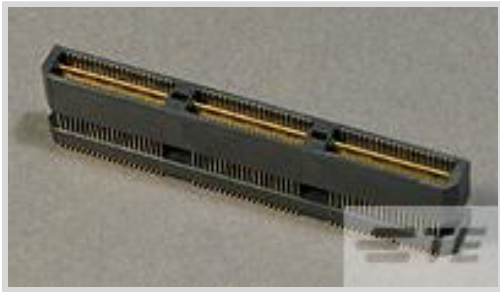




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **120**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Stackable	No
Number of Positions	120
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Body Features

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Primary Product Color	Black
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Contact Features

Mating Tab Width	.38 mm[.015 in]
PCB Contact Termination Area Plating Material Thickness	.762 μm[29.92 μin]
Contact Shape & Form	Single Beam, Square
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.2 mm[.008 in]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	1.25 A, 9.5 A
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]

Termination Features

Rectangular Termination Post & Tail Width	.9 mm[.035 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	.8 mm[.031 in]
Housing Material	LCP

Dimensions

Connector Height	13.39 mm[.526 in]
Stack Height	14 mm[.551 in]
PCB Thickness (Recommended)	1.57 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 Method	Pocket Tape
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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 2025 (247) 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



TE Part # 2-1658012-3  
[MSB0.80RC-ASY120FL,-,10,-TY](#)



TE Part # 1658043-3  
[MSB0.80RC-ASY120FL,-,F,-TY](#)



TE Part # 2-1658043-3  
[MSB0.80RC-ASY120FL,-,F,-TY](#)



TE Part # 2-1658462-3  
[MSB0.80RC-ASY120FL,-,30,-TY](#)



TE Part # 4-1658462-3  
[MSB0.80RC-ASY120FL,GP,30,-TR](#)



TE Part # 6-1658462-3  
[MSB0.80RC-ASY120FL,GP,30,-TR](#)



TE Part # 6-1658043-3  
[MSB0.80RC-ASY120FL,GP,F,-TR](#)



TE Part # 6-1658012-3  
[MSB0.80RC-ASY120FL,GP,10,-TR](#)



TE Part # 1658012-3  
[MSB0.80RC-ASY120FL,-,10,-TY](#)



TE Part # 4-1658012-3  
[MSB0.80RC-ASY120FL,GP,10,-TR](#)



TE Part # 1658462-3  
[MSB0.80RC-ASY120FL,-,30,-TY](#)



TE Part # 4-1658043-3  
[MSB0.80RC-ASY120FL,GP,F,-TR](#)

Customers Also Bought



TE Part #5-104076-2  
[60 SYS50 HDR DRST SHRD W/SL SN](#)



TE Part #3-1415020-1  
[PT570N20](#)



TE Part #1-1825006-9  
[GDS10S04=DIP SW,SLIDE,SMT](#)



TE Part #5146893-2  
[1FHR,84,30A/S,S,C,S08,09,10](#)



TE Part #2176314-4  
[MELF SMA\\_A 180R 0.1% 15PPM 0102 0.3W](#)



TE Part #1-928836-2  
[MOD2 PIN WITH A-PIN L/P](#)



TE Part #1-1437581-1  
[ASE22RL=AUTOSLIDE DP](#)



TE Part #5-103911-3  
[60 SYSTEM 50 RCPT ASSY DRRA](#)



Documents

Product Drawings

MSB0.80PL14ASY120FL,GP,30,-TR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-1658439-3\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-1658439-3\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-1658439-3\_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

Product Specifications

Application Specification

English