

0.8 BTB FS 3H PLUG 12P PLT-C

✓ ACTIVE

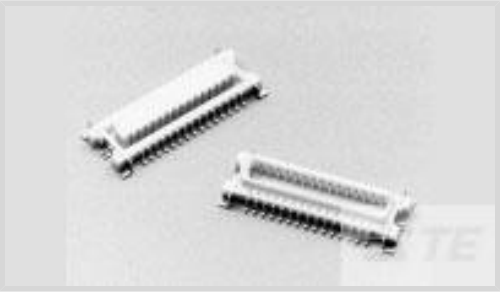
TE Part # 5-1775014-4

TE Internal #: 5-1775014-4

[View on TE.com >](#)



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



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Centerline (Pitch): **.8 mm [.031 in]**

Features

Product Type Features

Series	Fine Stack
PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	2
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	12
Board-to-Board Configuration	Mezzanine

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 MΩ
Operating Voltage	50 VAC

Body Features

Connector Profile	Low
Cover Material	Thermoplastic

Contact Features

Contact Layout	Inline
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PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Shape	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 μm[100 μin]
Contact Type	Tab
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
PCB Mount Retention Type	None
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	.8 mm[.031 in]
Housing Color	Black
Housing Material	Nylon 6T

Dimensions

Connector Height	2.8 mm[.11004 in]
Stack Height	3 mm[.118 in]

Usage Conditions

High Temperature Compatible	Yes
Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1500
Packaging Method	Tape & Reel

Other

Comment	Plastic cap included
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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: JAN 2019 (197) Candidate List Declared Against: JUN 2013 (144)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder 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 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.

Customers Also Bought

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TE Part # 5-1775014-4
TE Internal #: 5-1775014-4



TE Part #1717379-4
EMBOSS ASSY DDR2
SODIMM SOCKET 200P
5.2H



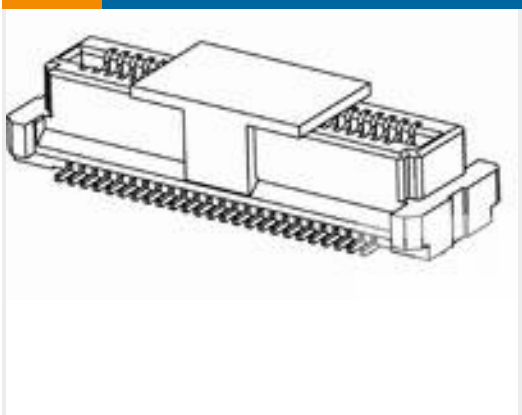
TE Part #1-1734580-3
MOD-Jack,RJ45, 10P10C,
SHD LP, 30u" Au



TE Part #1-1735438-1
MiniDIMM,R/A,1.8V,DDR2,
RVS,15Au/AuFl



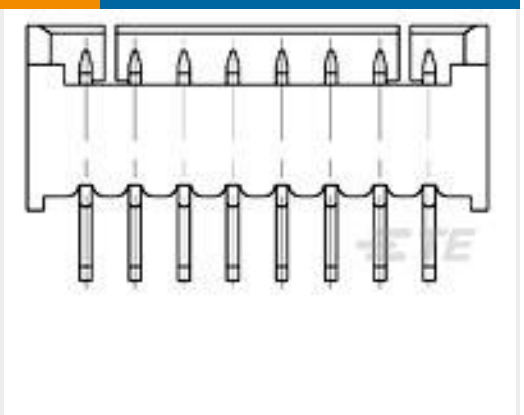
TE Part #1759898-1
0.6 BTB 50 Posn MH_5.5
Plug



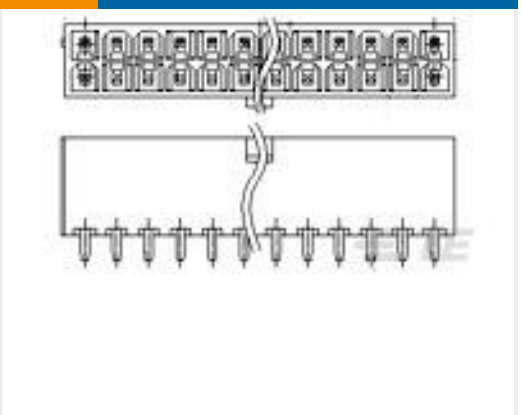
TE Part #1759899-1
0.6 BTB 50 Posn MH_5.5
RCPT



TE Part #1982198-1
INV.MOD.JACK,4/4POS,
HANDSET SM



TE Part #4-1734598-8
1.25 WTB HDR DIP L3.7 8
POS



TE Part #4-1775099-4
ATX PWR CONN 12 POS



TE Part #6450820-3
MBXL VERT HDR
3P+32S+3P



TE Part #6450870-8
MBXLE R/A RCPT
3P+32S+3P

Documents

Product Drawings

0.8 BTB FS 3H PLUG 12P PLT-C

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1775014-4_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1775014-4_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1775014-4_G.3d_stp.zip

English