



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **2**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Socket



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

	.43 in
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Certified, Recognized
Agency/Standard Number	E28476
CSA File Number	LR16455
VDE Tested	No
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

For Use With	Pin (Cap) Housing
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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: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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>

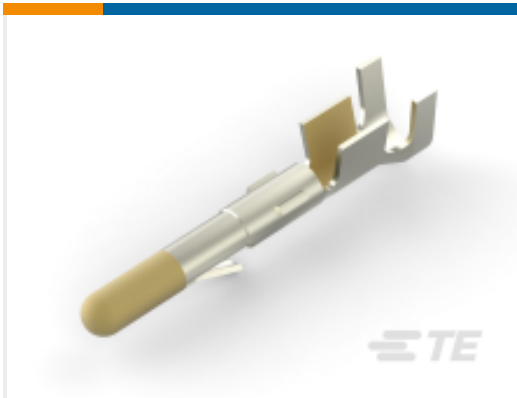
Compatible Parts



TE Part # 60619-5
CMNL SOK AUBR L/P



TE Part # 60617-5
CMNL SOK AUBR L/P



TE Part # 60618-5
CMNL PIN AUBR L/P

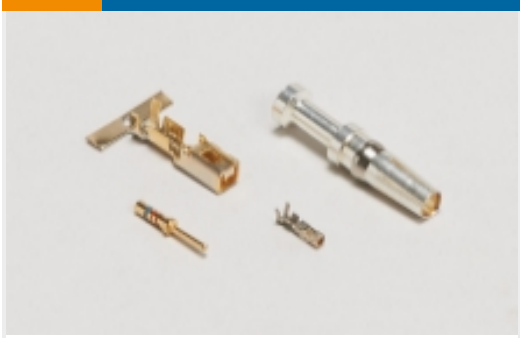
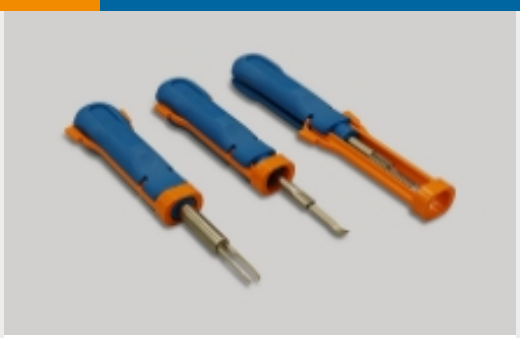
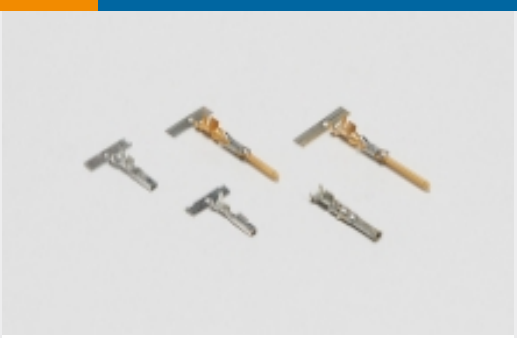


TE Part # 60617-4
CMNL SOK PTPPHBZ L/P



 TE Part # 61174-1 CMNL PIN L/P PTBR	 TE Part # 794012-1 02P CMNL CAP HSG W/POS LOCK	 TE Part # 61173-1 CMNL SOK 30-22 PTBR L/P	 TE Part # 60619-1 CMNL SOK PTPBR L/P
 TE Part # 60620-1 CMNL PIN 20-14 TPBR L/P	 TE Part # 60617-1 CMNL SOK SNBR L/P	 TE Part # 60620-4 CMNL PIN 20-14 TPPHBZ L/P	 TE Part # 163304-2 MATENLOK SOCKET SDW
 TE Part # 163305-2 MATENLOK PIN SDW	 TE Part # 60619-4 CMNL SOK PTPPHBZ L/P	 TE Part # 61118-5 CMNL PIN 20-14 AUNIBR	 TE Part # 350540-1 02P CMNL HDR ASSY LONG NATL
 TE Part # 350539-1 02P CMNL HDR ASSY SHORT NATL	 TE Part # 61116-4 CMNL PIN 24-18 TTPHBZ	 TE Part # 350557-4 MNL SOK SPECIAL .0125PTPHBZ	 TE Part # 61314-4 CMNL SOK 24-18 TTPHBZ

Also in the Series | Commercial MATE-N-LOK

 Connector Contacts(26)	 Crimp Wire Pins, Tabs & Ferrules(3)	 Insertion & Extraction Tools(5)	 Power Contacts(129)
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Rectangular Caps & Covers(2)



Rectangular Connector Housings(17)



Rectangular Connector Seals(1)



Rectangular Power Connectors(171)



Standard Circular Connectors(4)



Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

Customers Also Bought



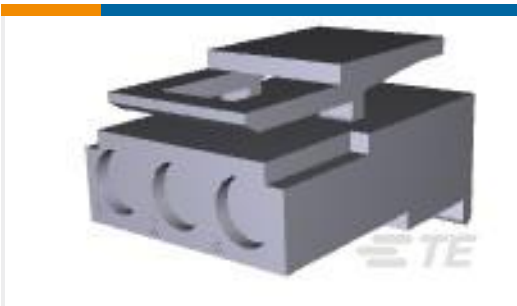
TE Part #440129-7
2.0MM,HSG,7POS



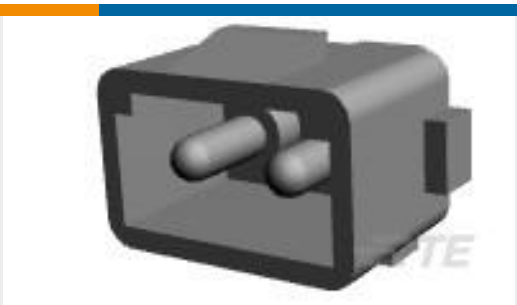
TE Part #1879363-4
THS75 4R7 5%



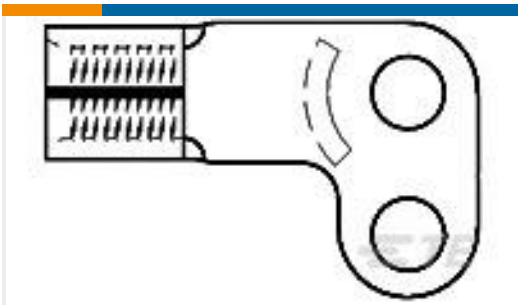
TE Part #794012-1
02P CMNL CAP HSG W/POS LOCK



TE Part #1-480721-0
03P CMNL PLUG HSG W/LOK NATL



TE Part #350539-1
02P CMNL HDR ASSY SHORT NATL



TE Part #696035-2
SOLIS RING 6, #10, TAPE



TE Part #173090-2
ECONOSEAL, CONNECTOR HOUSING



TE Part #440055-8
2.0MM,HDR,8POS,R/A



TE Part #4-1579008-3
EXTRACTION TOOL

Documents



Product Drawings

02P CMNL PLUG HSG W/LOK NATL

English

CAD Files

Customer View Model

ENG_CVM_1-480720-0_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-480720-0_H.3d_igs.zip

English

Customer View Model

ENG_CVM_1-480720-0_H.3d_stp.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-480720-0_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-480720-0_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-480720-0_R.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

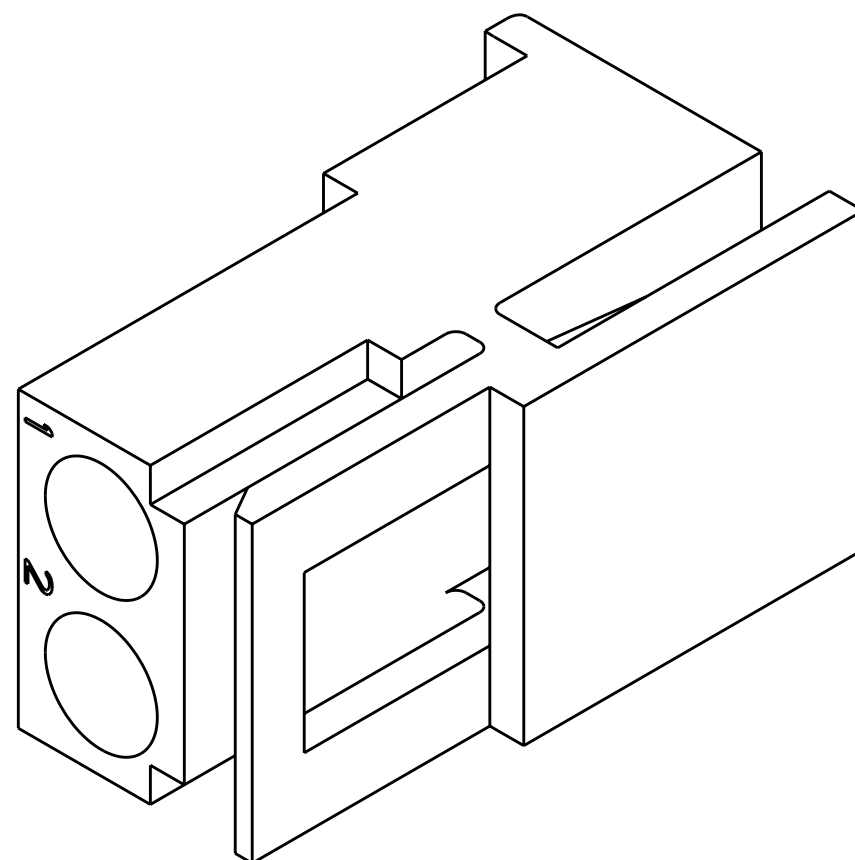
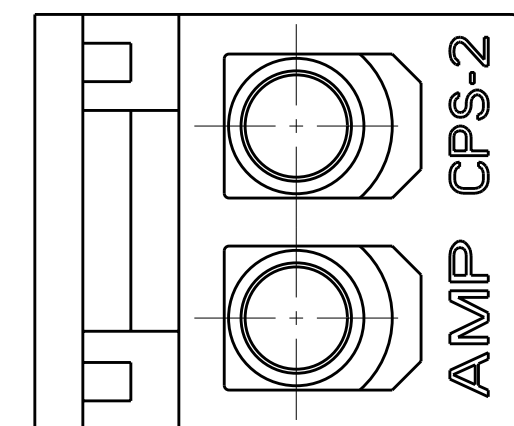
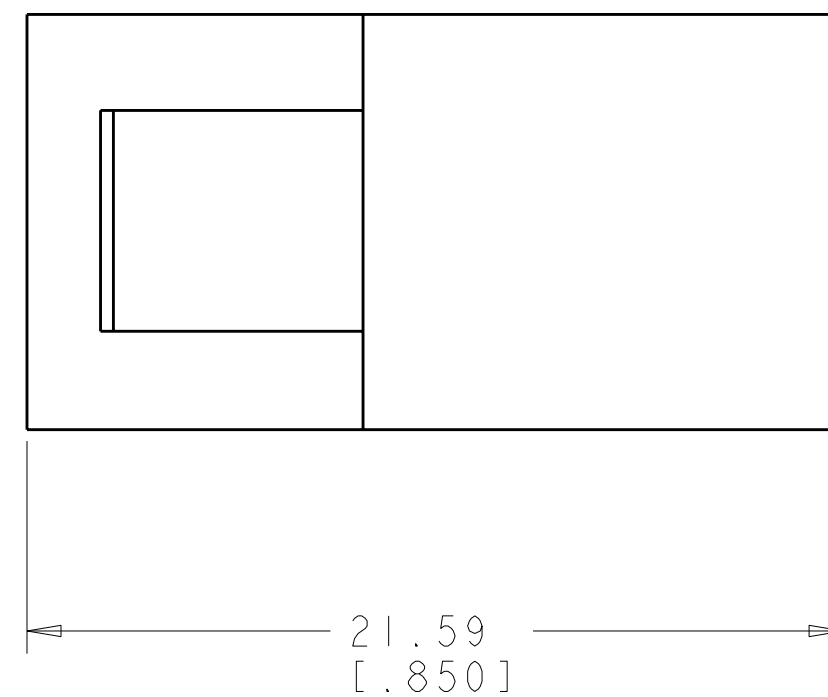
MD_1-480720-0_03092018140_dmtec

English

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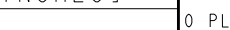
English

LOC	DIST	REVISIONS					
CM	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			JI	REVISED PER ECO-11-005027	18MAR2011	RK	HMR



0.078 IN ³	1-480720-0
VOLUME	PART NUMBER



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27FEB2008 K. WHITAKER		 TE Connectivity					
		CHK 27FEB2008 C. CASH							
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME					
		APVD 27FEB2008 C. CASH		PLUG, 2 CIRCUIT, COMMERCIAL MATE-N-LOK(TM)					
		PRODUCT SPEC							
		-							
		APPLICATION SPEC							
		-							
MATERIAL		FINISH		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
NYLON, NATURAL				A2	00779	C- 480720	-		
CUSTOMER DRAWING						SCALE	SHEET	OF	REV
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