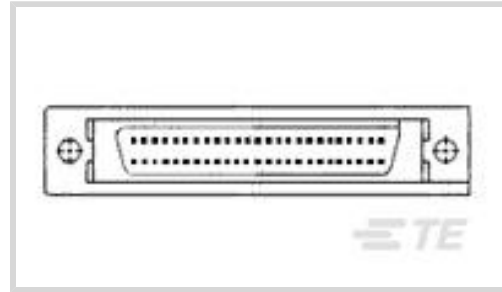




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Plug**

Connector System: **Board-to-Board**

Number of Positions: **50**

Centerline (Pitch): **1.27 mm [ .05 in ]**

Number of Rows: **2**

## Features

### Product Type Features

Post Plate Material	Thermoplastic
Shell Type	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Connector Type	Connector Assembly
Product Type	Connector

### Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features

Retention Leg Plating Material	Brass
Retention Leg Material	Nickel
Post Plating Material	Tin over Nickel
Connector Profile	Standard
Shield Material	Zinc
Shell Material	Zinc Die Cast
Shell Plating Material	Nickel over Copper

Shield Plating Material	Nickel over Copper
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### Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Square
	30 $\mu$ m

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.1 mm[.122 in]

### Mechanical Attachment

PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	Without

### Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	PBT
Housing Color	Black

### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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### Usage Conditions

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

Circuit Application	Signal
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### Industry Standards

Post Plate Flammability Rating	UL 94V-0
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UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Method

Tray

Packaging Quantity

90

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Yet Reviewed

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: DEC 2011 (71)  
 SVHC > Threshold:  
 Not Yet Reviewed

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

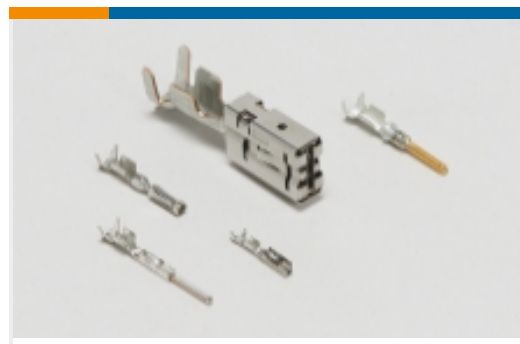
Also in the Series | [0.50 Connector System](#)



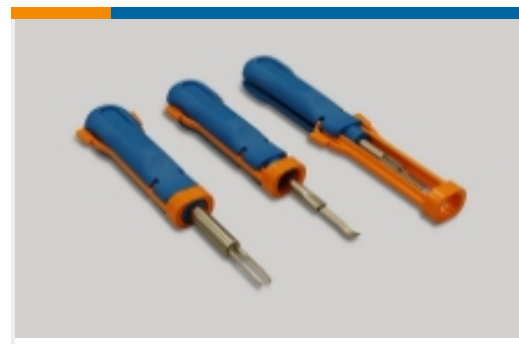
Automotive Housings(28)



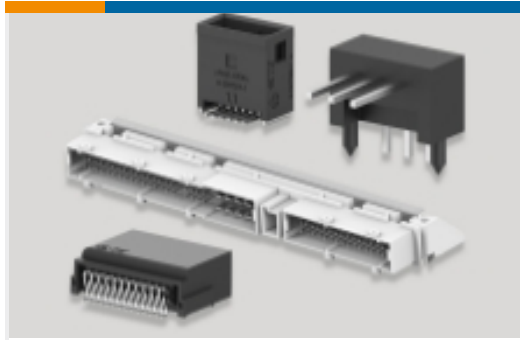
Automotive Seals & Cavity Plugs(2)



Automotive Terminals(8)



Insertion & Extraction Tools(1)

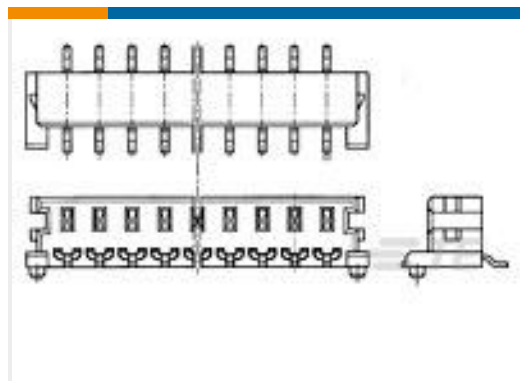


PCB Headers & Receptacles(15)

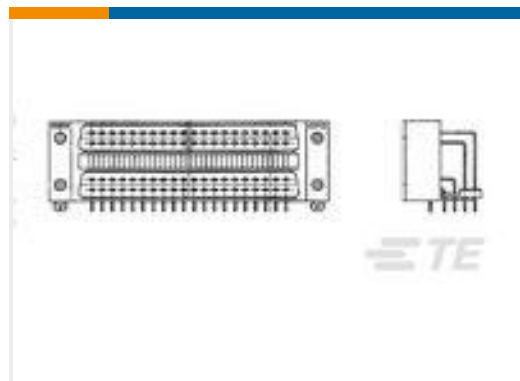
## Customers Also Bought



TE Part #1-2349815-2  
D3950 REC 8POSN. 1ROW X KEY MARKED



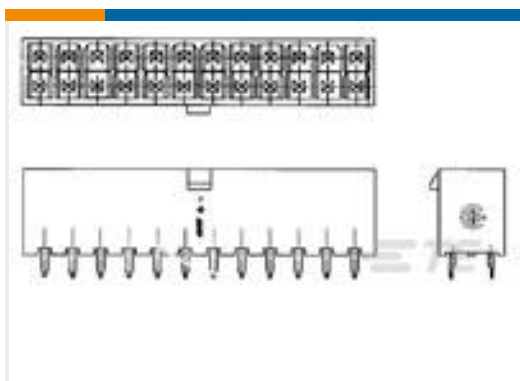
TE Part #7-917570-2  
1.5 B-T-W HDR ASSY 12P W/O BOS



TE Part #900412-2  
PC I/O RETENTION LEG ASSY 80P



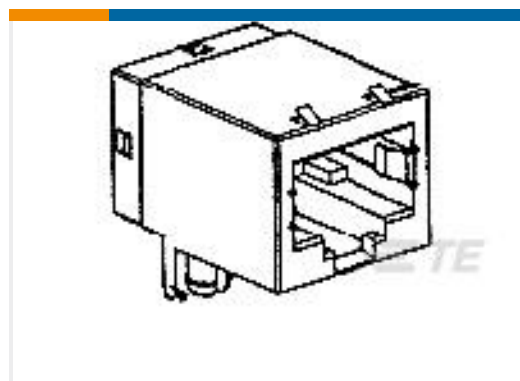
TE Part #1473226-1  
SOCKET WITH RING MINI U-M-N-L



TE Part #2-1586038-2  
22P VRT HDR VAL-U-LOK V0



TE Part #2229093-1  
MOD JACK ASSEMBLY V-TYPE H=21.7mm



TE Part #5558342-3  
MJ,8POS,R/A,CAT5,SHLD,PC GND



TE Part #ASA021N00210235000  
623 PLUG

## Documents

### Product Drawings

AMPLIMITE 050 SRS CONTACT

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5174339-4\_A.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_5174339-4\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5174339-4\\_A.3d\\_stp.zip](#)

English

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

**Product Specifications**

[Product Specification](#)

English