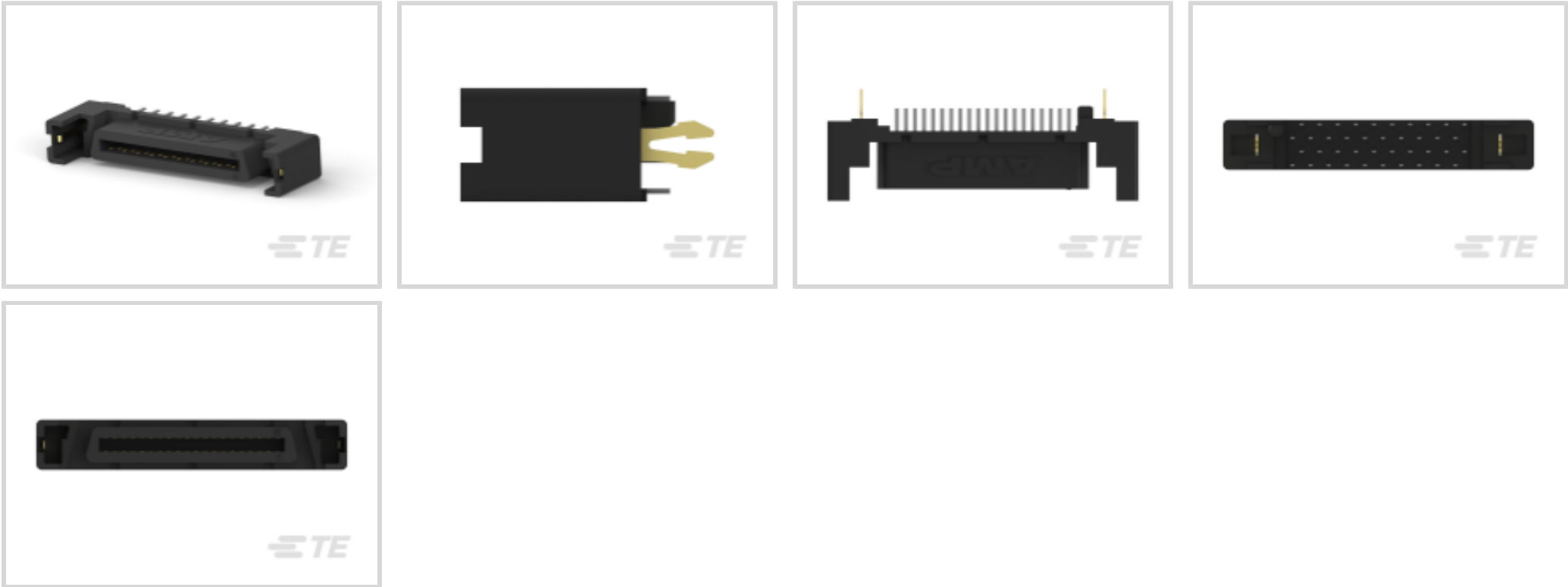




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

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

Features

Product Type Features

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

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	40

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	2 MΩ

Body Features

PCB Retention Feature Material	Brass
--------------------------------	-------



PCB Retention Feature Plating Material	Tin over Nickel
Connector Profile	Standard

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	3.35 A

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Boardlock, Retention Leg
Mating Alignment Type	Polarized
PCB Mount Alignment Type	Post Polarization
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

	.76 in
Connector Height	11.5 mm[.45 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]



Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	50
Packaging Method	Tube

Product Compliance

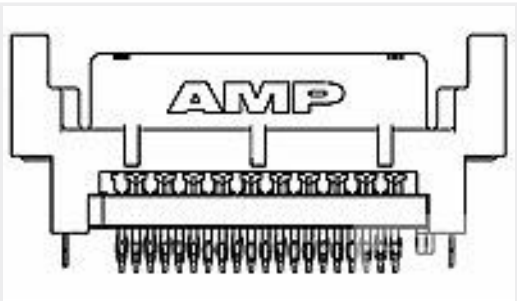
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	Pin-in-Paste capable to 260°C

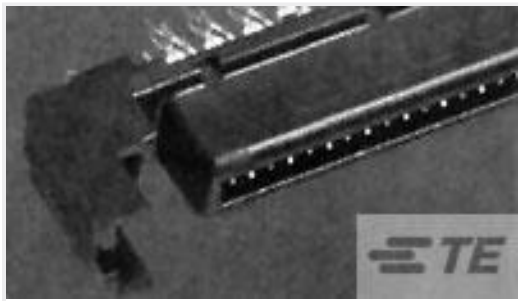
Product Compliance Disclaimer

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>

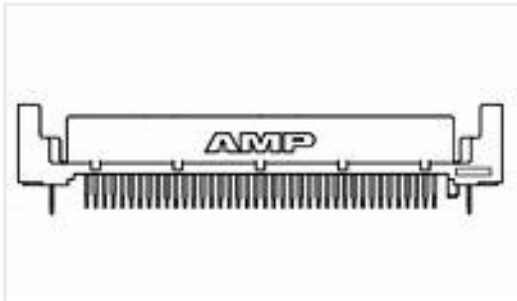
Compatible Parts



TE Part # 796068-3
40 BMATE PFT RCPT ASSY PB FREE



TE Part # 796067-3
20 BMATE PFT RCPT ASSY PB FREE

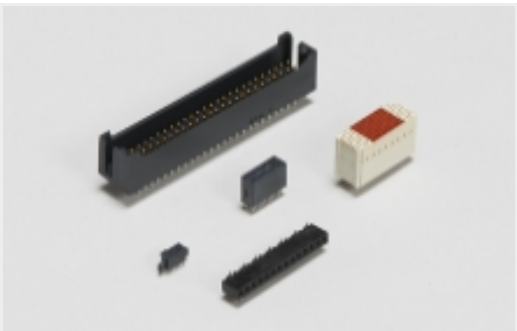


TE Part # 787311-4
80 BMATE RCPT ASSY, PB FREE

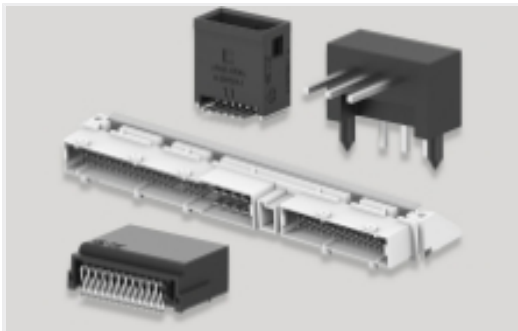


TE Part # 788389-2
40 CHAMP BLDMT EXT/HT RCT LD FREE

Also in the Series | CHAMP .050 Blindmate



Board-to-Board Headers & Receptacles(5)

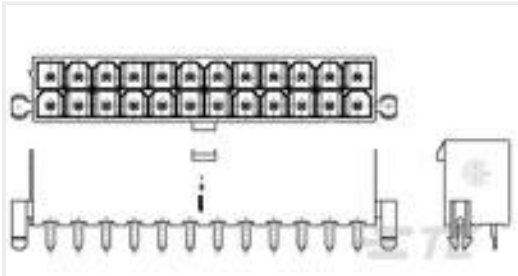


PCB Headers & Receptacles(5)

Customers Also Bought



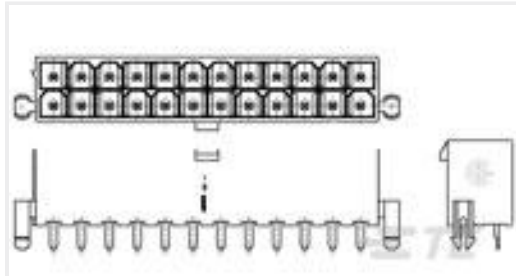
TE Part #2102157-2
Fortis Zd 3Pr 10Col Vert Full Shrd Assy



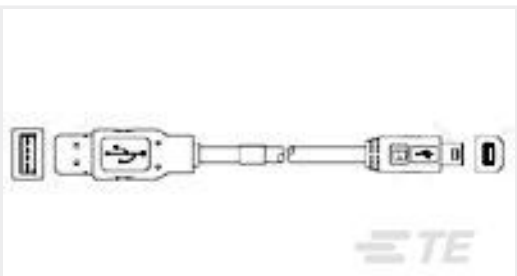
TE Part #1586039-6
6P VAL-U-LOK VRT HDR W/P V2



TE Part #487547-1
FFC RCPT CONTACT .050CL



TE Part #1-2029265-6
16P VAL-U-LOK VRTHDR W/PGS GW



TE Part #1496476-3
STD USB-A TO MINI-B ASSY 2.0M



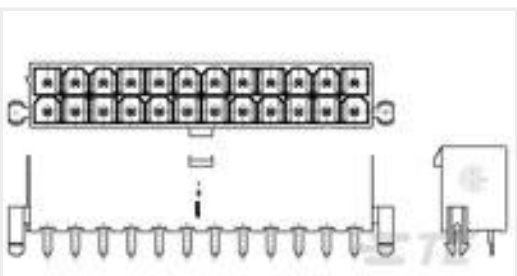
TE Part #1969818-1
09P UMNL PIN HDR ASSY NATL, PIN V0 GW



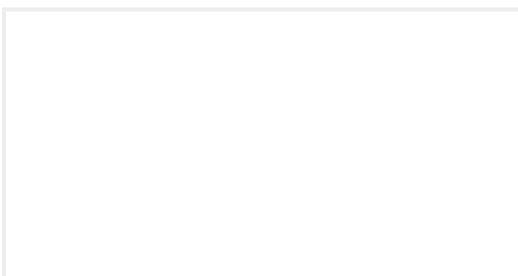
TE Part #5748904-1
AMP III PLUG 15P RA 318 THD IN



TE Part #8-6609107-1
PS0S0DSXB=C1265



TE Part #1-1586039-0
10P VAL-U-LOK VRT HDR W/P V2



TE Part #ZPF000000000200899
D-BOX-D-CD-L 01



Documents

Product Drawings

40 BMATE RCPT ASSY, PB FREE

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_787317-4_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_787317-4_J.3d_igs.zip

English

Customer View Model

ENG_CVM_787317-4_J.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English