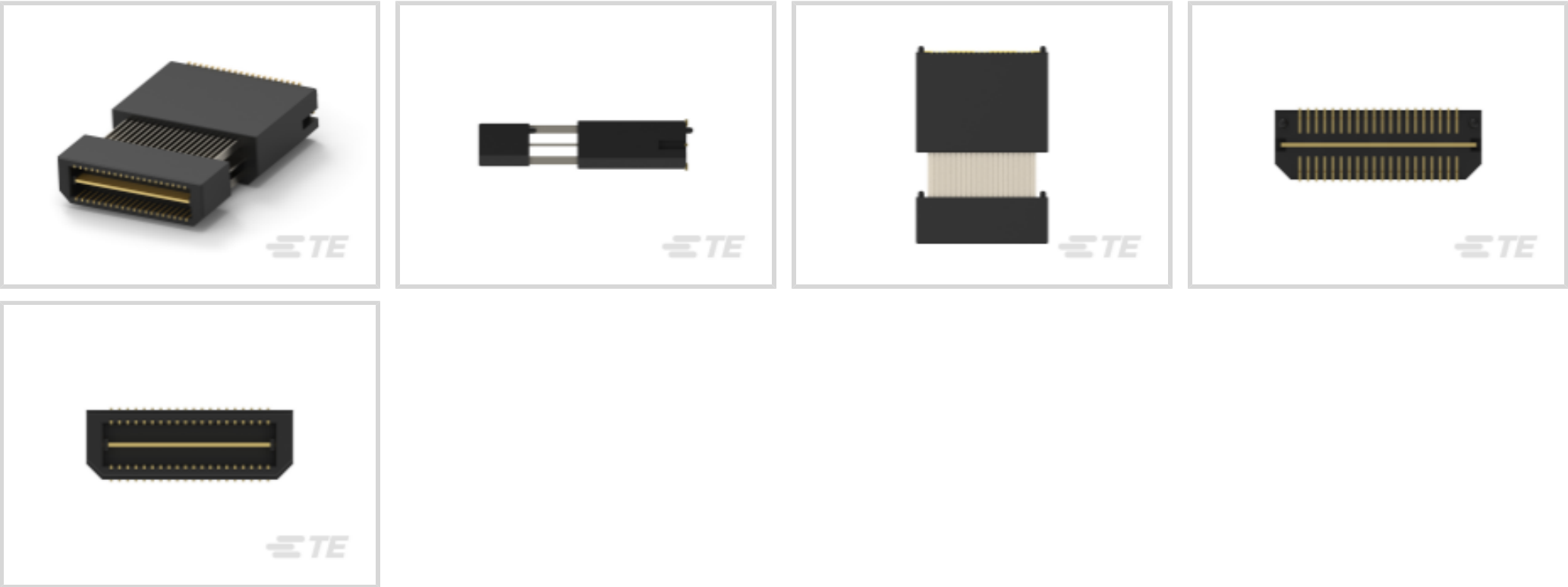




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **40**  
Centerline (Pitch): **.8 mm [ .031 in ]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	2
Stackable	No
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	40
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	675 VAC
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Insulation Resistance	2 MΩ
Impedance	100 Ω
Operating Voltage	125 VAC

Contact Features

PCB Contact Termination Area Plating Material Thickness	.76 μm[29.9212 μin]
Mating Tab Width	.38 mm[.015 in]
Mating Tab Thickness	.2 mm[.008 in]
Contact Shape & Form	Single Beam, Square
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Select Gold
Contact Mating Area Plating Material Thickness	.76 μm[29.9212 μin]
Contact Type	Pin
Contact Current Rating (Max)	1.25 A, 9.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.94 mm[.037 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	.8 mm[.031 in]
Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Height	29.24 mm[1.149 in]
Row-to-Row Spacing	4.73 mm[.186 in]



Stack Height	30 mm[1.181 in]
PCB Thickness (Recommended)	.06 mm[.8 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Assembly Process Feature	None
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	54
Packaging Method	Box & Tray, Tray

Other

Comment	Use of stand offs recommended. Contact Product Engineering for recommendations.
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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 2021 (211) Candidate List Declared Against: JUN 2012 (84) 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	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.

Compatible Parts

 <p>TE Part # 1658462-1 MSB0.80RC-ASY040FL,-,30,-TY</p>	 <p>TE Part # 1658012-1 MSB0.80RC-ASY040FL,-,10,-TY</p>	 <p>TE Part # 1658043-1 MSB0.80RC-ASY040FL,-,F,-TY</p>	 <p>TE Part # 2-1658012-1 MSB0.80RC-ASY040FL,-,10,-TY</p>
 <p>TE Part # 6-1658012-1 MSB0.80RC-ASY040FL,GP,10,-TR</p>	 <p>TE Part # 4-1658043-1 MSB0.80RC-ASY040FL,GP,F,-TR</p>	 <p>TE Part # 2-1658043-1 MSB0.80RC-ASY040FL,-,F,-TY</p>	 <p>TE Part # 2-1658462-1 MSB0.80RC-ASY040FL,-,30,-TY</p>
 <p>TE Part # 4-1658012-1 MSB0.80RC-ASY040FL,GP,10,-TR</p>	 <p>TE Part # 4-1658462-1 MSB0.80RC-ASY040FL,GP,30,-TR</p>	 <p>TE Part # 6-1658043-1 MSB0.80RC-ASY040FL,GP,F,-TR</p>	 <p>TE Part # 6-1658462-1 MSB0.80RC-ASY040FL,GP,30,-TR</p>

Customers Also Bought

 <p>TE Part #2007852-3 IMP100S,H,V5P10C,UG,OEW39,5.5</p>	 <p>TE Part #3-6450170-1 MBXL R/A RCPT 2P+16S+2P</p>	 <p>TE Part #2007855-3 IMP100S,H,V5P10C,UG,REW39,5.5</p>	 <p>TE Part #2007857-2 IMP100S,H,V5P16C,LG,OEW39,4.9</p>
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TE Part #2013310-3  
SEMI-HARD TRAY DDR3 204P 9.2H  
STD Au0.76



TE Part #2170207-2  
1X6 QSFP CAGE ASSEMBLY THRU  
BEZEL WITH



TE Part #2170695-1  
ZQSFP+ 2X3, THERMAL 2LP LU  
INNER, AU



TE Part #2180463-1  
SFP+ Enhanced 1x4 Cage, Heatsink  
Opening



TE Part #5-1571363-1  
8 POS 2MM HDR ASSY,DR,VERT,SMT,  
LF



TE Part #7-6450550-1  
MBXL VERT RCPT 2P+24S+2P

Documents

Product Drawings

MSB0.80PL30ASY040FL,-,30,-TY

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1658470-1\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1658470-1\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1658470-1\_J.3d\_stp.zip

English

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

Datasheets & Catalog Pages

MICTOR SB Interconnection System

English

MICTOR SB CONNECTORS

English

Product Specifications

Application Specification

English



1658470-1

PCB Mount Header, Vertical, Board-to-Board, 40 Position, .8mm [.031in] Centerline,  
Fully Shrouded, Select Gold, Printed Circuit Board

