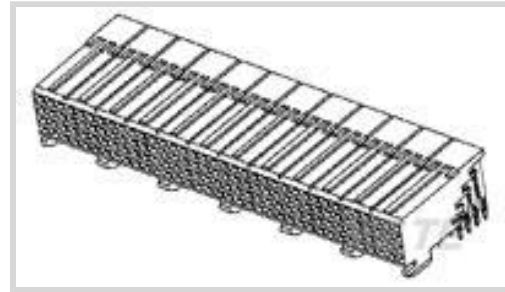




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **16**

Centerline (Pitch): **2 mm [ .079 in ]**

## Features

### Product Type Features

Series	Signal
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Sequencing	No
Number of Rows	4
Number of Signal Positions	72
PCB Mount Orientation	Right Angle
Number of Positions	16
Board-to-Board Configuration	Right Angle

### Electrical Characteristics

Insulation Resistance	4 MΩ
Operating Voltage	30 VAC
Impedance	72 Ω

### Contact Features

	23.622 μin
Contact Layout	Matrix

PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
Contact Type	Socket
Contact Current Rating (Max)	5 A

### Termination Features

Termination Post & Tail Length	3.55 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole

### Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Color	Natural
Housing Material	LCP (Liquid Crystal Polymer)

### Dimensions

Connector Height	11.8 mm[.464 in]
PCB Thickness (Recommended)	1.3 mm[.051 in]

### Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}$ C[-67 – 257 $^{\circ}$ F]
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### Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	16
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Packaging Method

Tube

## 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: JAN 2019 (197)  
Candidate List Declared Against: JAN 2019 (197)

Halogen Content

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

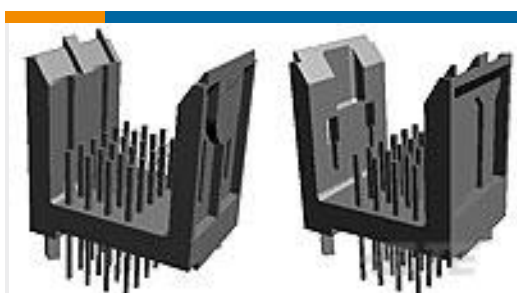
Solder Process Capability

Not applicable for solder process capability

### Product Compliance Disclaimer

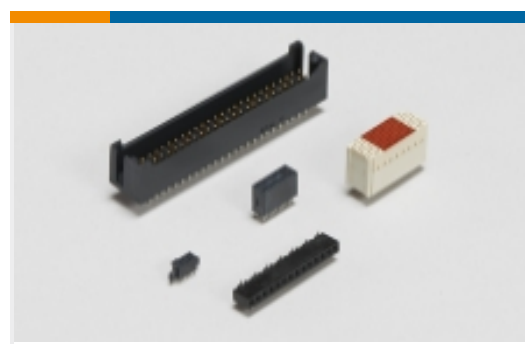
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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.

## Compatible Parts

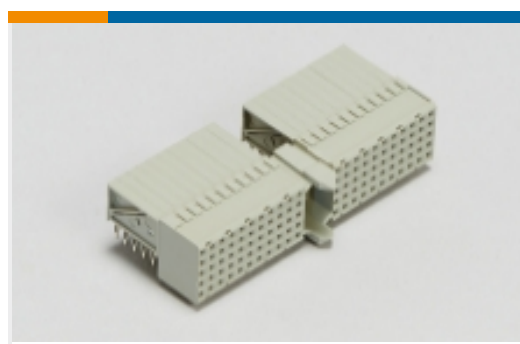


TE Part # 1-536501-1  
2MM FB,ASY,72,SIG,HDR,  
SL,6.50

Also in the Series | **Z-PACK Future Bus+**



Board-to-Board Headers & Receptacles(168)



Hard Metric Backplane Connectors(1)



PCB Connector Shrouds(9)

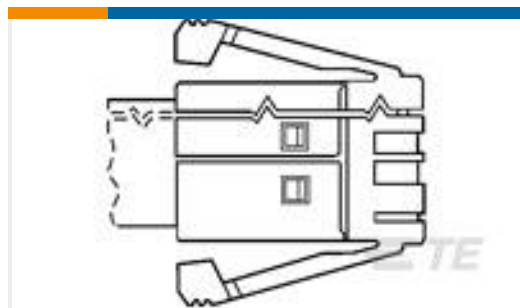


Rectangular Power Connectors(35)

## Customers Also Bought



TE Part #448435-2  
ADAPTER PLUG



TE Part #1-1761187-6  
16 SDL FLAT PLUG ASSY



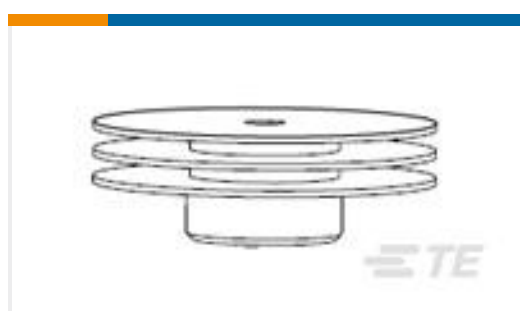
TE Part #1051950-1  
2034 5031 00



TE Part #147055-1  
11/12 MODII 2PC CE  
RCPT ASSY



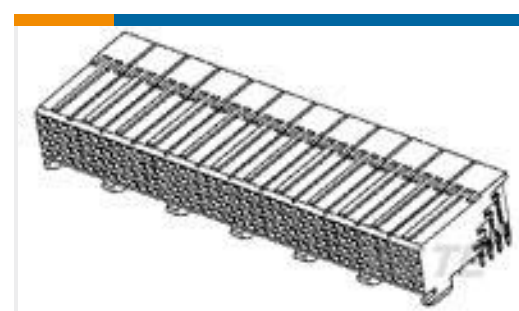
TE Part #228664-2  
UHF PLUG-MINIATURE



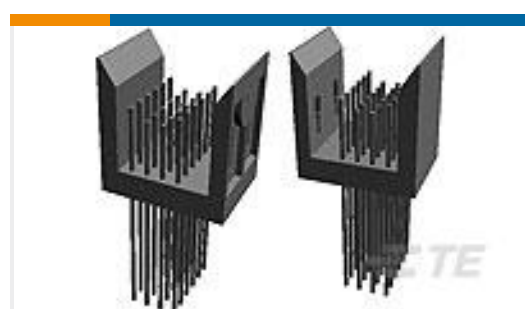
TE Part #4-1542003-0  
HTS568-U=25MM HS  
ASSY ULTEM CL



TE Part #5-6450130-8  
MBXL R/A HDR 4P+24S+2P



TE Part #536511-8  
2MM FB,ASY,168,SIG,REC,  
EN,3.55



TE Part #536540-3  
2MM FB,ASY,096,SIG,HDR,  
EN,SEQ



TE Part #748507-1  
15 RCPT CS W/SL,HDP-20

## Documents

### Product Drawings

[2MM FB,ASY,072,SIG,REC,EN,3.55](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-536511-2\\_AC.3d\\_stp.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-536511-2\\_AC.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-536511-2\\_AC.3d\\_igs.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English