



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): **.8 mm [.031 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
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
Board-to-Board Configuration	Parallel
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	40

Electrical Characteristics

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

Body Features



Assembly Process Feature Material	Polyimide Film
Primary Product Color	Black

Contact Features

Contact Mating Area Plating Material Thickness	.12 μm[5 μin]
Mating Tab Width	.38 mm[.015 in]
Contact Shape & Form	Single Beam
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material	Gold Flash
Contact Type	Socket
Contact Current Rating (Max)	1.25 A, 9.5 A

Termination Features

Rectangular Termination Post & Tail Width	1.77 mm[.07 in]
Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	With
PCB Mount Alignment Type	Locating Posts
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)	.8 mm[.031 in]

Dimensions

Stack Height	5 mm, 8 mm, 11 mm, 16 mm, 19 mm, 22 mm, 25 mm, 30 mm[1.181 in]
PCB Thickness (Recommended)	.05 mm[.12 in]
Connector Height	3.05 mm[.12 in]

Usage Conditions

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

Assembly Process Feature	Pick and Place Cover
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	96
Packaging Method	Box, Tray

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: JAN 2025 (247) 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	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 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 # 4-1658047-1
[MSB0.80PL16ASY040FL,GP,F,-TR](#)



TE Part # 4-1658016-1
[MSB0.80PL16ASY040FL,GP,10,-TR](#)



TE Part # 4-1658013-1
[MSB0.80PL5ASY040FL,GP,10,-TR](#)



TE Part # 1658464-1
[MSB0.80PL8ASY040FL,-,30,-TY](#)



TE Part # 2-1658045-1
[MSB0.80PL8ASY040FL,-,F,-TY](#)



TE Part # 2-1658466-1
[MSB0.80PL16ASY040FL,-,30,-TY](#)



TE Part # 6-1658046-1
[MSB0.80PL11ASY040FL,GP,F,-TR](#)



TE Part # 4-1658465-1
[MSB0.80PL11ASY040FL,GP,30,-TR](#)



TE Part # 1658437-1
[MSB0.80PL14ASY040FL,-,F,-TY](#)



TE Part # 2-1658468-1
[MSB0.80PL22ASY040FL,-,30,-TY](#)



TE Part # 2-1658439-1
[MSB0.80PL14ASY040FL,-,30,-TY](#)



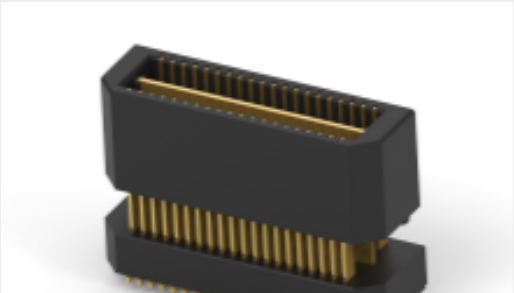
TE Part # 1658051-1
[MSB0.80PL30ASY040FL,-,F,-TY](#)



TE Part # 6-1658466-1
[MSB0.80PL16ASY040FL,GP,30,-TR](#)



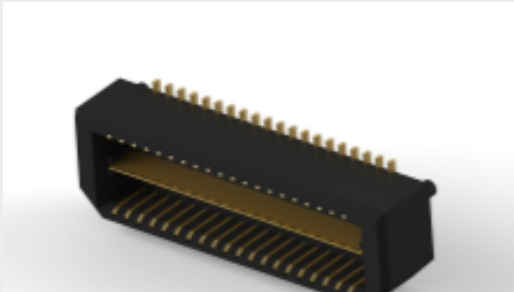
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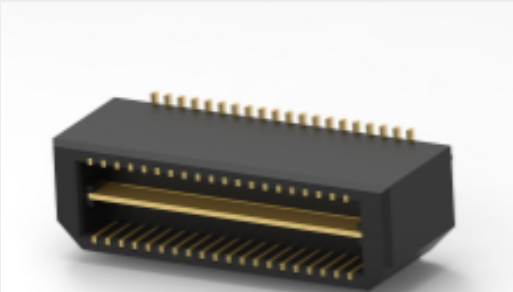
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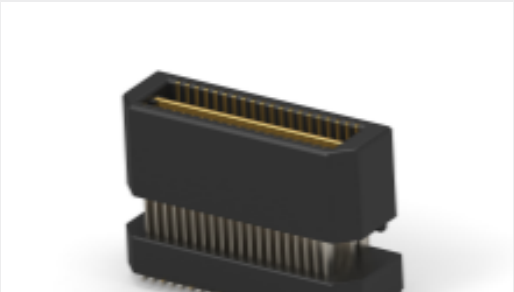
TE Part # 4-1658014-1
[MSB0.80PL8ASY040FL,GP,10,-TR](#)



TE Part # 6-1658013-1
[MSB0.80PL5ASY040FL,GP,10,-TR](#)



TE Part # 6-1658014-1
[MSB0.80PL8ASY040FL,GP,10,-TR](#)



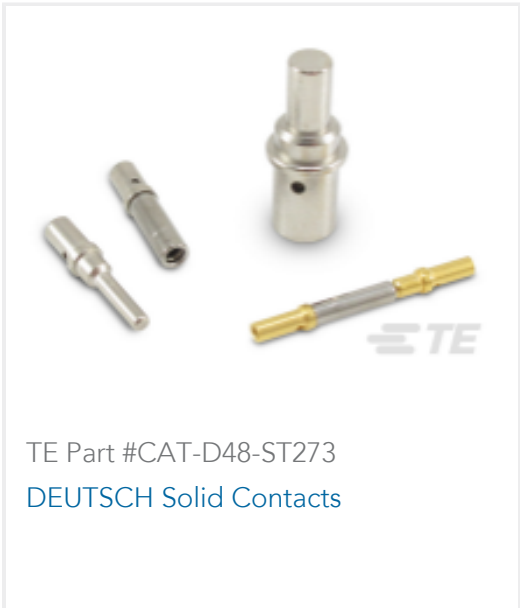
TE Part # 6-1658438-1
[MSB0.80PL14ASY040FL,GP,10,-TR](#)



TE Part # 4-1658015-1
[MSB0.80PL11ASY040FL,GP,10,-TR](#)

Customers Also Bought





TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



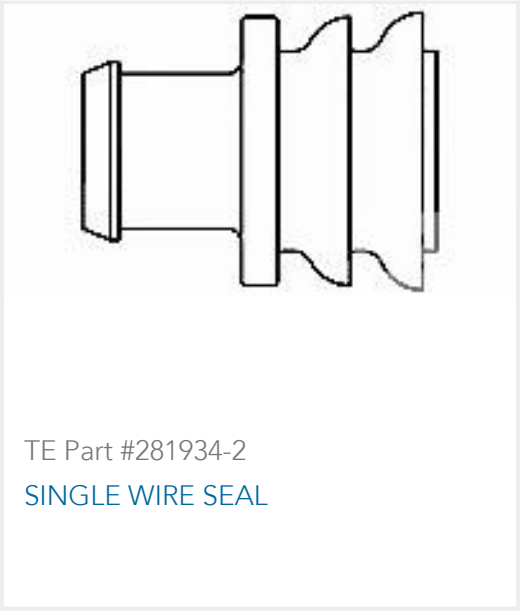
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Product Drawings
MSB0.80RC-ASY040FL,-,F,-TY

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_2-1658043-1_L.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_2-1658043-1_L.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_2-1658043-1_L.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

Agency Approvals
Agency Approval Document

2-1658043-1

PCB Mount Receptacle, Vertical, Board-to-Board, 40 Position, .8 mm [.031 in]
Centerline, Fully Shrouded, Gold Flash, Surface Mount, Power & Signal



English