

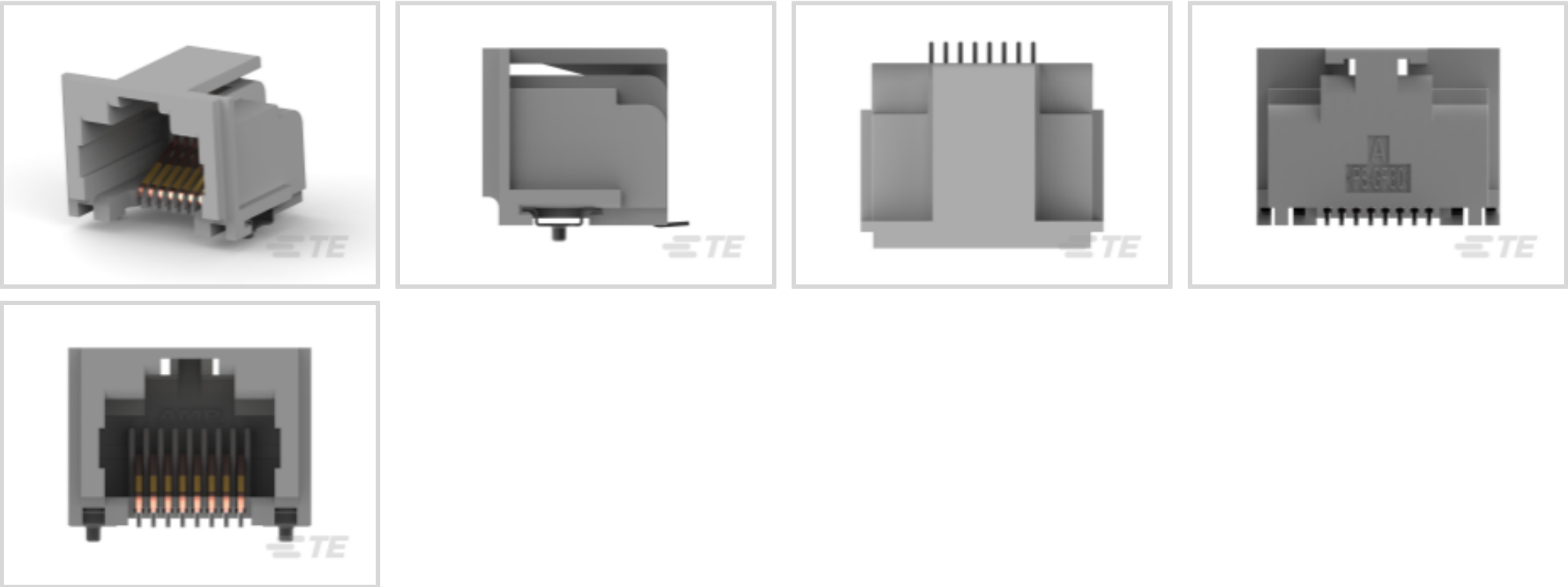


CGS SM

TE Internal #: 5406721-2
RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs,
Standard Connector Contact Density, Jack, Cat 5, Inverted - Latch
Up, CGS SM

[View on TE.com >](#)

Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45**
Port Configuration: **Single Port**
Port Matrix Configuration: **1 x 1**
Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**
Connector Contact Density: **Standard**

Features

Product Type Features

Connector Product Type	Connector Assembly
Modular Jack & Plug Interface Type	RJ45
Modular Jacks & Plugs Products	RJ Type Jacks & Plugs
Modular Connector Style	Jack
Grounding Options	None
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Status Indicator Type	None
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle



Body Features

PCB Retention Feature Material	Phosphor Bronze
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Low

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
Termination Post & Tail Length	1.52 mm[.059 in]

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Panel Stops
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount, Panel Mount

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	1.02 mm[.04 in]
Housing Color	Gray
Housing Material	High Temperature Thermoplastic

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	12.4 mm[.488 in]

Usage Conditions

Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]
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Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards



UL Flammability Rating	UL 94V-0
Performance Category	Cat 5

Packaging Features

Packaging Quantity	200
Packaging Method	Tape & Reel

Product Compliance

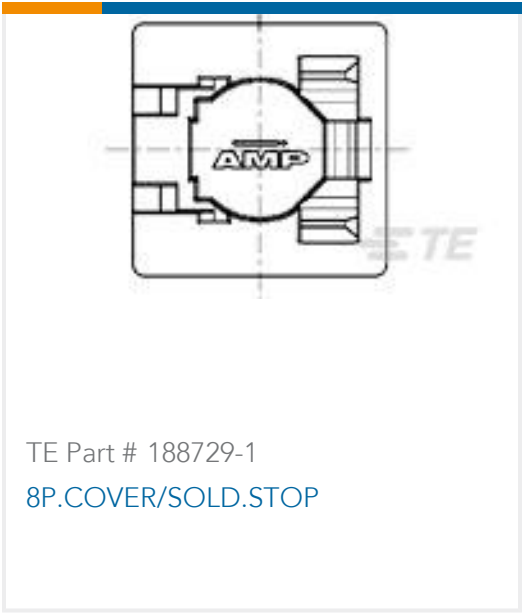
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 188729-1
8P.COVER/SOLD.STOP

Also in the Series | CGS SM



Battery Holders(1)



Expanded Beam Fiber Optics(9)



LC Connectors(2)



RJ14 Connectors(1)



RJ22 Connectors(1)



RJ25 Connectors(1)



RJ45 Connectors(3)



SD Card Connectors(1)



Surface Mount Resistors(545)

Customers Also Bought



TE Part #52937
TERMINAL,PIDG SPR SPD 16-14 10



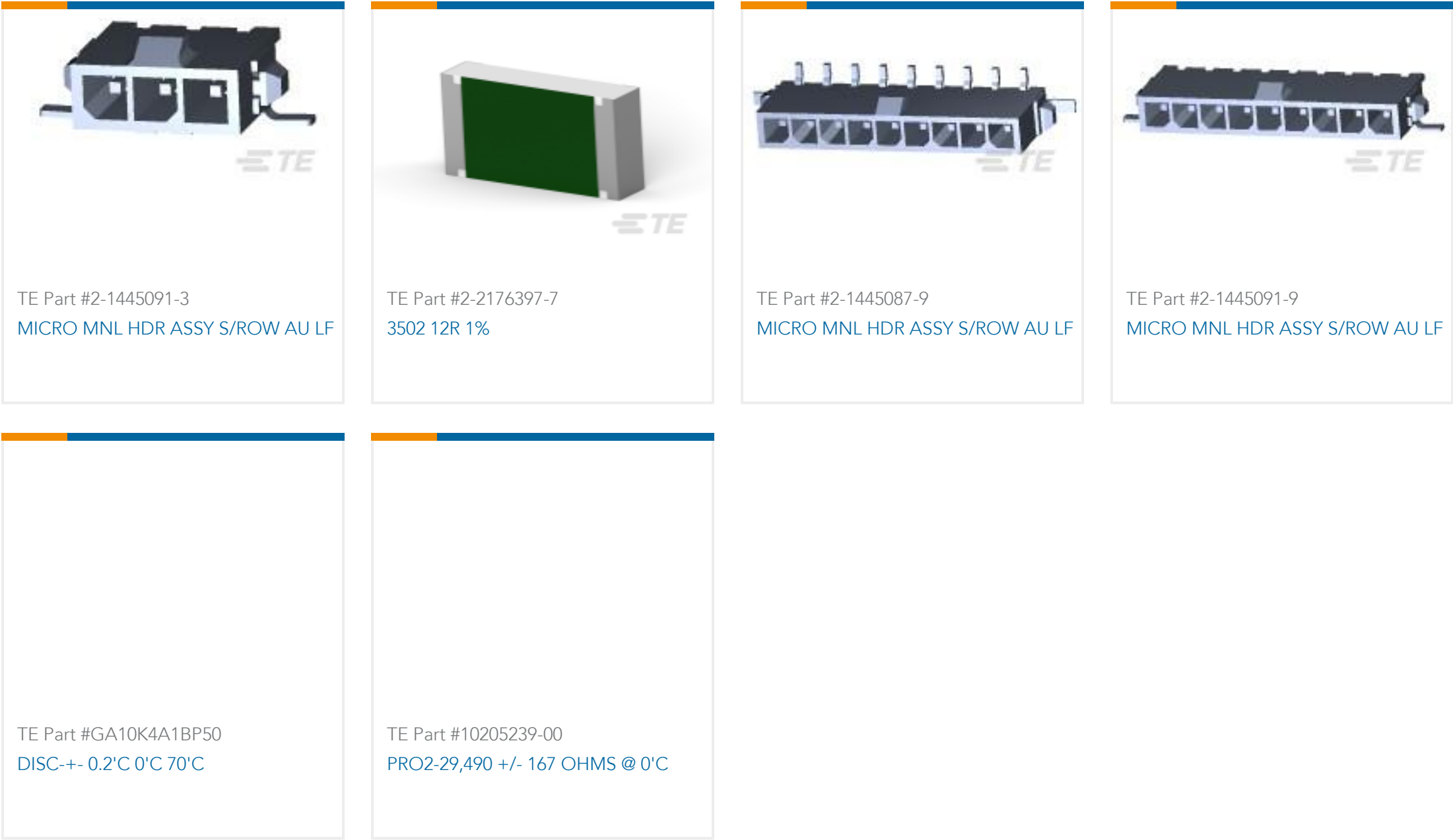
TE Part #292175-4
CT BOX HDR V SMT 4P O/TAPE NAT



TE Part #1-179188-2
DYNAMIC H HDR ASSY SMT 8PSGL



TE Part #3-2176055-3
RLP73K 2B R22 1% 1K RL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5406721-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5406721-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5406721-2_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

82066 - Modular Jacks and MRJ21 Product catalog - Single Port Modular Jacks section

English

1-1773464-9_MODULAR_JACKS_SINGLE_PORT_PCB_MOUNT

English

Product Specifications

Application Specification

English

Application Specification

English

Product Environmental Compliance



[MD_5406721-2_102220181245_dmtec](#)

English

[MD_5406721-2_102220181245_dmtec](#)

English

Agency Approvals

[UL Report](#)

English

LOC		DIST		REVISIONS			
IR	-	P	LYR	DESCRIPTION	DATE	OWN	APVD
				E	The width is increased from 18.74mm to 17.0mm	07DEC2010	PS
				E1	ECR-10-026537	08AUG11	KK

1 MATERIAL: HOUSING - HIGH TEMPERATURE THERMOPLASTIC, COLOR PER PART NUMBER TABLE
TERMINALS - 0.3 [0.012] THICK COPPER ALLOY PLATED WITH (SEE TABLE) MINIMUM GOLD IN LOCALIZED CONTACT AREA, 2.5µm [0.000100] MINIMUM MATTE TIN ON TERMINATION END, OVER 1.27µm [0.000500] MINIMUM NICKEL OVER THE ENTIRE TERMINAL
BOARDLOCK - PHOS BRONZE, 1/2 HARD, 2.54µm [0.000100] MINIMUM MATTE TIN OVER 1.27µm [0.000500] MINIMUM NICKEL

2 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68, SUBPART F

3 DATUM ESTABLISHED BY CUSTOMER

4 PACKAGING TAPE AND REEL: (PER EIA 481 SPEC)
TAPE - 32mm [1.26] WIDE
POCKET PITCH - 24mm [0.945]
CORRUGATED REEL DIAMETER - 560mm [22.0]
PIECES/REEL - 650

5 PACKAGING TAPE AND REEL: (PER EIA 481 SPEC)
TAPE - 32mm [1.26] WIDE
POCKET PITCH - 24mm [0.945]
PLASTIC REEL DIAMETER - 330mm [13.01]
PIECES/REEL - 200

6 CONNECTOR SHOULD BE POSITIONED THROUGH PANEL CUTOUT AS SHOWN TO SUPPORT TOP OF MODULAR JACK FOR STRAIN RELIEF

7 MANUFACTURING DATE CODE LOCATED APPROXIMATELY AS SHOWN. FIRST 2 DIGITS ARE YEAR, SECOND 2 DIGITS ARE WORK WEEK, LAST DIGIT IS THE DAY OF THE WEEK

8 THESE PART NUMBERS ARE SUBJECT TO FURTHER VALIDATION TESTING FOR DURABILITY REQUIREMENTS LISTED ON PRODUCT SPECIFICATION

9 OBSOLETE

1	0.76µm[0.00030]	GREEN	5	8	1-5406721-6	9
	0.76µm[0.00030]	GREEN	4	8	1-5406721-5	
	0.76µm[0.00030]	BLACK	5	8	1-5406721-4	
	0.76µm[0.00030]	BLACK	4	8	1-5406721-3	
	0.76µm[0.00030]	GRAY	5	8	1-5406721-2	9
	0.76µm[0.00030]	GRAY	4	8	1-5406721-1	
NONE	1.27µm[0.00050]	GRAY	5		5406721-7	
1	1.27µm[0.00050]	GREEN	5		5406721-6	
	1.27µm[0.00050]	GREEN	4		5406721-5	9
	1.27µm[0.00050]	BLACK	5		5406721-4	
	1.27µm[0.00050]	BLACK	4		5406721-3	
	1.27µm[0.00050]	GRAY	5		5406721-2	
	1.27µm[0.00050]	GRAY	4		5406721-1	
MARKING	MIN GOLD THICKNESS	HOUSING COLOR	PACKAGING	PART NUMBER		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN	27JULY2005
DIMENSIONS: mm[INCHES]		CHK	J. AHERON/J. A. MAYER
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	J. WESTMAN
0 PLC ±		NAME	S. FLICKINGER
1 PLC ±		PRODUCT SPEC	108-1689
2 PLC ±		APPLICATION SPEC	114-6040
3 PLC ±		SIZE	CAGE CODE
4 PLC ±		WEIGHT	1.46 gram
ANGLES		CUSTOMER DRAWING	SCALE 4:1
FINISH		SHEET	1 OF 1
SEE NOTE 1		REV	E1

