
GRM31CR71E106KA12L	0160-0406-8	10uF	25V	1206 (3216)	X7R	+/-10%	TAPE & REEL	MURATA

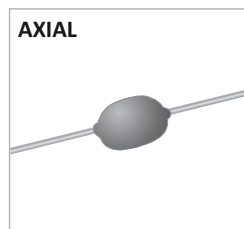
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• Chip Capacitors Continued...

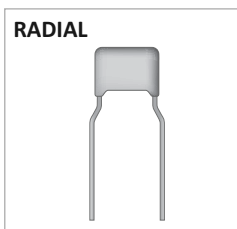
MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
GRM21BR61H106KE43L	0160-0213-1	10uF	50V	0805 (2012)	X5R	+/-10%	TAPE & REEL	MURATA
GRM32ER71H106KA12L	0160-0226-3	10uF	50V	1210 (3225)	X7R	+/-10%	TAPE & REEL	MURATA
LMK212BJ226MG-T	0033-0021-6	22uF	10V	0805 (2012)	X5R	+/-20%	TAPE & REEL	TAIYO YUDEN
CL31A226KPHNNNE	0082-0163-6	22uF	10V	1206 (3216)	X5R	+/-10%	TAPE & REEL	SAMSUNG
CL31A226KPHNNNE-CT	0082-0174-3	22uF	10V	1206 (3216)	X5R	+/-10%	CUT TAPE	SAMSUNG
1210X226K100CT	0328-0099-2	22uF	10V	1210 (3225)	X5R	+/-10%	TAPE & REEL	WALSIN
GRM32ER71E226KE15L	0160-0186-2	22uF	25V	1210 (3225)	X7R	+/-10%	TAPE & REEL	MURATA
GRM31CF50J107ZE01L	0160-0102-8	100uF	6.3V	1206 (3216)	Y5V	+80%,-20%	TAPE & REEL	MURATA

• Lead Type

AXIAL



RADIAL



MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
A103K15X7RF5TAA	0135-0162-3	10nF	50V	AXIAL	X7R	+/-10%	TAPE & REEL	VISHAY
A104K15X7RF5TAA	0135-0163-6	0.1uF	50V	AXIAL	X7R	+/-10%	TAPE & REEL	VISHAY
R101JCF21L	0158-0272-9	100pF	50V	RADIAL	C0G (NPO)	+/-5%	BULK	AEC
R101JCF2TL	0158-0275-1	100pF	50V	RADIAL	C0G (NPO)	+/-5%	TAPE AMMO	AEC
RDE7U2J101J2K1H03B	0160-0392-3	100pF	630V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U3A101J2K1H03B	0160-0399-7	100pF	1000V	RADIAL	U2J	+/-5%	TAPE & REEL	MURATA
RDE7U2J151J2K1H03B	0160-0393-5	150pF	630V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U3A151J2K1H03B	0160-0400-6	150pF	1000V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U2J221J2K1H03B	0160-0394-7	220pF	630V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U3A221J2K1H03B	0160-0401-8	220pF	1000V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U2J331J2K1H03B	0160-0395-9	330pF	630V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U3A331J2K1H03B	0160-0402-1	330pF	1000V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U2J471J2K1H03B	0160-0396-1	470pF	630V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U3A471J2K1H03B	0160-0403-2	470pF	1000V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U2J681J2K1H03B	0160-0397-3	680pF	630V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U3A681J2K1H03B	0160-0404-4	680pF	1000V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDE7U2J102J2K1H03B	0160-0398-5	1nF	630V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDER72J102K2K1H03B	0160-0358-3	1nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDE7U3A102J2K1H03B	0160-0405-6	1nF	1000V	RADIAL	U2J	+/-5%	TAPE AMMO	MURATA
RDER73A102K2K1H03B	0160-0363-6	1nF	1000V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J152K2K1H03B	0160-0359-5	1.5nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER73A152K2K1H03B	0160-0364-8	1.5nF	1000V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J222K2K1H03B	0160-0360-1	2.2nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER73A222K2K1H03B	0160-0365-1	2.2nF	1000V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J332K2K1H03B	0160-0361-2	3.3nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER73A332K2K1H03B	0160-0366-2	3.3nF	1000V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J472K2K1H03B	0160-0362-4	4.7nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER73A472K2K1H03B	0160-0367-4	4.7nF	1000V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
K103K15X7RF5UH5	0135-0356-1	10nF	50V	RADIAL	X7R	+/-10%	TAPE AMMO	VISHAY

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• **Lead Type** Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
K103K15X7RH5TH5	0135-0494-6	10nF	100V	RADIAL	X7R	+/-10%	TAPE & REEL	VISHAY
RDER72J103K2K1H03B	0160-0232-5	10nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72E223K1K1H03B	0160-0337-5	22nF	250V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J223K2K1H03B	0160-0344-2	22nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72E473K2K1H03B	0160-0338-7	47nF	250V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J473K3K1H03B	0160-0345-4	47nF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72E104K2K1H03B	0160-0339-9	0.1uF	250V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J104K4K1H03B	0160-0346-6	0.1uF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
SR215C104KARAP4-90	0092-0068-4	0.1uF	50V	RADIAL	X7R	+/-10%	TAPE AMMO	AVX
SR215E104MARTR1	0092-0214-2	0.1uF	50V	RADIAL	Z5U	+/-20%	TAPE & REEL	AVX
RDER72E224K3K1H03B	0160-0340-4	0.22uF	250V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J224K5B1H03B	0160-0347-8	0.22uF	630V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72E474K4K1H03B	0160-0341-6	0.47uF	250V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72J474MUB1H03B	0160-0348-1	0.47uF	630V	RADIAL	X7R	+/-20%	TAPE AMMO	MURATA
K105M20X7RF5UH5	0135-0560-7	1uF	50V	RADIAL	X7R	+/-20%	TAPE AMMO	VISHAY
RDER72E105K5B1H03B	0160-0342-8	1uF	250V	RADIAL	X7R	+/-10%	TAPE AMMO	MURATA
RDER72E225MUE1H03A	0160-0343-1	2.2uF	250V	RADIAL	X7R	+/-20%	TAPE AMMO	MURATA
RDEC71E106K2K1H03B	0160-0407-1	10uF	25V	RADIAL	X7S	+/-10%	TAPE AMMO	MURATA
RDEC71H106K3K1H03B	0160-0410-9	10uF	50V	RADIAL	X7S	+/-10%	TAPE AMMO	MURATA
RDEC71E226K3K1H03B	0160-0408-2	22uF	25V	RADIAL	X7S	+/-10%	TAPE AMMO	MURATA
RDEC71H226MWK1H03B	0160-0411-1	22uF	50V	RADIAL	X7S	+/-20%	TAPE AMMO	MURATA
RDEC71E476MWK1H03B	0160-0409-4	47uF	25V	RADIAL	X7S	+/-20%	TAPE AMMO	MURATA

Ceramic Disc

• Low Voltage and High Voltage

RADIAL



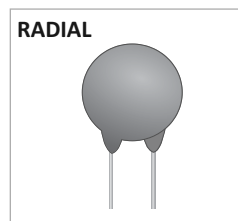
MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
T050DCHE041L	0158-0048-5	5pF	50V	RADIAL	C0G (NPO)	+/-0.5pF	BULK	AEC
T100JCHE041L	0158-0039-4	10pF	50V	RADIAL	C0G (NPO)	+/-5%	BULK	AEC
T150JCHE051L	0158-0138-6	15pF	50V	RADIAL	C0G (NPO)	+/-5%	BULK	AEC
T200JCHE051L	0158-0241-4	20pF	50V	RADIAL	C0G (NPO)	+/-5%	BULK	AEC
T200KCHE051L	0158-0030-7	20pF	50V	RADIAL	C0G (NPO)	+/-10%	BULK	AEC
T220KUJE051LF	0158-0271-6	22pF	50V	RADIAL	C0G (NPO)	+/-10%	BULK	AEC
T220KUJF051LF	0158-0274-5	22pF	100V	RADIAL	N750	+/-10%	BULK	AEC
T220JSLM052L	0158-0253-4	22pF	500V	RADIAL	SL	+/-5%	BULK	AEC
T300KCHE051L	0158-0020-3	30pF	50V	RADIAL	C0G (NPO)	+/-10%	BULK	AEC
T330JCHE052A-T	0158-0195-1	33pF	50V	RADIAL	C0G (NPO)	+/-5%	TAPE AMMO	AEC
561R5GAQ33	0135-0235-5	33pF	1000V	RADIAL	U2J	+/-20%	TAPE & REEL	VISHAY
T470JSLM052L	0158-0063-8	47pF	500V	RADIAL	SL	+/-5%	BULK	AEC
T151KCHE082L	0158-0029-0	150pF	50V	RADIAL	C0G (NPO)	+/-10%	BULK	AEC
T221JSLE052L	0158-0028-7	220pF	50V	RADIAL	SL	+/-5%	BULK	AEC
H221KYAF041LF	0158-0269-6	220pF	100V	RADIAL	Y5E	+/-10%	BULK	AEC
H331KYAE052A-T	0158-0212-5	330pF	50V	RADIAL	Y5E	+/-10%	TAPE AMMO	AEC
H471KYAE051L	0158-0112-0	470pF	50V	RADIAL	Y5E	+/-10%	BULK	AEC
H471KYBF052BF	0158-0249-8	470pF	100V	RADIAL	Y5P	+/-10%	TAPE AMMO	AEC
562R10TST47	0135-0320-1	470pF	1000V	RADIAL	X5F	+/-10%	BOX	VISHAY
DESD32H681KA2B	0160-0111-9	680pF	500V	RADIAL	D	+/-10%	BULK	MURATA
H102KYBE041L	0158-0026-1	1nF	50V	RADIAL	Y5P	+/-10%	BULK	AEC
H102KYBE042B-T	0158-0197-7	1nF	50V	RADIAL	Y5P	+/-10%	TAPE AMMO	AEC
H102KYBE052B-T	0158-0085-2	1nF	50V	RADIAL	Y5P	+/-10%	TAPE AMMO	AEC
H102KYBP062B-T	0158-0086-5	1nF	1000V	RADIAL	Y5P	+/-10%	TAPE AMMO	AEC
H102KYBS074L	0158-0259-2	1nF	2000V	RADIAL	Y5P	+/-10%	BULK	AEC
H222KYBE052B-T	0158-0088-1	2.2nF	50V	RADIAL	Y5P	+/-10%	TAPE AMMO	AEC
H222MYES084L	0158-0216-7	2.2nF	2000V	RADIAL	Y5U	+/-20%	BULK	AEC
H472KYBM102L	0158-0073-2	4.7nF	500V	RADIAL	Y5P	+/-10%	BULK	AEC
H472ZZFA062L	0158-0221-6	4.7nF	1000V	RADIAL	Z5V	+80%,-20%	BULK	AEC
H103MZE062B-T	0158-0082-3	10nF	50V	RADIAL	Z5U	+/-20%	TAPE AMMO	AEC
H103ZYFE051BF	0158-0237-8	10nF	50V	RADIAL	Y5V	+80%,-20%	TAPE AMMO	AEC
H103ZYFE052A-T	0158-0196-4	10nF	50V	RADIAL	Y5V	+80%,-20%	TAPE AMMO	AEC
H103ZZFE051BF-T	0158-0257-6	10nF	50V	RADIAL	Z5V	+80%,-20%	TAPE AMMO	AEC
H103ZZFE051L	0158-0013-8	10nF	50V	RADIAL	Z5V	+80%,-20%	BULK	AEC
H103ZZFE062A-T	0158-0097-2	10nF	50V	RADIAL	Z5V	+80%,-20%	TAPE AMMO	AEC
H103ZZFE062B-T	0158-0087-8	10nF	50V	RADIAL	Z5V	+80%,-20%	TAPE AMMO	AEC
H103MZE062L	0158-0071-6	10nF	100V	RADIAL	Z5U	+/-20%	BULK	AEC
H103MZES155QF	0158-0260-9	10nF	2000V	RADIAL	Z5U	+/-20%	BULK	AEC
S473ZYFE052B-T	0158-0027-4	47nF	50V	RADIAL	Y5V	+80%,-20%	TAPE AMMO	AEC
S503MYBE082L	0158-0225-8	50nF	50V	RADIAL	Y5P	+/-20%	BULK	AEC
S503MYEE062L	0158-0219-6	50nF	50V	RADIAL	Y5U	+/-20%	BULK	AEC

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• **Low Voltage and High Voltage** Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
S104MYEE082L	0158-0200-5	0.1uF	50V	RADIAL	Y5U	+/-20%	BULK	AEC
S104ZYFE072A-T	0158-0099-8	0.1uF	50V	RADIAL	Y5V	+80%,-20%	TAPE AMMO	AEC
S104ZYFE072B	0158-0270-3	0.1uF	50V	RADIAL	Y5V	+80%,-20%	TAPE AMMO	AEC
S104ZYFE072B-T	0158-0017-0	0.1uF	50V	RADIAL	Y5V	+80%,-20%	TAPE AMMO	AEC
S104ZYFE072L	0158-0018-3	0.1uF	50V	RADIAL	Y5V	+80%,-20%	BULK	AEC
S224ZYFE102L	0158-0034-9	0.22uF	50V	RADIAL	Y5V	+80%,-20%	BULK	AEC
S474ZYFB112L	0158-0235-2	0.47uF	16V	RADIAL	Y5V	+80%,-20%	BULK	AEC

• **Safety Standard Ceramic Capacitors**



MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Package/Case	Temperature Coefficient	Tolerance	Packaging	MFR
DECB33J221KC4B	0160-0121-3	220pF	6.3KV	RADIAL	B	+/-10%	BULK	MURATA
DECB33J471KC4B	0160-0122-6	470pF	6.3KV	RADIAL	B	+/-10%	BULK	MURATA
DE1E3KX102MA4BN01F	0160-0249-1	1nF	250Vac	RADIAL	E	+/-20%	BULK	MURATA
DE1E3KX102MN4AN01F	0160-0229-2	1nF	250Vac	RADIAL	E	+/-20%	TAPE AMMO	MURATA
DE1E3KX152MA4BN01F	0160-0322-2	1.5nF	250Vac	RADIAL	E	+/-20%	BULK	MURATA
ECK-ATS222ME	0102-0116-1	2.2nF	250Vac	RADIAL	Y5U	+/-20%	BULK	PANASONIC
EE222M2T7L1K	0158-0118-8	2.2nF	250Vac	RADIAL	Y5U	+/-20%	BULK	AEC
CS11-E2GA222MYNS	0169-0036-0	2.2nF	250Vac	RADIAL	Y5U	+/-20%	BULK	TDK
DE1E3KX222MA4BN01F	0160-0323-4	2.2nF	250Vac	RADIAL	E	+/-20%	BULK	MURATA
DE1E3KX332MA4BN01F	0160-0324-6	3.3nF	250Vac	RADIAL	E	+/-20%	BULK	MURATA
EF472M2T7L1K	0158-0218-3	4.7nF	250Vac	RADIAL	Y5V	+/-20%	BULK	AEC
DE2E3KY472MA3BU02F	0160-0199-5	4.7nF	250Vac	RADIAL	E	+/-20%	BULK	MURATA
DE1E3KX472MA4BN01F	0160-0325-8	4.7nF	250Vac	RADIAL	E	+/-20%	BULK	MURATA

Electrolytic Capacitors



• Surface Mount Type

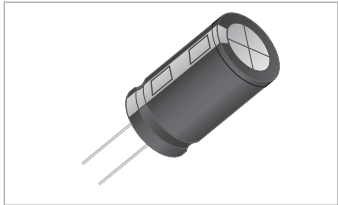
MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
UWX1H0R1MCL1GB	0289-0141-9	0.1uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1H0R1MCL1GB	0289-0190-6	0.1uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1HR22MCL1GB	0289-0142-2	0.22uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1HR22MCL1GB	0289-0191-9	0.22uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1HR33MCL1GB	0289-0143-5	0.33uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1HR33MCL1GB	0289-0192-2	0.33uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1HR47MCL1GB	0289-0144-8	0.47uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWX1H010MCL1GB	0289-0145-1	1uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1H010MCL1GB	0289-0194-8	1uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1V2R2MCL2GB	0289-0134-4	2.2uF	35V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	3x5.5	TAPE & REEL	NICHICON
UWT1V2R2MCL2GB	0289-0238-1	2.2uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	3x5.4	TAPE & REEL	NICHICON
UWX1H2R2MCL1GB	0289-0146-4	2.2uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1H2R2MCL1GB	0289-0195-1	2.2uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWT1V3R3MCL2GB	0289-0239-4	3.3uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	3x5.4	TAPE & REEL	NICHICON
UWX1V3R3MCL2GB	0289-0135-7	3.3uF	35V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	3x5.5	TAPE & REEL	NICHICON
UWX1H3R3MCL1GB	0289-0147-7	3.3uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1H3R3MCL1GB	0289-0196-4	3.3uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1E4R7MCL1GB	0289-0128-2	4.7uF	25V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1E4R7MCL1GB	0289-0173-7	4.7uF	25V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1V4R7MCL1GB	0289-0136-0	4.7uF	35V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1V4R7MCL1GB	0289-0184-4	4.7uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1H4R7MCL1GB	0289-0148-0	4.7uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	5x5.5	TAPE & REEL	NICHICON
UWT1H4R7MCL1GB	0289-0197-7	4.7uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	5x5.4	TAPE & REEL	NICHICON
UWX1C100MCL1GB	0289-0123-7	10uF	16V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT1C100MCL1GB	0289-0167-5	10uF	16V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWT1E100MCL1GB	0289-0174-0	10uF	25V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	5x5.4	TAPE & REEL	NICHICON
UWX1V100MCL1GB	0289-0137-3	10uF	35V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	5x5.5	TAPE & REEL	NICHICON
UWT1V100MCL1GB	0289-0032-3	10uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWX1H100MCL1GB	0289-0149-3	10uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT1H100MCL1GB	0289-0198-0	10uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x5.4	TAPE & REEL	NICHICON
ECEV2AA100P	0102-0059-0	10uF	100V	85°C	S Series, Standard Type, General Purpose, 2,000hrs, 85C	+/-20%	8x10.2	TAPE & REEL	PANASONIC
UWX0J220MCL1GB	0289-0111-7	22uF	6.3V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	4x5.5	TAPE & REEL	NICHICON
UWT0J220MCL1GB	0289-0152-6	22uF	6.3V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	4x5.4	TAPE & REEL	NICHICON
UWT1A220MCL1GB	0289-0159-7	22uF	10V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	5x5.4	TAPE & REEL	NICHICON
UWX1C220MCL1GB	0289-0124-0	22uF	16V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	5x5.5	TAPE & REEL	NICHICON
UWT1C220MCL1GB	0289-0083-6	22uF	16V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	5x5.4	TAPE & REEL	NICHICON
UWX1E220MCL1GB	0289-0130-2	22uF	25V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT1E220MCL1GB	0289-0175-3	22uF	25V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x5.4	TAPE & REEL	NICHICON
UWT1V220MCL1GB	0289-0185-7	22uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x5.4	TAPE & REEL	NICHICON
UWX1H220MCL1GB	0289-0150-0	22uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	8x5.5	TAPE & REEL	NICHICON
UWT1H220MCL1GB	0289-0199-3	22uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x5.4	TAPE & REEL	NICHICON
UWT0J330MCL1GB	0289-0153-9	33uF	6.3V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x7.7	TAPE & REEL	NICHICON

Continued...

• Surface Mount Type Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
UWT1A330MCL1GB	0289-0160-4	33uF	10V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWX1C330MCL1GB	0289-0125-3	33uF	16V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT1V330MCL1GB	0289-0186-0	33uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x5.4	TAPE & REEL	NICHICON
UWX1H330MCL1GB	0289-0151-3	33uF	50V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	8x5.5	TAPE & REEL	NICHICON
UWX0J470MCL1GB	0289-0113-3	47uF	6.3V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	5x5.5	TAPE & REEL	NICHICON
UWX1A470MCL1GB	0289-0119-1	47uF	10V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT1A470MCL1GB	0289-0161-7	47uF	10V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWX1C470MCL1GB	0289-0126-6	47uF	16V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT1C470MCL1GB	0289-0169-1	47uF	16V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWX1V470MCL1GB	0289-0140-6	47uF	35V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	8x5.5	TAPE & REEL	NICHICON
UWT1V470MCL1GS	0289-0037-8	47uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x5.8	TAPE & REEL	NICHICON
UWT1H470MCL1GS	0289-0201-8	47uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x7.7	TAPE & REEL	NICHICON
UWX1A560MCL1GB	0289-0120-8	56uF	10V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWX0J101MCL1GB	0289-0114-6	100uF	6.3V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT0J101MCL1GB	0289-0155-5	100uF	6.3V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x5.4	TAPE & REEL	NICHICON
UWX1A101MCL1GB	0289-0121-1	100uF	10V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT1A101MCL1GB	0289-0162-0	100uF	10V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x5.4	TAPE & REEL	NICHICON
UWX1C101MCL1GB	0289-0127-9	100uF	16V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	6.3x5.5	TAPE & REEL	NICHICON
UWT1C101MCL1GB	0289-0096-9	100uF	16V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x5.4	TAPE & REEL	NICHICON
UWX1E101MCL1GB	0289-0133-1	100uF	25V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	8x5.5	TAPE & REEL	NICHICON
UWT1E101MCL1GS	0289-0178-2	100uF	25V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x7.7	TAPE & REEL	NICHICON
UWT1V101MCL1GS	0289-0187-3	100uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x7.7	TAPE & REEL	NICHICON
UWT1H101MNL1GS	0289-0202-1	100uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT0J221MCL1GB	0289-0156-8	220uF	6.3V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x5.4	TAPE & REEL	NICHICON
UWX1A221MCL1GB	0289-0122-4	220uF	10V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	8x5.5	TAPE & REEL	NICHICON
UWT1A221MCL1GS	0289-0163-3	220uF	10V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x7.7	TAPE & REEL	NICHICON
UWT1C221MCL1GS	0289-0170-8	220uF	16V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x7.7	TAPE & REEL	NICHICON
UWT1E221MNL1GS	0289-0179-5	220uF	25V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT1V221MNL1GS	0289-0188-6	220uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT1H221MNL1GS	0289-0203-4	220uF	50V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	10x10	TAPE & REEL	NICHICON
UWX0J331MCL1GB	0289-0116-2	330uF	6.3V	85°C	WX,Chip Type with 5mm Height, 2,000hrs, 85C	+/-20%	8x5.5	TAPE & REEL	NICHICON
UWT0J331MCL1GS	0289-0157-1	330uF	6.3V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	6.3x7.7	TAPE & REEL	NICHICON
UWT1E331MNL1GS	0289-0180-2	330uF	25V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT1V331MNL1GS	0289-0189-9	330uF	35V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	10x10	TAPE & REEL	NICHICON
UWT0J471MNL1GS	0289-0081-0	470uF	6.3V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT1A471MNL1GS	0289-0165-9	470uF	10V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT1C471MNL1GS	0289-0172-4	470uF	16V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT1E471MNL1GS	0289-0181-5	470uF	25V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	10x10	TAPE & REEL	NICHICON
UWT0J102MNL1GS	0289-0158-4	1000uF	6.3V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	8x10	TAPE & REEL	NICHICON
UWT1A102MNL1GS	0289-0166-2	1000uF	10V	105°C	WT,General Purpose,Wide Temperature, 105C	+/-20%	10x10	TAPE & REEL	NICHICON

• Radial Type



MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
EGS104M1HD11TCSAP	0566-0192-2	0.1uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	PACK	SAMXON
UVR1H0R1MDD	0289-0312-1	0.1uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
EWK1HMR10D11P50T	0825-0151-1	0.1uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	TAPE & REEL	AISHI
EWK1HMR10D11B20T	0825-0152-4	0.1uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	AISHI
EWK1HMR01D110T	0825-0156-9	0.1uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
SM1HR33MNN0511	0062-0589-6	0.33uF	50V	85°C	SM, Standard Down Size, 2,000hrs, 85C	+/-20%	5x11	BULK	ELITE
ENM474M1HC05RRSAP	0566-0159-7	0.47uF	50V	85°C	NM, Nonpolar 5mm Height, 85C	+/-20%	4x5	BULK	SAMXON
WK1HMR47D110T	0825-0045-4	0.47uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EGS105M1HD11TUSAP	0566-0126-6	1uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
EGS105M1HD11RRSAP	0566-0135-7	1uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
EGS105M1HD11TCSAP	0566-0171-1	1uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
EGF105M1HD11TCSHP	0566-0238-1	1uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
ENP105M1HD11RRSAP	0566-0071-6	1uF	50V	85°C	NP,Standard Nonpolar 85C	+/-20%	5x11	BULK	SAMXON
UVR1H010MDD	0289-0286-5	1uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1HM010D110T	0825-0011-0	1uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
WK1HM010D11XT	0825-0012-3	1uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	AISHI
EKM105M1HD11RRSAP	0566-0010-9	1uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BULK	SAMXON
EKM105M1HD11TCSAP	0566-0174-0	1uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
RR1HM010D11PT	0825-0093-8	1uF	50V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	5x11	TAPE AMMO	AISHI
WK1KM010D110T	0825-0087-6	1uF	100V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
WK2GM010E120T	0825-0029-8	1uF	400V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	6.3x12	BULK	AISHI
UVR1H2R2MDD	0289-0287-8	2.2uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1HM2R2D110T	0825-0031-8	2.2uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
WK1HM2R2D11PT	0825-0088-9	2.2uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	TAPE & REEL	AISHI
EKM225M1HD11TCSAP	0566-0223-2	2.2uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
RR1HM2R2D11PT	0825-0079-8	2.2uF	50V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	5x11	BULK	AISHI
WH1HM2R2D110T	0825-0067-8	2.2uF	50V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	5x11	BULK	AISHI
WH1HM2R2D11PT	0825-0092-5	2.2uF	50V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	5x11	TAPE AMMO	AISHI
UVP2A2R2MED	0289-0266-7	2.2uF	100V	85°C	VP,Standard Bi-Polarized, 2,000hrs, 85C	+/-20%	6.3x11	BULK	NICHICON
EGS225M2EE11RRSAP	0566-0181-5	2.2uF	250V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	6.3x11	BULK	SAMXON
EKM225M2EE11RRSAP	0566-0309-7	2.2uF	250V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	6.3x11	BULK	SAMXON
EGS335M1HD11RRSAP	0566-0176-6	3.3uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
EHP1HM3R3D110T	0825-0154-5	3.3uF	50V	105°C		+/-20%	5x11	BULK	AISHI
EKM335M1HD11TCSAP	0566-0197-7	3.3uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
BP1KM3R3E110T	0825-0022-7	3.3uF	100V	85°C	BP,Standard Bipolarized, 2000hrs,85C	+/-20%	6.3x11	BULK	AISHI
WK1KM3R3D110T	0825-0096-7	3.3uF	100V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
UVR1H4R7MDD	0289-0288-1	4.7uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1HM4R7D110T	0825-0032-1	4.7uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EH51HM4R7D05P50TG	0825-0133-9	4.7uF	50V	105°C	H5,Low Profile 5mm Height, 1000hrs,105C	+/-20%	5x5	TAPE & REEL	AISHI
EKM475M1HD11RRSAP	0566-0138-6	4.7uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BULK	SAMXON
EGS475M2AD11RRSAP	0566-0195-1	4.7uF	100V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
WK2GM4R7F120T	0825-0066-5	4.7uF	400V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x12	BULK	AISHI
EKM475M2GG16RRSAP	0566-0160-4	4.7uF	400V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	10x16	BULK	SAMXON
WH2GM4R7G160T	0825-0089-2	4.7uF	400V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	10x16	BULK	AISHI
EWH2GM4R7G16B50T	0825-0131-3	4.7uF	400V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	10x16	TAPE AMMO PACK	AISHI

Continued...

• Radial Type Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
EWK2WM4R7F12B3ST	0825-0141-7	4.7uF	450V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x12	TAPE AMMO PACK	AISHI
EKM565M2GF12TVSAP	0566-0284-9	5.6uF	400V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	8x12	TAPE AMMO PACK	SAMXON
EGD2GM6R8G16OT	0825-0140-4	6.8uF	400V	105°C	CD11GD, For LED Driver Circuit, 6000hrs, 105C	+/-20%	10x16	BULK	AISHI
ESS106M1CC07RRSAP	0566-0106-8	10uF	16V	85°C	SS,7(9)mmL,High C/V, 1,000hrs,85C	+/-20%	4x7	BULK	SAMXON
UVR1C100MDD	0289-0304-2	10uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1CM100D11OT	0825-0009-0	10uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
WK1CM100D11PT	0825-0076-9	10uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EGS106M1ED11TCSAP	0566-0200-5	10uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
UVR1E100MDD	0289-0296-9	10uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1EM100D11OT	0825-0004-5	10uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EWK1EM100D11OT	0825-0101-1	10uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
UPS1E100MDD	0289-0034-9	10uF	25V	105°C	PS,Low Impedance, 2,000-3,000hrs, 105C	+/-20%	5x11	BULK	NICHICON
EGS106M1VD11RRSAP	0566-0021-6	10uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
EGS106M1VD11TCSAP	0566-0193-5	10uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
EWK1VM100D11OT	0825-0155-7	10uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EKM106M1VD11TCSAP	0566-0199-3	10uF	35V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
EGS106M1HD11TCSAP	0566-0151-3	10uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
UVR1H100MDD	0289-0289-4	10uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1HM100D11OT	0825-0007-4	10uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
WK1HM100D11XT	0825-0086-3	10uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	AISHI
EKM106M1HD11TCSAP	0566-0182-8	10uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
WH1HM100D11OT	0825-0042-5	10uF	50V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	5x11	BULK	AISHI
EGS106M1JD11RRSAP	0566-0081-0	10uF	63V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
WK2EM100G12OT	0825-0025-6	10uF	250V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x12	BULK	AISHI
EKM106M2EG1BRRSAP	0566-0129-5	10uF	250V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	10x12.5	BULK	SAMXON
EGA2EM100F16OT	0825-0159-5	10uF	250V	130°C	CD11GA,Longer Life,8000hrs, 105C	+/-20%	10x16	BULK	AISHI
EKM106M2GG16RRSAP	0566-0210-9	10uF	400V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	10x16	BULK	SAMXON
UVC2G100MPD	0289-0271-6	10uF	400V	105°C	VC,Ultra-Miniature Size for Adaptor, 2000khs,105C	+/-20%	10x12.5	BULK	NICHICON
WK2WM100G20OT	0825-0038-9	10uF	450V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x20	BULK	AISHI
ERH106M2WG16RRSNP	0566-0314-1	10uF	450V	105°C	RH, High Ripple Current, Long Life, 10,000-12,000hrs, 105C	+/-20%	10x16	BULK	SAMXON
EKM226M1AD11TCSHP	0566-0245-6	22uF	10V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
SM-22M16-T2.5	0062-0233-3	22uF	16V	85°C	SM, Standard Down Size, 2,000hrs, 85C	+/-20%	-	TAPE AMMO PACK	ELITE
SM1C220MNN0511	0062-0565-6	22uF	16V	85°C	SM, Standard Down Size, 2,000hrs, 85C	+/-20%	5x11	BULK	ELITE
UVR1C220MDD	0289-0305-5	22uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1CM220D11OT	0825-0050-3	22uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EKM226M1CD11TCSAP	0566-0196-4	22uF	16V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BULK	SAMXON
UVZ1C220MDD	0289-0107-1	22uF	16V	105°C	VR, Small Case Size, 2000hrs,105C	+/-20%	5x11	BULK	NICHICON
WH1CM220D11OT	0825-0055-8	22uF	16V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	5x11	BULK	AISHI
UVR1E220MDD	0289-0297-2	22uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
EKM226M1ED11TCSAP	0566-0299-8	22uF	25V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
EKM226M1ED11RRSAP	0566-0308-4	22uF	25V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BAG	SAMXON
EWK1VM220D11OT	0825-0153-7	22uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EGS226M1HD11RRSAP	0566-0099-8	22uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
EGS226M1HD11TCSAP	0566-0125-3	22uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
UVR1H220MDD	0289-0290-1	22uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
EKM226M1HD11TCSAP	0566-0271-6	22uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
WH1HM220D11OT	0825-0115-7	22uF	50V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	5x11	BULK	AISHI
WK1KM220F11OT	0825-0026-9	22uF	100V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x11	BULK	AISHI
EGS226M2GI20TCSAP	0566-0120-8	22uF	400V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	12.5x20	TAPE AMMO PACK	SAMXON
EKM226M2GI20TCSAP	0566-0298-5	22uF	400V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	12.5x20	TAPE AMMO PACK	SAMXON

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• Radial Type Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
EKM226M2WK25RRSAP	0566-0312-7	22uF	450V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	16x25	BOX	SAMXON
EGS336M1ED11RRSHP	0566-0292-7	33uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
EGS336M1VD11TCSAP	0566-0150-0	33uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
ESS476M0JC07RRSAP	0566-0107-1	47uF	6.3V	85°C	SS,7(9)mmL,High C/V, 1,000hrs,85C	+/-20%	4x7	BULK	SAMXON
EGS476M1AD11TCSAP	0566-0189-9	47uF	10V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
EGS476M1AD11HESAP	0566-0235-2	47uF	10V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	BULK	SAMXON
H71AM470C07OT	0825-0060-7	47uF	10V	85°C	H7,Miniature 7mm Height, 1000hrs 105°C	+/-20%	6.3x7	BULK	AISHI
EH51AM470E05B25TG	0825-0144-6	47uF	10V	105°C	H5,Low Profile 5mm Height, 1000hrs,105C	+/-20%	6.3x5	TAPE AMMO PACK	AISHI
EGS476M1CD11TCSAP	0566-0190-6	47uF	16V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	PACK	SAMXON
ESS476M1CD07TCSAP	0566-0108-4	47uF	16V	85°C	SS,7(9)mmL,High C/V, 1,000hrs,85C	+/-20%	5x7	TAPE AMMO PACK	SAMXON
UVR1C470MDD	0289-0306-8	47uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1CM470D11OT	0825-0013-6	47uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EKM476M1CD11TCSAP	0566-0217-0	47uF	16V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BULK	SAMXON
EKM476M1CD11HESHP	0566-0307-1	47uF	16V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BAG	SAMXON
EW11CM470D11OT	0825-0135-5	47uF	16V	105°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EGS476M1ED11TCSAP	0566-0149-3	47uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
UVR1E470MDD	0289-0298-5	47uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1EM470D11OT	0825-0083-4	47uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
L71EM470E07OT	0825-0091-2	47uF	25V	105°C	L7,Miniature 7mm Height,2,000hrs,105C	+/-20%	6.3 x 7.0	BULK	AISHI
ERR1EM470D11OT	0825-0127-7	47uF	25V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	5x11.5	BULK	AISHI
WH1EM470D11OT	0825-0021-4	47uF	25V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	5x11	BULK	AISHI
EKM476M1VD11RRSAP	0566-0166-2	47uF	35V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BULK	SAMXON
EKM476M1VD11TCSAP	0566-0221-6	47uF	35V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
UVR1H470MED	0289-0291-4	47uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	6.3x11	BULK	NICHICON
WK1HM470E11OT	0825-0034-7	47uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	6.3x11	BULK	AISHI
EKM476M1JE11RRSAP	0566-0066-7	47uF	63V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	6.3x11	BULK	SAMXON
WK2GM470L25OT	0825-0046-7	47uF	400V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	16x25	BULK	AISHI
H70JM101D07OT	0825-0074-3	100uF	6.3V	85°C	H7,Miniature 7mm Height, 1000hrs 105°C	+/-20%	6.3x7	BULK	AISHI
EGS107M1AD11TCSAP	0566-0170-8	100uF	10V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
WK1AM101D11PT	0825-0090-9	100uF	10V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EKM107M1AD11TCSAP	0566-0172-4	100uF	10V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
UVR1C101MDD	0289-0307-1	100uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	5x11	BULK	NICHICON
WK1CM101D11OT	0825-0008-7	100uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	BULK	AISHI
EWK1CM101D11P50T	0825-0148-8	100uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	5x11	TAPE AMMO PACK	AISHI
EKM107M1CD11TCSHP	0566-0252-1	100uF	16V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	TAPE AMMO PACK	SAMXON
RE1CM101E11P50T	0825-0081-8	100uF	16V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	6.3x11	TAPE AMMO PACK	AISHI
RE1CM101E11OT	0825-0097-0	100uF	16V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	6.3x11	BULK	AISHI
RR1CM101E11BT	0825-0035-0	100uF	16V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	6.3x11	TAPE AMMO PACK	AISHI
EGS107M1EE11TCSAP	0566-0208-9	100uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	6.3x11	TAPE AMMO PACK	SAMXON
UVR1E101MED	0289-0299-8	100uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	6.3x11	BULK	NICHICON
WK1EM101E11OT	0825-0005-8	100uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	6.3x11	BULK	AISHI
EGF107M1EE11RRSHP	0566-0290-1	100uF	25V	105°C	GF,Low Impedance and High Ripple 1000-4000hrs,105C	+/-20%	6.3x11	BULK	SAMXON
EKM107M1EE11TCSAP	0566-0173-7	100uF	25V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	6.3x11	TAPE AMMO PACK	SAMXON
UPM1E101MED	0289-0206-3	100uF	25V	105°C	PM, Extremely Low Impedance, 5,000hrs, 105C	+/-20%	6.3x15	BULK	NICHICON
UPW1E101MED	0289-0076-1	100uF	25V	105°C	PW,Low Impedance, High Reliability 2,000-8,000hrs,105C	+/-20%	6.3x11	BULK	NICHICON
ERS1EM101E11B25TM	0825-0130-1	100uF	25V	105°C	RS, Low Impedance,High Ripple ,Long Life 4,000-10000hrs 105C	+/-20%	6.3x11	TAPE AMMO PACK	AISHI
ERS1EM101E11P50TG	0825-0145-9	100uF	25V	105°C	RS, Low Impedance,High Ripple ,Long Life 4,000-10000hrs 105C	+/-20%	6.3x11	TAPE & REEL	AISHI
ULG107M1EF1ARRXOCR	0566-0272-9	100uF	25V	105°C	ULG,High Ripple Current, Super Low ESR, 2,000hrs, 105C	+/-20%	8x11.5	BULK	SAMXON
WH1EM101E11OT	0825-0078-5	100uF	25V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	6.3x11	BULK	AISHI
EGS107M1VE11TCSAP	0566-0242-7	100uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	6.3x11	TAPE AMMO PACK	SAMXON

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• Radial Type Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
WK1VM101E11OT	0825-0062-3	100uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	6.3x11	BULK	AISHI
EKM107M1VE11TCSAP	0566-0186-0	100uF	35V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	6.3x11	TAPE AMMO PACK	SAMXON
RE1VM101F11BT	0825-0085-0	100uF	35V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	8x11	BULK	AISHI
ERR1VM101F11OT	0825-0128-1	100uF	35V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	8x11	BULK	AISHI
EW1VM101E11OT	0825-0100-8	100uF	35V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	6.3x11	BULK	AISHI
EGS107M1HF12RRSAP	0566-0016-7	100uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	8x12	BULK	SAMXON
EGS107M1HF12RRS1P	0566-0130-2	100uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	8x12	BULK	SAMXON
UVR1H101MPD	0289-0292-7	100uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	8x11.5	BULK	NICHICON
WH1HM101F11OT	0825-0105-3	100uF	50V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	8x11	BULK	AISHI
EGS107M1JG1BRRSAP	0566-0082-3	100uF	63V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x12.5	BULK	SAMXON
EKM107M1JF12RRSAP	0566-0056-3	100uF	63V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	8x12	BULK	SAMXON
WH1KM101G20OT	0825-0065-2	100uF	100V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	10x20	BULK	AISHI
EGS107M2EK25RRSAP	0566-0163-3	100uF	250V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	16x25	BULK	SAMXON
UPW2E101MRD6	0289-0254-7	100uF	250V	105°C	PW,Low Impedance, High Reliability 2,000-8,000hrs,105C	+/-20%	18x35.5	BULK	NICHICON
UVR1A221MED	0289-0313-3	220uF	10V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	6.3x11	BULK	NICHICON
EKM227M1AD11RRSAP	0566-0311-5	220uF	10V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	5x11	BULK	SAMXON
EGS227M1CE11TCSAP	0566-0094-3	220uF	16V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	6.3x11	TAPE AMMO PACK	SAMXON
UVR1C221MED	0289-0308-4	220uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	6.3x11	BULK	NICHICON
EWK1CM221E11OT	0825-0104-0	220uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	6.3x11	BULK	AISHI
EKM227M1CE11TCSAP	0566-0131-5	220uF	16V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	6.3x11	TAPE AMMO PACK	SAMXON
WH1CM221E11PT	0825-0072-7	220uF	16V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	6.3x11	TAPE AMMO	AISHI
EGS227M1EF12TCSAP	0566-0220-3	220uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	8x12	TAPE AMMO PACK	SAMXON
UVR1E221MPD	0289-0300-1	220uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	8x11.5	BULK	NICHICON
EWK1EM221F11OT	0825-0102-4	220uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x11	BULK	AISHI
EKM227M1EF12RRSAP	0566-0068-3	220uF	25V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	8x12	BULK	SAMXON
ERR1EM221F11OT	0825-0122-2	220uF	25V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	8x11	BULK	AISHI
WH1EM221F11OT	0825-0017-8	220uF	25V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	8x11.5	BULK	AISHI
WK1VM221F12OT	0825-0003-2	220uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x12	BULK	AISHI
EKM227M1VF12TCSAP	0566-0270-3	220uF	35V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	8x11	TAPE AMMO PACK	SAMXON
EGS227M1HG1BRRSAP	0566-0074-5	220uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x12.5	BULK	SAMXON
UVR1H221MPD	0289-0293-1	220uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	10x12.5	BULK	NICHICON
UPS1H221MPD	0289-0035-2	220uF	50V	105°C	PS,Low Impedance, 2,000-3,000hrs, 105C	+/-20%	10x16	BULK	NICHICON
WH1HM221G13OT	0825-0037-6	220uF	50V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	10x13	BULK	AISHI
WK1JM221G16OT	0825-0027-2	220uF	63V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x16	BULK	AISHI
RE1JM221G20OT	0825-0094-1	220uF	63V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	10x20	BULK	AISHI
EGS337M1CF12RRSAP	0566-0051-8	330uF	16V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	8x12	BULK	SAMXON
WK1CM331F11OT	0825-0015-2	330uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x11	BULK	AISHI
WK1EM331F12OT	0825-0073-0	330uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x12	BULK	AISHI
EKM337M1EF12TCSAP	0566-0287-8	330uF	25V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	8x12	TAPE AMMO PACK	SAMXON
WK1VM331G13OT	0825-0051-6	330uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x13	BULK	AISHI
WK1HM331G16OT	0825-0063-6	330uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x16	BULK	AISHI
WK2DM331M35OT	0825-0023-0	330uF	200V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	18x35	BOX	AISHI
ERE1AM471F11P5OT	0825-0132-6	470uF	10V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	8x11	TAPE AMMO PACK	AISHI
EGS477M1CF12TCSAP	0566-0243-0	470uF	16V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	8x12	TAPE AMMO PACK	SAMXON
UVR1C471MPD	0289-0309-7	470uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	8x11.5	BULK	NICHICON
WK1CM471F12OT	0825-0016-5	470uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	8x12	BULK	AISHI
RE1CM471F12PT	0825-0071-4	470uF	16V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	8x12	TAPE AMMO	AISHI
RE1CM471F12OT	0825-0116-1	470uF	16V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	8x12	BULK	AISHI
ERR1CM471F12OT	0825-0121-9	470uF	16V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	8x12	BULK	AISHI
EGS477M1EG1BTSAP	0566-0006-3	470uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x12.5	TAPE AMMO PACK	SAMXON

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• Radial Type Continued...

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
UVR1E471MPD	0289-0301-3	470uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	10x12.5	BULK	NICHICON
WK1EM471G13OT	0825-0024-3	470uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x13	BULK	AISHI
EGK477M1EG16RRSMP	0566-0313-9	470uF	25V	105°C	GK,Lowest Impedance and High Ripple,2000-5000hrs,105C	+/-20%	10x16	BULK	SAMXON
EKM477M1EG1BTCAP	0566-0250-5	470uF	25V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	10x12.5	TAPE AMMO PACK	SAMXON
RE1EM471G13BT	0825-0095-4	470uF	25V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	10x12	TAPE AMMO	AISHI
WH1EM471G13OT	0825-0057-4	470uF	25V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	10x13	BULK	AISHI
EGS477M1VG16RRSAP	0566-0034-9	470uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x16	BULK	SAMXON
EGS477M1VG16TCSAP	0566-0194-8	470uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x16	TAPE AMMO PACK	SAMXON
WK1VM471G16OT	0825-0047-0	470uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x16	BULK	AISHI
EWK1VM471G16OT	0825-0134-2	470uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x16	BULK	AISHI
EGF477M1VG16RRTHP	0566-0241-4	470uF	35V	105°C	GF,Low Impedance and High Ripple 1000-4000hrs,105C	+/-20%	10x16	BULK	SAMXON
EKM477M1VG16TCSAP	0566-0273-2	470uF	35V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	10x16	TAPE AMMO PACK	SAMXON
EGS477M1HG20TCSAP	0566-0187-3	470uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x20	TAPE AMMO PACK	SAMXON
UVR1H471MHD	0289-0294-3	470uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	12.5x20	BULK	NICHICON
WK1HM471G20OT	0825-0064-9	470uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x20	BULK	AISHI
ERS1HM471W20OT	0825-0139-7	470uF	50V	105°C	RS, Low Impedance,High Ripple ,Long Life 4,000-10000hrs 105C	+/-20%	12.5x20	BULK	AISHI
WK1JM471K20OT	0825-0048-3	470uF	63V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	13x20	BULK	AISHI
WH1JM471K20OT	0825-0077-2	470uF	63V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	13x20	BULK	AISHI
WH1KM471L25OT	0825-0019-4	470uF	100V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	16x30	BULK	AISHI
UPM1V561MHD	0289-0065-4	560uF	35V	105°C	PM, Extremely Low Impedance, 5,000hrs, 105C	+/-20%	12.5x20	BULK	NICHICON
RE1CM681G12BT	0825-0106-6	680uF	16V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	10x12	TAPE AMMO PACK	AISHI
ERE1CM681G13B5OT	0825-0149-1	680uF	16V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	10x13	TAPE AMMO	AISHI
ULR827M0JF1ARRXOCRULR	0566-0258-9	820uF	6.3V	105°C	ULR,High Ripple Current, Low ESR than ULG, 2,000hrs, 105C	+/-20%	8x11.5	BULK	SAMXON
EGS108M1AG1BRRSHP	0566-0303-9	1000uF	10V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x12.5	BULK	SAMXON
EGF108M1AF16RRSHP	0566-0230-7	1000uF	10V	105°C	GF,Low Impedance and High Ripple 1000-4000hrs,105C	+/-20%	8x16	BULK	SAMXON
EGF108M1AF16RRTHP	0566-0237-8	1000uF	10V	105°C	GF,Low Impedance and High Ripple 1000-4000hrs,105C	+/-20%	8x16	BULK	SAMXON
EGT108M1AG1BTCAP	0566-0283-6	1000uF	10V	105°C	GT,Low Impedance, High Ripple, 4000-10000hrs,105C	+/-20%	10x12.5	TAPE AMMO PACK	SAMXON
UVR1C102MPD	0289-0310-4	1000uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	10x16	BULK	NICHICON
WK1CM102G16OT	0825-0002-9	1000uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x16	BULK	AISHI
EGF108M1CG20RRSAP	0566-0069-6	1000uF	16V	105°C	GF,Low Impedance and High Ripple 1000-4000hrs,105C	+/-20%	10x20	BULK	SAMXON
EGF108M1CG20RRSMP	0566-0304-2	1000uF	16V	105°C	GF,Low Impedance and High Ripple 1000-4000hrs,105C	+/-20%	10x20	BULK	SAMXON
EKM108M1CG16RRSAP	0566-0057-6	1000uF	16V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	10x16	BULK	SAMXON
ERR1CM102G20OT	0825-0129-3	1000uF	16V	105°C	RR, Low Impedance High Frequency, 2,000hrs, 105C	+/-20%	10x20	BULK	AISHI
EGS108M1EG20TCSAP	0566-0191-9	1000uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	10x20	PACK	SAMXON
UVR1E102MPD	0289-0302-6	1000uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	10x20	BULK	NICHICON
WK1EM102G20OT	0825-0028-5	1000uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x20	BULK	AISHI
EGF108M1EG20RRSHP	0566-0289-4	1000uF	25V	105°C	GF,Low Impedance and High Ripple 1000-4000hrs,105C	+/-20%	10x20	BULK	SAMXON
EKM108M1EG20TCSAP	0566-0222-9	1000uF	25V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	10x20	BOX	SAMXON
WH1EM102G20OT	0825-0053-2	1000uF	25V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	10x20	BULK	AISHI
EGS108M1VI20RRSAP	0566-0049-8	1000uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	12.5x20	BULK	SAMXON
EKM108M1VI20TCSAP	0566-0183-1	1000uF	35V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	12.5x20	TAPE AMMO PACK	SAMXON
UPW1V102MHD	0289-0078-7	1000uF	35V	105°C	PW,Low Impedance, High Reliability 2,000-8,000hrs,105C	+/-20%	12.5x25	BULK	NICHICON
WH1VM102K20OT	0825-0054-5	1000uF	35V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	13x20	BULK	AISHI
EWH1VM102K20OT	0825-0099-6	1000uF	35V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	13x20	BULK	AISHI
EGS108M1HI25RRSAP	0566-0046-9	1000uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	12.5x25	BULK	SAMXON
UVR1H102MHD	0289-0295-6	1000uF	50V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	12.5x25	BULK	NICHICON
WK1HM102K25OT	0825-0006-1	1000uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	13x25	BULK	AISHI
EKM108M1HI25TCSAP	0566-0184-4	1000uF	50V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	12.5x25	BULK	SAMXON
EGS108M1JK25RRSAP	0566-0037-8	1000uF	63V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	16x25	BOX	SAMXON
EKM108M1JK25RRSAP	0566-0060-9	1000uF	63V	105°C	KM, General Purpose, 2,000hrs,105C	+/-20%	16x25	BOX	SAMXON

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• Radial Type Continued...

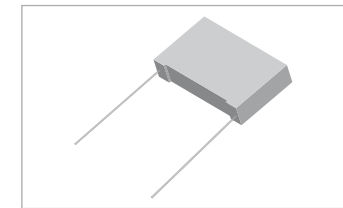
MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
WH1KM102M40OT	0825-0036-3	1000uF	100V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	18x40	BULK	AISHI
WK1AM222G20OT	0825-0059-0	2200uF	10V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	10x20	BULK	AISHI
EGS228M1CI20RRSAP	0566-0124-0	2200uF	16V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	12.5x20	BULK	SAMXON
UVR1C222MHD	0289-0311-7	2200uF	16V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	12.5x20	BULK	NICHICON
WK1CM222K20OT	0825-0070-1	2200uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	13x20	BULK	AISHI
RE1CM222K25OT	0825-0058-7	2200uF	16V	105°C	RE, Low Impedance for High Frequency, 2,000-4,000hrs, 105C	+/-20%	13x25	BULK	AISHI
WH1CM222K20OT	0825-0030-5	2200uF	16V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	13x20	BULK	AISHI
EGS228M1EI25RRSAP	0566-0015-4	2200uF	25V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	12.5x25	BULK	SAMXON
UVR1E222MHD	0289-0264-1	2200uF	25V	85°C	VR, Small Case Size, 2000hrs,85C	+/-20%	12.5x25	BULK	NICHICON
WH1EM222K25OT	0825-0018-1	2200uF	25V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	12.5x25	BULK	AISHI
EGS228M1VK25RRSAP	0566-0123-7	2200uF	35V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	16x25	BOX	SAMXON
WK1VM222L25OT	0825-0014-9	2200uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	16x25	BULK	AISHI
WH1VM222L25OT	0825-0020-1	2200uF	35V	105°C	WH, Standard Series for General Purpose, 2,000hrs, 105C	+/-20%	16x25	BULK	AISHI
WK1HM222L30OT	0825-0041-2	2200uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	16x30	BULK	AISHI
UPM0J332MHD	0289-0052-1	3300uF	6.3V	105°C	PM, Extremely Low Impedance, 5,000hrs, 105C	+/-20%	12.5x25	BULK	NICHICON
EGS338M1CI25RRSAP	0566-0027-4	3300uF	16V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	12.5x25	BULK	SAMXON
WK1EM332L25OT	0825-0049-6	3300uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	16x25	BOX	AISHI
WK1HM332M35OT	0825-0112-8	3300uF	50V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	18x35	BULK	AISHI
UVZ1H332MHD	0289-0242-7	3300uF	50V	105°C	VR, Small Case Size, 2000hrs,105C	+/-20%	18x35.5	BULK	NICHICON
WK1CM472L25OT	0825-0061-0	4700uF	16V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	16x25	BULK	AISHI
WK1EM472L30OT	0825-0010-7	4700uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	16x30	BULK	AISHI
WK1VM472M35OT	0825-0084-7	4700uF	35V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	18x35	BOX	AISHI
EGS478M1HL40RRSAP	0566-0076-1	4700uF	50V	85°C	GS,General Purpose, High CV Value, 2000hrs,85C	+/-20%	18x40	BOX	SAMXON
ECA-1CM103	0102-0117-3	10000uF	16V	85°C	MA,2000Hrs,85C	+/-20%	18x35.5	BULK	PANASONIC
WK1EM103M40OT	0825-0068-1	10000uF	25V	85°C	WK, Standard Series for General Purpose, 2,000hrs,85C	+/-20%	18x40	BOX	AISHI
UPW0J153MHD	0289-0225-8	15000uF	6.3V	105°C	PW,Low Impedance, High Reliability 2,000-8,000hrs,105C	+/-20%	18x35.5	BULK	NICHICON

- Snap-in Type



MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Maximum Temperature	Series	Tolerance	Diameter x Height(mm)	Packaging	MFR
LLS2G121MELZ	0289-0071-6	120uF	400V	85°C	LS,Snap-in,Standard ,3,000hrs,85C	+/-20%	22x30	TRAY	NICHICON
LH2GM151O40KT	0825-0113-1	150uF	400V	105°C	LH,General Purpose,Snap-in,2,000hrs, 105C	+/-20%	22x40	TRAY	AISHI
ELP227M2EN25SWSAP	0566-0161-7	220uF	250V	85°C	LP,General Purpose,Lug/Snap-in, 2,000hrs,85C	+/-20%	22x25	BOX	SAMXON
ELP227M2GO35SWSHP	0566-0275-8	220uF	400V	85°C	LP,General Purpose,Lug/Snap-in, 2,000hrs,85C	+/-20%	25x35	BOX	SAMXON
EHP337M2GQ30SWSHP	0566-0297-2	330uF	400V	105°C	HP,Lug/Snap-in Terminal, 2000hrs, 105C	+/-20%	35x30	BOX	SAMXON
ELP687M2DN40SWSAP	0566-0141-9	680uF	200V	85°C	LP,General Purpose,Lug/Snap-in, 2,000hrs,85C	+/-20%	22x40	BOX	SAMXON
ESMH201VSN681MQ40S	0424-0002-6	680uF	200V	85°C	SMH,Standard Type, Snap-in, 2,000hrs,85C	+/-20%	25.4x40	BULK	NIPPON CHEMI-CON
EETUQ2G821LC	0102-0123-5	820uF	400V	85°C	TS-UQ, Smaller Size, 2,000hrs, 85C	+/-20%	35x45	BULK	PANASONIC
ECEC2DB152DJ	0102-0112-8	1500uF	200V	105°C	TS-HB,High Ripple Current, 3,000hrs, 105C	+/-20%	30x50	BOX	PANASONIC
ELP228M1KP25SWSHP	0566-0274-5	2200uF	80V	85°C	LP,General Purpose,Lug/Snap-in, 2,000hrs,85C	+/-20%	30x25	BOX	SAMXON
EHP228M2DQ50SWSMP	0566-0229-0	2200uF	200V	105°C	HP,Lug/Snap-in Terminal, 2000hrs, 105C	+/-20%	35x50	BOX	SAMXON
EHP338M1JO35SWSHP	0566-0225-8	3300uF	63V	105°C	HP,Lug/Snap-in Terminal, 2000hrs, 105C	+/-20%	25x35	BOX	SAMXON
EHP338M2DQ60SWSMP	0566-0227-4	3300uF	200V	105°C	HP,Lug/Snap-in Terminal, 2000hrs, 105C	+/-20%	35x60	BOX	SAMXON
EHP448M2DQ1LSWSHP	0566-0256-3	4400uF	200V	105°C	HP,Lug/Snap-in Terminal, 2000hrs, 105C	+/-20%	35x100	BOX	SAMXON
LK1VM103P40KT	0825-0082-1	10000uF	35V	85°C	LK,General Purpose,Snap-in,2,000hrs, 85C	+/-20%	25x40	TRAY	AISHI
LH1VM103P40KT	0825-0039-2	10000uF	35V	105°C	LH,General Purpose,Snap-in,2,000hrs, 105C	+/-20%	25x40	TRAY	AISHI
LK1JM103R40KT	0825-0107-9	10000uF	63V	85°C	LK,General Purpose,Snap-in,2,000hrs, 85C	+/-20%	35x40	TRAY	AISHI
ELP109M1KQ50SWSAP	0566-0092-7	10000uF	80V	85°C	LP,General Purpose,Lug/Snap-in, 2,000hrs,85C	+/-20%	35x50	BOX	SAMXON
EHP159M1KQ80SWSHP	0566-0143-5	15000uF	80V	105°C	HP,Lug/Snap-in Terminal, 2000hrs, 105C	+/-20%	35x80	BOX	SAMXON

Box Type



• Metallized Polyester Film

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	Tolerance	Series	Packaging	MFR
C242A102J20A201	0771-0008-0	1nF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
R82EC1220DQ50J	0198-0049-0	2.2nF	100V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
R82MC1220DQ50K	0198-0032-5	2.2nF	400V	5.0mm	+/-10%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
BFC237086392	0135-0359-0	3.9nF	100V	5.08mm	+/-5%	MKT370,Metallized Polyester	TAPE AMMO PACK	VISHAY
C242A103J20A201	0771-0009-3	10nF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
R82IC2100DQ50J	0198-0101-5	10nF	250V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
C242A223K20A201	0771-0062-6	22nF	100V	5.0mm	+/-10%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
C242A223J20A201	0771-0069-7	22nF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
C242A333J20A201	0771-0070-4	33nF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
C242A473J20A201	0771-0001-9	47nF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
BQ014D0683JDC	0174-0045-4	68nF	63V	5.08mm	+/-5%	BQ,Metallized Polyester	TAPE AMMO PACK	AVX
R82DC3100DQ50J	0198-0033-8	0.1uF	63V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
BQ014D0104JDC	0174-0038-9	0.1uF	63V	5.08mm	+/-5%	BQ,Metallized Polyester	TAPE AMMO PACK	AVX
C242A104J2SA201	0771-0002-2	0.1uF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
C232E104J3SC450	0771-0010-0	0.1uF	250V	7.5mm	+/-5%	C24 (CL23B),Metallized Polyester	BULK	FARATRONIC
R66ID3100AA7AJ	0198-0177-1	0.1uF	250V	7.5mm	+/-5%	R66 (MKT),Metallized Polyester	BOX	ARCOTRONICS
R82EC3150DQ70J	0198-0034-1	0.15uF	100V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
C242A184J2SA201	0771-0003-5	0.18uF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
C242A224J2SA201	0771-0011-3	0.22uF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
R82EC3220DQ70J	0198-0029-2	0.22uF	100V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
C242A334J2SA201	0771-0004-8	0.33uF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
R82DC3470DQ60J	0198-0102-8	0.47uF	63V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
C242A474J2SA201	0771-0028-8	0.47uF	100V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
R82EC3470DQ70J	0198-0079-2	0.47uF	100V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
C241J105J2SA201	0771-0005-1	1uF	63V	5.0mm	+/-5%	C24 (CL23B),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
R82DC4100DQ60J	0198-0012-7	1uF	63V	5.0mm	+/-5%	R82 (MKT),Metallized Polyester	TAPE AMMO PACK	ARCOTRONICS
R60IN4100AA30K	0198-0114-8	1uF	250V	22.5mm	+/-10%	R60 (MKT),Metallized Polyester	BOX	ARCOTRONICS

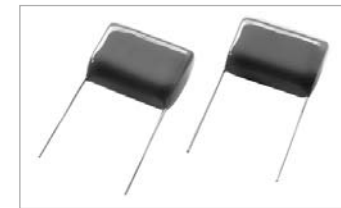
• Metallized Polypropylene Film

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	Tolerance	Series	Packaging	MFR
C823A102J30A301	0771-0061-3	1nF	1000V	7.5mm	+/-5%	C82 (MMKP82),Metallized Polypropylene	TAPE AMMO PACK	FARATRONIC
C823A102J40A405	0771-0040-2	1nF	1000V	10.0mm	+/-5%	C82 (MMKP82),Metallized Polypropylene	TAPE AMMO PACK	FARATRONIC
R76QF1470SE30J	0198-0153-1	4.7nF	1000V	10.0mm	+/-5%	R76 (MMKP),Metallized Polypropylene	BOX	ARCOTRONICS
C823C682J60C450	0771-0022-0	6.8nF	1600V	15.0mm	+/-5%	C82 (MMKP82),Metallized Polypropylene	BULK	FARATRONIC
C823C822J60C000	0771-0041-5	8.2nF	1600V	15.0mm	+/-5%	C82 (MMKP82),Metallized Polypropylene	BULK	FARATRONIC
C823C103J60C450	0771-0014-2	10nF	1600V	15.0mm	+/-5%	C82 (MMKP82),Metallized Polypropylene	BULK	FARATRONIC
R76PI2120SE00J	0198-0068-5	12nF	630V	15.0mm	+/-5%	R76 (MMKP),Metallized Polypropylene	BULK	ARCOTRONICS
R76MF2150SE30J	0198-0038-3	15nF	400V	10.0mm	+/-5%	R76 (MMKP),Metallized Polypropylene	BOX	ARCOTRONICS

● Metallized Polypropylene Film (X2 CLASS)

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	Tolerance	Series	Packaging	MFR
MP2472K3C10	0552-0005-4	4.7nF	280Vac	10.0mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	SR CAPACITORS
MP2103K3C2G0	0552-0007-0	10nF	280Vac	10.0mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	SR CAPACITORS
R46KI2100JB01M	0198-0007-8	10nF	275Vac	15.0mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
C42P2333M30C000	0771-0017-1	33nF	275Vac	7.5mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
C42P2473K4SC000	0771-0033-7	47nF	275Vac	10.0mm	+/-10%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
MPX473K275VAC-AEC	0158-0170-8	47nF	275Vac	15.0mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	AEC
C42P2104M4SC000	0771-0059-3	0.1uF	275Vac	10.0mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
C42P2104M6SC450	0771-0006-4	0.1uF	275Vac	15.0mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
C42P2104M6SC000	0771-0007-7	0.1uF	275Vac	15.0mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BAG	FARATRONIC
MPX104K275VAC-AEC	0158-0128-2	0.1uF	275Vac	15.0mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	AEC
R46KI310000M1K1	0198-0158-6	0.1uF	275Vac	15.0mm	+/-10%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
MP2104K3D20	0552-0001-2	0.1uF	280Vac	15.0mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	SR CAPACITORS
MP2104K3D2GL-25	0552-0010-3	0.1uF	280Vac	15.0mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	SR CAPACITORS
R46KI315045M2M	0198-0027-6	0.15uF	275Vac	15.0mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
C42P2224M4SC000101	0771-0080-5	0.22uF	275Vac	10.0mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BAG	FARATRONIC
R46KI3220JPM2M	0198-0019-8	0.22uF	275Vac	15.0mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
R46KI322045M2M	0198-0040-3	0.22uF	275Vac	15.0mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
C42Q2224M6SC000	0771-0042-8	0.22uF	305Vac	15.0mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
C42P2224K9SC000	0771-0038-2	0.22uF	275Vac	22.5mm	+/-10%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
R46KN322055M1K	0198-0064-3	0.22uF	275Vac	22.5mm	+/-10%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
R46KI3330JPN0M	0198-0167-7	0.33uF	275Vac	15mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
KNB1560 0.47UF+/-10%	0590-0002-3	0.47uF	275Vac	15.0mm	+/-10%	KNB,X2 CLASS,Metallized Polypropylene	BOX	ISKRA
C42P2474K6SC000	0771-0032-4	0.47uF	275Vac	15.0mm	+/-10%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
R46KI3470JPN0M	0198-0082-5	0.47uF	275Vac	15.0mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
R46KN347055M1M	0198-0015-6	0.47uF	275Vac	22.5mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
MP2474K3E40	0552-0004-1	0.47uF	280Vac	22.5mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	SR CAPACITORS
LE684-M	0463-0001-8	0.68uF	275Vac	22.5mm	+/-10%	LE,Metallized Polypropylene	BOX	OKAYA
R46KN410045N1K	0198-0169-3	1uF	275Vac	22.5mm	+/-10%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
MP2105K3F20	0552-0002-5	1uF	280Vac	22.5mm	+/-10%	MPX,X2 CLASS,Metallized Polypropylene	BULK	SR CAPACITORS
R46KR4100JPM1M	0198-0098-7	1uF	275Vac	27.5mm	+/-20%	R.46 (MKP),X2 CLASS,Metallized Polypropylene	BOX	ARCOTRONICS
C42Q2105MBSC000	0771-0043-1	1uF	305Vac	27.5mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BULK	FARATRONIC
C42Q2335MBSC000	0771-0052-2	3.3uF	305Vac	27.5mm	+/-20%	C42 (MKP62),X2 CLASS,Metallized Polypropylene	BAG	FARATRONIC
C43Q1472M40C000	0771-0039-5	4.7nF	300Vac	10.0mm	+/-20%	C43 (MKP63),Y2 CLASS,Metallized Polypropylene	BULK	FARATRONIC

Dipped type



• Metallized Polyester Film

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	Tolerance	Series	Packaging	MFR
MPE152J2J-AEC	0158-0146-4	1.5nF	630V	10.0mm	+/-5%	MPE,Metallized Polyester	BULK	AEC
MPE682J2J-AEC	0158-0213-8	6.8nF	630V	10.0mm	+/-5%	MPE,Metallized Polyester	BULK	AEC
C212J103K4AC000	0771-0053-5	10nF	630V	10.0mm	+/-10%	C21 (CL21),Metallized Polyester	BULK	FARATRONIC
MPE103K2J-AEC	0158-0143-5	10nF	630V	10.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
C212J223K4AC000	0771-0054-8	22nF	630V	10.0mm	+/-10%	C21 (CL21),Metallized Polyester	BULK	FARATRONIC
MPE223K2J-AEC	0158-0162-0	22nF	630V	10.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
MPE473J2G-AEC	0158-0160-4	47nF	400V	10.0mm	+/-5%	MPE,Metallized Polyester	BULK	AEC
C212J473K4AC000	0771-0055-1	47nF	630V	10.0mm	+/-10%	C21 (CL21),Metallized Polyester	BULK	FARATRONIC
MPE473J2J-AEC	0158-0147-7	47nF	630V	15.0mm	+/-5%	MPE,Metallized Polyester	BULK	AEC
MPE473K2J-AEC	0158-0163-3	47nF	630V	15.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
C212E104K3AC000	0771-0060-1	0.1uF	250V	7.5mm	+/-10%	C21 (CL21),Metallized Polyester	BULK	FARATRONIC
MPE104K2E-AEC	0158-0151-3	0.1uF	250V	10.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
C212G104K4AC000	0771-0058-1	0.1uF	400V	10.0mm	+/-10%	C21 (CL21),Metallized Polyester	BULK	FARATRONIC
C212J104K6AC000	0771-0056-4	0.1uF	630V	15.0mm	+/-10%	C21 (CL21),Metallized Polyester	BULK	FARATRONIC
MPE104K2J-AEC	0158-0122-4	0.1uF	630V	15.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
C212J224K6AC000	0771-0057-7	0.22uF	630V	15.0mm	+/-10%	C21 (CL21),Metallized Polyester	BULK	FARATRONIC
MPE224K2J-AEC	0158-0145-1	0.22uF	630V	20.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
MPE474K2G-AEC	0158-0231-0	0.47uF	400V	20.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
MPE474K2J-AEC	0158-0164-6	0.47uF	630V	27.5mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
ECQE2105KF	0102-0114-4	1uF	250V	15.0mm	+/-10%	ECQE,Metallized Polyester	BULK	PANASONIC
MPE105J2E-AEC	0158-0140-6	1uF	250V	20.0mm	+/-5%	MPE,Metallized Polyester	BULK	AEC
C222G105J60C000	0771-0064-2	1uF	400V	15.0mm	+/-5%	C22 (CL21X),Metallized Polyester	TAPE AMMO PACK	FARATRONIC
MMX0400J105	0222-0012-8	1uF	400V	15.0mm	+/-5%	MMX,Metallized Polyester	BULK	NISSEI
MPE105K2G-AEC-20MM	0158-0150-0	1uF	400V	20.0mm	+/-10%	MPE,Metallized Polyester	BULK	AEC
C212J105KBAC000	0771-0015-5	1uF	630V	27.5mm	+/-10%	C21 (CL21),Metallized Polyester	BAG	FARATRONIC
MMC0630K105	0222-0070-6	1uF	630V	22.5mm	+/-10%	MMC,Metallized Polyester	BULK	NISSEI

• Metallized Polypropylene Film

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	Tolerance	Series	Packaging	MFR
C143C472J6SC000	0771-0067-1	4.7nF	1600V	15.0mm	+/-5%	C14 (CBB81),Metallized Polypropylene	BULK	FARATRONIC
C312J473J43C000	0771-0068-4	47nF	630V	10.0mm	+/-5%	C31 (CBB21),Metallized Polypropylene	BULK	FARATRONIC
MET-683-400JP10	0695-0002-7	68nF	400V	10.0mm	+/-5%	MET (CBB21),Metallized Polypropylene	BULK	HANWAY
MET-683-400JP10T	0695-0005-6	68nF	400V	10.0mm	+/-5%	MET (CBB21),Metallized Polypropylene	TAPE AMMO PACK	HANWAY
MPE0400J104000000000	0222-0094-6	0.1uF	400V	12.5mm	+/-5%	MPE,Metallized Polypropylene	BULK	NISSEI
C312J104J6SC000	0771-0045-7	0.1uF	630V	15.0mm	+/-5%	C31 (CBB21),Metallized Polypropylene	BULK	FARATRONIC
MPE0630J104000000000	0222-0083-9	0.1uF	630V	15.0mm	+/-5%	MPE,Metallized Polypropylene	BULK	NISSEI
C312J224J9SF700	0771-0044-4	0.22uF	630V	17.5mm	+/-5%	C31 (CBB21),Metallized Polypropylene	BULK	FARATRONIC
C312J474J9SC000	0771-0050-6	0.47uF	630V	22.5mm	+/-5%	C31 (CBB21),Metallized Polypropylene	BULK	FARATRONIC
MPE0630J105000000000	0222-0084-2	1uF	630V	27.5mm	+/-5%	MPE,Metallized Polypropylene	BULK	NISSEI

• Polyester Film

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	Tolerance	Series	Packaging	MFR
PEI102J2A-AEC	0158-0126-6	1nF	100V	4.0mm	+/-5%	PEI, Polyester	BULK	AEC
AMAV0100J122	0222-0057-9	1.2nF	100V	3.5mm	+/-5%	AMA, Polyester	TAPE AMMO PACK	NISSEI
PEI152J2G	0158-0268-3	1.5nF	400V	4.0mm	+/-10%	PEI, Polyester	BULK	AEC
AMAV0100J182	0222-0056-6	1.8nF	100V	3.5mm	+/-5%	AMA, Polyester	TAPE AMMO PACK	NISSEI
AMAV0100J272	0222-0041-7	2.7nF	100V	3.5mm	+/-5%	AMA, Polyester	TAPE AMMO PACK	NISSEI
PEI332J2A-AEC	0158-0144-8	3.3nF	100V	3.5mm	+/-5%	PEI, Polyester	BULK	AEC
AMAV0100J472	0222-0043-3	4.7nF	100V	3.5mm	+/-5%	AMA, Polyester	TAPE AMMO PACK	NISSEI
PEI472J2A-AEC	0158-0153-9	4.7nF	100V	4.0mm	+/-5%	PEI, Polyester	BULK	AEC
AMAV0100J562	0222-0044-6	5.6nF	100V	3.5mm	+/-5%	AMA, Polyester	TAPE AMMO PACK	NISSEI
PEI103J2A-AEC	0158-0127-9	10nF	100V	4.0mm	+/-5%	PEI, Polyester	BULK	AEC
PEI223J2A-AEC	0158-0154-2	22nF	100V	5.0mm	+/-5%	PEI, Polyester	BULK	AEC
PEI333J2A-AEC	0158-0232-3	33nF	100V	6.0mm	+/-5%	PEI, Polyester	BULK	AEC
AMZVB0050K47300000200	0222-0113-6	47nF	50V	5.0mm	+/-10%	AMZ, Polyester	TAPE AMMO PACK	NISSEI
PEI104J2A-AEC	0158-0123-7	0.1uF	100V	7.0mm	+/-5%	PEI, Polyester	BULK	AEC

• Metallized Polyphenylene Sulfide Film

MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	Tolerance	Series	Packaging	MFR
CHAV0050J124	0222-0018-6	0.12uF	50V	6.0mm	+/-5%	CHA, Polyphenylene Sulfide	TAPE & REEL	NISSEI

Super Capacitors

	MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	MFR
 Vertical Mount	EECS0HD104V	0102-0035-0	0.1F	5.5V	5.0mm	PANASONIC
 Horizontal Mount	EECS0HD334H	0102-0031-8	0.33F	5.5V	10.0mm	PANASONIC
 Vertical Mount	EECS0HD334V	0102-0036-3	0.33F	5.5V	5.0mm	PANASONIC
 Horizontal Mount	EECS5R5H474	0102-0038-9	0.47F	5.5V	20.0mm	PANASONIC
 Vertical Mount	EECS5R5V474	0102-0040-9	0.47F	5.5V	5.0mm	PANASONIC
 Horizontal Mount	EECS5R5H105	0102-0037-6	1F	5.5V	20.0mm	PANASONIC

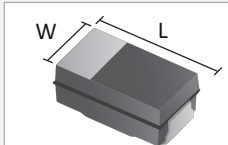
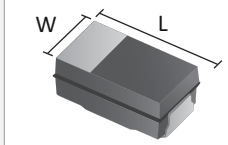
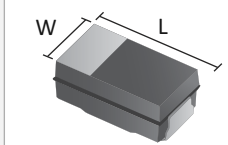
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• **Super Capacitors** Continued...

	MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Lead Spacing	MFR
 Vertical Mount	EECS5R5V105	0102-0039-2	1F	5.5V	5.0mm	PANASONIC
	EECF5R5U105	0102-0041-2	1F	5.5V	5.0mm	PANASONIC

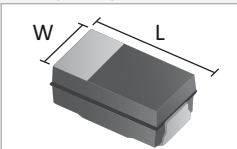
Tantalum Capacitors

• Chip SMD Type

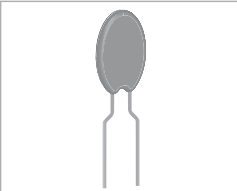
	MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Tolerance	MFR
1206 (3216)  LxW 0.12x0.06 inch LxW 3.2x1.6mm	T491A474K035AT	0306-0148-4	0.47uF	35V	+/-10%	KEMET
	TCA1C105M8R	0176-0141-1	1uF	16V	+/-20%	ROHM
	TCA1E105M8R	0176-0148-2	1uF	25V	+/-20%	ROHM
	T491A105K025AT	0306-0074-9	1uF	25V	+/-10%	KEMET
	TCA1C155M8R	0176-0143-7	1.5uF	16V	+/-20%	ROHM
	TAJA225K016RNJ	0092-0230-8	2.2uF	16V	+/-10%	AVX
	TCA1C225M8R	0176-0144-1	2.2uF	16V	+/-20%	ROHM
	TCA1C335M8R	0176-0145-3	3.3uF	16V	+/-20%	ROHM
	TCA1E335M8R	0176-0151-5	3.3uF	25V	+/-20%	ROHM
	F930J475KAA	0289-0094-3	4.7uF	6.3V	+/-10%	NICHICON
	TCA1C475M8R	0176-0146-6	4.7uF	16V	+/-20%	ROHM
	TCA1E475M8R	0176-0150-2	4.7uF	25V	+/-20%	ROHM
	TCA1C685M8R	0176-0147-9	6.8uF	16V	+/-20%	ROHM
	TCA0J106M8R	0176-0676-3	10uF	6.3V	+/-20%	ROHM
	F930J106MAA	0289-0100-0	10uF	6.3V	+/-20%	NICHICON
	T491A106K006AT	0306-0048-9	10uF	6.3V	+/-10%	KEMET
	TCA1A106M8R	0176-0390-8	10uF	10V	+/-20%	ROHM
	TCA1C106M8R	0176-0142-4	10uF	16V	+/-20%	ROHM
	TCA1A156M8R	0176-0139-1	15uF	10V	+/-20%	ROHM
	TCA0J226M8R	0176-0674-7	22uF	6.3V	+/-20%	ROHM
	F930J226MAA	0289-0241-4	22uF	6.3V	+/-20%	NICHICON
	TCA1A226M8R	0176-0140-8	22uF	10V	+/-20%	ROHM
	TAJA336K006RNJ	0092-0249-9	33uF	6.3V	+/-10%	AVX
	TCA0J336M8R	0176-0137-5	33uF	6.3V	+/-20%	ROHM
	TCA0J476M8R	0176-0138-8	47uF	6.3V	+/-20%	ROHM
1411 (3528)  LxW 0.14x0.11 inch LxW 3.5x2.8mm	T491B225K025AT	0306-0078-1	2.2uF	25V	+/-10%	KEMET
	T491B225K035AT	0306-0075-2	2.2uF	35V	+/-10%	KEMET
	293D475X0016B2TE3	0135-0273-5	4.7uF	16V	+/-20%	VISHAY
	TAJB106K016RNJ	0092-0065-5	10uF	16V	+/-10%	AVX
	TAJB106K016RNJ-CT	0092-0319-8	10uF	16V	+/-10%	AVX
	293D226X0016B2TE3	0135-0231-3	22uF	16V	+/-20%	VISHAY
	F931C226MBA	0289-0240-1	22uF	16V	+/-20%	NICHICON
	TCJB476M006R0070	0092-0259-3	47uF	6.3V	+/-20%	AVX
	F930J476KBA	0289-0070-3	47uF	6.3V	+/-10%	NICHICON
	F930J476MBA	0289-0095-6	47uF	6.3V	+/-20%	NICHICON
	TCFGB1A107M8R	0176-0389-1	100uF	10V	+/-20%	ROHM
2312 (6032)  LxW 0.23x0.12 inch LxW 6.0x3.2mm	293D106X0016C2TE3	0135-0272-2	10uF	16V	+/-20%	VISHAY
	F930J107MCC	0289-0086-5	100uF	6.3V	+/-20%	NICHICON

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• Chip SMD Type Continued...

	MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Tolerance	MFR
2917 (7343)  LxW 0.29x0.17inch LxW 7.3x4.3mm	TAJD106K035RNJ	0092-0278-8	10uF	35V	+/-10%	AVX
	T491D106K050AT	0306-0042-1	10uF	50V	+/-10%	KEMET
	T491D336K016AT	0306-0147-1	33uF	16V	+/-10%	KEMET
	TAJD107K010RNJ	0092-0307-2	100uF	10V	+/-10%	AVX
	TAJD107K016RNJ	0092-0305-6	100uF	16V	+/-10%	AVX
	TPSD157M010R0050	0092-0258-0	150uF	10V	+/-20%	AVX
	TAJD227K010RNJ	0092-0280-8	220uF	10V	+/-10%	AVX

• Radial Lead Type

	MFR Part Number	ES Part Number	Capacitance	Voltage-Rated	Tolerance	MFR
RADIAL 	TAP104M050SCS	0092-0015-5	0.1uF	50V	+/-20%	AVX
	TAP105M035SCS	0092-0016-8	1uF	35V	+/-20%	AVX
	TAP475M025SCS	0092-0020-4	4.7uF	25V	+/-20%	AVX
	TAP685M025SCS	0092-0033-7	6.8uF	25V	+/-20%	AVX
	TAP106K016SCS	0092-0023-3	10uF	16V	+/-10%	AVX

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Inductors/Coils/Chokes

Fixed Inductor _____ 19-1

Fixed Inductor

	MFR Part Number	ES Part Number	Series	Inductance	Rated Current	Tolerance	MFR
	7210-470K-R	0638-0040-1	7210	47uH	3A	+/-10%	SAGAMI ELEC
	7210-680K-R	0638-0047-3	7210	68uH	2.5A	+/-10%	SAGAMI ELEC
	7210-101K	0638-0001-7	7210	100uH	2.1A	+/-10%	SAGAMI ELEC
	7210-151K	0638-0002-0	7210	150uH	1.7A	+/-10%	SAGAMI ELEC
	7210-221K	0638-0003-3	7210	220uH	1.4A	+/-10%	SAGAMI ELEC
	7210-331K	0638-0010-8	7210	330uH	1.1A	+/-10%	SAGAMI ELEC
	7210-471K	0638-0005-9	7210	470uH	950mA	+/-10%	SAGAMI ELEC
	7210-681K	0638-0006-2	7210	680uH	800mA	+/-10%	SAGAMI ELEC
	7210-102K	0638-0007-5	7210	1mH	650mA	+/-10%	SAGAMI ELEC
	7210-152K	0638-0008-8	7210	1.5mH	550mA	+/-10%	SAGAMI ELEC
	7210-222K	0638-0009-1	7210	2.2mH	400mA	+/-10%	SAGAMI ELEC
	7608-332K	0638-0034-8	7608	3.3mH	140mA	+/-10%	SAGAMI ELEC
	7916N-101M	0638-0032-2	7916	100uH	4.4A	+/-20%	SAGAMI ELEC
	22R153C	0160-0223-4	2200R	15uH	1.35A	+/-10%	MURATA
	7212M-101K-R	0638-0029-9	7212M	100uH	1.5A	+/-10%	SAGAMI ELEC
	7B12NA-680M	0638-0011-1	7B12N	68uH	2.2A	+/-20%	SAGAMI ELEC

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● **Fixed Inductor** Continued...

	MFR Part Number	ES Part Number	Series	Inductance	Rated Current	Tolerance	MFR
	9909-C1608CB - 8N2 J	0638-0013-7	C1608CB	8.2nH	700mA	+/-5%	SAGAMI ELEC
	9909-C1608CB - 22N J	0638-0014-0	C1608CB	22nH	700mA	+/-5%	SAGAMI ELEC
	CER7052B-100M-RB	0638-0031-9	CER	10uH	2.4A	+/-20%	SAGAMI ELEC
	CER1065B-150M-RB	0638-0038-1	CER	15uH	4.1A	+/-20%	SAGAMI ELEC
	CER1277B-330M-RB	0638-0041-3	CER	33uH	4.75A	+/-20%	SAGAMI ELEC
	CER8065-101M-R	0638-0027-3	CER	100uH	1.2A	+/-20%	SAGAMI ELEC
	CER7052B-101M-R	0638-0028-6	CER	100uH	730mA	+/-20%	SAGAMI ELEC
	CWR1277C-221M	0638-0018-2	CWR	220uH	1.15A	+/-20%	SAGAMI ELEC
	DR73-1R5-R	0042-0004-8	DR	1.5uH	4.67A	+/-20%	COOPER BUSSMANN / EATON
	EC24-1R0K-TB-N	0219-0009-6	EC	1uH	700mA	+/-10%	TOP-VIEW COILS
	EC24-2R2K-TB-TC-N	0219-0028-1	EC	2.2uH	630mA	+/-10%	TOP-VIEW COILS
	EC22-8R2K-U5*12	0109-0001-5	EC	8.2uH	165mA	+/-10%	3L
	EC24-100K-TB-N	0219-0001-2	EC	10uH	370mA	+/-10%	TOP-VIEW COILS
	EC36-680K-TB-N	0219-0007-0	EC	68uH	306mA	+/-10%	TOP-VIEW COILS
	EC24-101K-TB-TC-N	0219-0029-4	EC	100uH	165mA	+/-10%	TOP-VIEW COILS
	INDUCTOR-220UH	0109-0006-0	EC	220uH	155mA	+/-10%	3L
	EC24-221K-T5	0109-0008-8	EC	220uH	155mA	+/-10%	3L
	EC46-222K-TB-TC-N	0219-0052-5	EC	2.2mH	-	+/-10%	TOP-VIEW COILS
	ISC1210ER100K	0135-0210-2	ISC	10uH	185mA	+/-10%	VISHAY

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● **Fixed Inductor** Continued...

	MFR Part Number	ES Part Number	Series	Inductance	Rated Current	Tolerance	MFR
	LQG15HS2N7S02D	0160-0126-8	LQG	2.7nH	300mA	+/-0.3nH	MURATA
	LQG15HN3N9S02D	0160-0125-5	LQG	3.9nH	300mA	+/-0.3nH	MURATA
	LQG18HN6N8J00D	0160-0288-8	LQG	6.8nH	430mA	+/-5%	MURATA
	LQP15MN6N8B02D	0160-0210-1	LQP15M	6.8nH	130mA	+/-0.1nH	MURATA
	MCHB0810-681K A1	0284-0002-6	MCHB	680uH	550mA	-	MEISONGBEI
	MCHB0608E-102K	0284-0003-9	MCHB	1mH	200mA	-	MEISONGBEI
	NRS5040T2R2NMGJ	0033-0022-9	NRS	2.2uH	5A	+/-30%	TAIYO YUDEN
	NRS5040T3R3NMGJ	0033-0023-2	NRS	3.3uH	4A	+/-30%	TAIYO YUDEN
	P1167.103NLT	0438-0011-3	P1167	10uH	2A	+/-20%	PULSE ELECTRONICS
	PK-DR2W5*7-3R3K-A04X-BK-OT	0219-0032-7	PK	3.3uH	3A	+/-10%	TOP-VIEW COILS
	PK-DR2W8*10-3R3K-A02X-BK-OT	0219-0038-5	PK	3.3uH	-	+/-10%	TOP-VIEW COILS
	PK-DR2W5*7-681K-2R4X-BK-OT	0219-0043-4	PK	680uH	-	+/-10%	TOP-VIEW COILS
	PK-DR2W5*7-102K-4R5X-BK-OT	0219-0031-4	PK	1mH	200mA	+/-10%	TOP-VIEW COILS
	PK-DR2W5*7-122K-6R6X-BK-N	0219-0049-2	PK	1.2mH	210mA	+/-10%	TOP-VIEW COILS

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● **Fixed Inductor** Continued...

	MFR Part Number	ES Part Number	Series	Inductance	Rated Current	Tolerance	MFR
	WBR6HN/50-3.0-3.5	0218-0001-5	R6H	-	3A	-	MINGSTAR
	VD5*13-102K-1R9X-BK	0219-0012-9	VD	1mH	500mA	+/-10%	TOP-VIEW COILS
	VLP4612T-4R7MR72	0169-0076-6	VLP4612	4.7uH	880mA	+/-20%	TDK

Power Relay	26-1
Signal & Telecom Relays	26-7
Solid State Relay	26-9

Power Relay

	MFR Part Number	ES Part Number	Series	Coil Voltage	Switch Function	Contact Rating	MFR
	833H-1C-C 12VDC	0709-0002-2	833	12VDC	SPDT (1 Form C)	10A	SONG CHUAN
	896H-1CH-C1 12VDC 896-1CH-D1-R1 12VDC	0709-0001-9 0709-0004-8	896 896	12VDC 12VDC	SPDT (1 Form C) SPDT (1 Form C)	50A 40A	SONG CHUAN SONG CHUAN
	CMP7-S-DC12V-A-R	0181-0024-0	CMP7	12VDC	SPST (1 Form A)	30A	HKE
	FBR51ND12-WL	0032-0321-4	FBR51	12VDC	SPST (1 Form A)	30A	FUJITSU
	FTR-F1CA005V FTR-F1CA006V FTR-F1CA009V FTR-F1CA012V FTR-F1CA024V	0032-0047-5 0032-0048-8 0032-0049-1 0032-0050-8 0032-0051-1	FTR-F1 FTR-F1 FTR-F1 FTR-F1 FTR-F1	5VDC 6VDC 9VDC 12VDC 24VDC	DPDT (2 Form C) DPDT (2 Form C) DPDT (2 Form C) DPDT (2 Form C) DPDT (2 Form C)	5A 5A 5A 5A 5A	FUJITSU FUJITSU FUJITSU FUJITSU FUJITSU
	FTR-F3AA005E FTR-F3AA005E-HA FTR-F3AA012E-HA FTR-F3AA012E-HA-ZF FTR-F3AA024E-HA	0032-0052-4 0032-0209-5 0032-0118-1 0032-0372-1 0032-0210-2	FTR-F3 FTR-F3 FTR-F3 FTR-F3 FTR-F3	5VDC 5VDC 12VDC 12VDC 24VDC	SPST (1 Form A) SPST (1 Form A) SPST (1 Form A) SPST (1 Form A) SPST (1 Form A)	3A 5A 5A 5A 5A	FUJITSU FUJITSU FUJITSU FUJITSU FUJITSU

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● **Power Relay** Continued...

	MFR Part Number	ES Part Number	Series	Coil Voltage	Switch Function	Contact Rating	MFR
	FTR-H1CA005V	0032-0058-2	FTR-H1	5VDC	SPDT (1 Form C)	10A	FUJITSU
	FTR-H1CA006V	0032-0059-5	FTR-H1	6VDC	SPDT (1 Form C)	10A	FUJITSU
	FTR-H1CA009V	0032-0060-2	FTR-H1	9VDC	SPDT (1 Form C)	10A	FUJITSU
	FTR-H1CA012V	0032-0061-5	FTR-H1	12VDC	SPDT (1 Form C)	10A	FUJITSU
	FTR-H1CA024V	0032-0062-8	FTR-H1	24VDC	SPDT (1 Form C)	10A	FUJITSU
	FTR-H2AK012T	0032-0114-9	FTR-H2	12VDC	SPST (1 Form A)	10A	FUJITSU
	FTR-K1CK005W	0032-0285-5	FTR-K1	5VDC	SPDT (1 Form C)	16A	FUJITSU
	FTR-K1CK012W	0032-0208-2	FTR-K1	12VDC	SPDT (1 Form C)	16A	FUJITSU
	FTR-K1AK012T	0032-0259-5	FTR-K1	12VDC	SPST (1 Form A)	16A	FUJITSU
	FTR-K1AK012T-HT	0032-0343-8	FTR-K1	12VDC	SPST (1 Form A)	16A	FUJITSU
	FTR-K3AB012W	0032-0163-6	FTR-K3	12VDC	SPST (1 Form A)	20A	FUJITSU
	FTR-K3AB012W-HC	0032-0256-6	FTR-K3	12VDC	SPST (1 Form A)	25A	FUJITSU
	FTR-K3AB024W-HC	0032-0257-9	FTR-K3	24VDC	SPST (1 Form A)	25A	FUJITSU
	FTR-K3JB012W	0032-0136-3	FTR-K3	12VDC	SPST (1 Form A)	20A	FUJITSU
	FTR-K3JB024W	0032-0316-5	FTR-K3	24VDC	SPST (1 Form A)	20A	FUJITSU
	FTR-P4CN012W1	0032-0290-4	FTR-P4	12VDC	H-Bridge (1 Form C x2)	25A	FUJITSU

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● **Power Relay** Continued...

	MFR Part Number	ES Part Number	Series	Coil Voltage	Switch Function	Contact Rating	MFR
	FTR-P6GN012WA	0032-0264-4	FTR-P6	12VDC	SPDT (1 Form C)	25A	FUJITSU
	G2RG-2A4 DC12	0262-0079-5	G2RG	12VDC	DPST (2 Form A)	8A	OMRON
	G5LE-14 DC12	0262-0078-2	G5LE	12VDC	SPDT (1 Form C)	10A	OMRON
	G5Q-1A4 DC12 G5Q-14 DC12	0262-0103-1 0262-0104-2	G5Q G5Q	12VDC 12VDC	SPST (1 Form A) SPDT (1 Form C)	10A 10A	OMRON OMRON
	G5SB-14 DC12 G5SB-1A4 DC12	0262-0071-1 0262-0072-4	G5SB G5SB	12VDC 12VDC	SPDT (1 Form C) SPST (1 Form A)	5A 2A	OMRON OMRON
	G8P-1A4P-DC12 G8P-1A4TP-DC12	0262-0011-7 0262-0075-3	G8P G8P	12VDC 12VDC	SPST (1 Form A) SPST (1 Form A)	30A 30A	OMRON OMRON

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● Power Relay Continued...

	MFR Part Number	ES Part Number	Series	Coil Voltage	Switch Function	Contact Rating	MFR
	GU-SS-112DMF	0400-0001-9	GU	12VDC	SPST (1 Form A)	30A	GOOD SKY
	GU-SS-112DF	0400-0006-4	GU	12VDC	SPDT (1 Form C)	20A	GOOD SKY
	GU-SS-112DMFS	0400-0007-6	GU	12VDC	SPST (1 Form A)	30A	GOOD SKY
	GU-SS-112DFS	0400-0008-8	GU	12VDC	SPDT (1 Form C)	20A	GOOD SKY
	HLS8L-DC12V-S-C	0591-0002-0	HLS8-T3	12VDC	SPDT (1 Form C)	10A	HE LI SHUN
	HRS1H-S-DC12V	0181-0025-3	HRS1	12VDC	SPDT (1 Form C)	1A	HKE

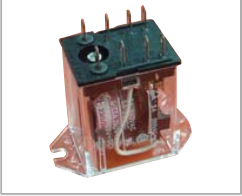
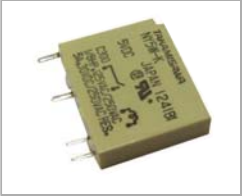
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● **Power Relay** Continued...

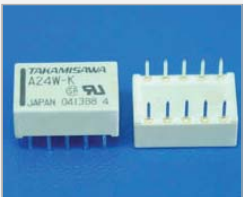
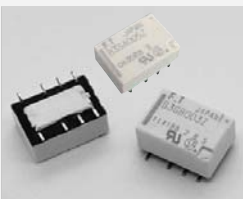
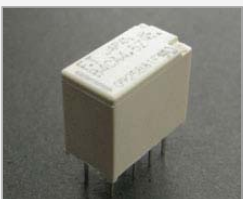
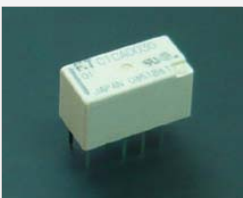
	MFR Part Number	ES Part Number	Series	Coil Voltage	Switch Function	Contact Rating	MFR
	HRS4H-S-DC3V-C	0181-0016-2	HRS4	3VDC	SPDT (1 Form C)	10A	HKE
	HRS4H-S-DC5V-C	0181-0027-9	HRS4	5VDC	SPDT (1 Form C)	10A	HKE
	HRS4-S-DC5V-C	0181-0028-2	HRS4	5VDC	SPDT (1 Form C)	10A	HKE
	HRS4H-S-DC6V-C	0181-0005-5	HRS4	6VDC	SPDT (1 Form C)	10A	HKE
	HRS4H-S-DC12V-C	0181-0003-9	HRS4	12VDC	SPDT (1 Form C)	10A	HKE
	HRS4-S-DC12V-C	0181-0006-8	HRS4	12VDC	SPDT (1 Form C)	10A	HKE
	HRS4H-S-DC24V-C	0181-0004-2	HRS4	24VDC	SPDT (1 Form C)	10A	HKE
	JS-12N-K	0032-0261-5	JS	12VDC	SPDT (1 Form C)	8A	FUJITSU
	JSL-D5N-K	0032-0251-1	JSL	5VDC	SPDT (1 Form C)	8A	FUJITSU
	JSL-D12N-K	0032-0252-4	JSL	12VDC	SPDT (1 Form C)	8A	FUJITSU
	JSL-D24N-K	0032-0329-8	JSL	24VDC	SPDT (1 Form C)	8A	FUJITSU
	JV-12S-KT-LF	0032-0318-1	JV	12VDC	SPST (1 Form A)	5A	FUJITSU
	JV-24S-KT	0032-0145-4	JV	24VDC	SPST (1 Form A)	5A	FUJITSU
	LY2-0-DC12	0262-0013-3	LY	12VDC	DPDT (2 Form C)	10A	OMRON
	LY2-DC24	0262-0048-0	LY	24VDC	DPDT (2 Form C)	10A	OMRON

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● **Power Relay** Continued...

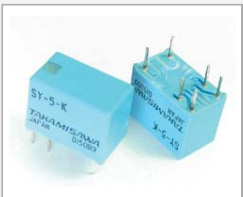
	MFR Part Number	ES Part Number	Series	Coil Voltage	Switch Function	Contact Rating	MFR
	MY2F AC220/240	0262-0081-5	MY	220/ 240VAC	DPDT (2 Form C)	5A	OMRON
	NY-5W-K-IE	0032-0195-4	NY	5VDC	SPST (1 Form A)	5A	FUJITSU
	VE-12H5-K	0032-0278-0	VE	12VDC	SPDT (1 Form C)	5A	FUJITSU
	VFB-12HU-UL	0032-0155-8	VF	12VDC	SPST (1 Form A)	30A	FUJITSU

Signal Relay

	MFR Part Number	ES Part Number	Coil Voltage	Switch Function	Contact Rating	MFR
	A-4.5W-K	0032-0002-4	4.5VDC	DPDT (2 Form C)	1A	FUJITSU
	A-5W-K	0032-0003-7	5VDC	DPDT (2 Form C)	1A	FUJITSU
	AL-D5W-K	0032-0244-6	5VDC	DPDT (2 Form C)	1A	FUJITSU
	A-12W-K	0032-0101-6	12VDC	DPDT (2 Form C)	1A	FUJITSU
	A-24W-K	0032-0119-4	24VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-B3GB003Z-B10	0032-0246-2	3VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-B3SA4.5Z-B10	0032-0169-4	4.5VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-B3GB4.5Z-B10	0032-0281-3	4.5VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-B3GA4.5Z-B10	0032-0331-8	4.5VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-B3SA012Z-B10	0032-0168-1	12VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-B3GB012Z-B10	0032-0282-6	12VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-B4CA4.5Z	0032-0255-3	4.5VDC	DPDT (2 Form C)	1A	FUJITSU
	FTR-C1CA003G-01	0032-0223-5	3VDC	DPDT (2 Form C)	1A	FUJITSU
	NA-5W-K	0032-0228-0	5VDC	DPDT (2 Form C)	1A	FUJITSU
	NA-12W-K	0032-0065-7	12VDC	DPDT (2 Form C)	1A	FUJITSU
	NA-24W-K	0032-0330-5	24VDC	DPDT (2 Form C)	1A	FUJITSU
	RY-3WFZ-K	0032-0247-5	3VDC	DPDT (2 Form C)	2A	FUJITSU
	RY-5W-K-UL	0032-0150-3	5VDC	DPDT (2 Form C)	1A	FUJITSU
	RY-5WFZ-K-UL	0032-0216-0	5VDC	DPDT (2 Form C)	2A	FUJITSU
	RY-9W-K	0032-0070-6	9VDC	DPDT (2 Form C)	1A	FUJITSU
	RY-12W-K-UL	0032-0153-2	12VDC	DPDT (2 Form C)	1A	FUJITSU
	RY-24W-K-UL	0032-0159-0	24VDC	DPDT (2 Form C)	1A	FUJITSU

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• **Signal Relay** Continued...

	MFR Part Number	ES Part Number	Coil Voltage	Switch Function	Contact Rating	MFR
	SY-5-K-UL	0032-0213-1	5VDC	SPDT (1 Form C)	1A	FUJITSU
	SY-12-K	0032-0072-2	12VDC	SPDT (1 Form C)	1A	FUJITSU
	SY-24-K	0032-0177-2	24VDC	SPDT (1 Form C)	1A	FUJITSU

Solid State Relay

	MFR Part Number	ES Part Number	Switch Function	Load Current @ Voltage	Voltage Input	Type	MFR
	AQV210EH	0390-0002-5	SPDT	130mA@350V	1.14 - 1.5V	PhotoMOS	NAIS