

1658012-1 ✓ ACTIVE

MICTOR

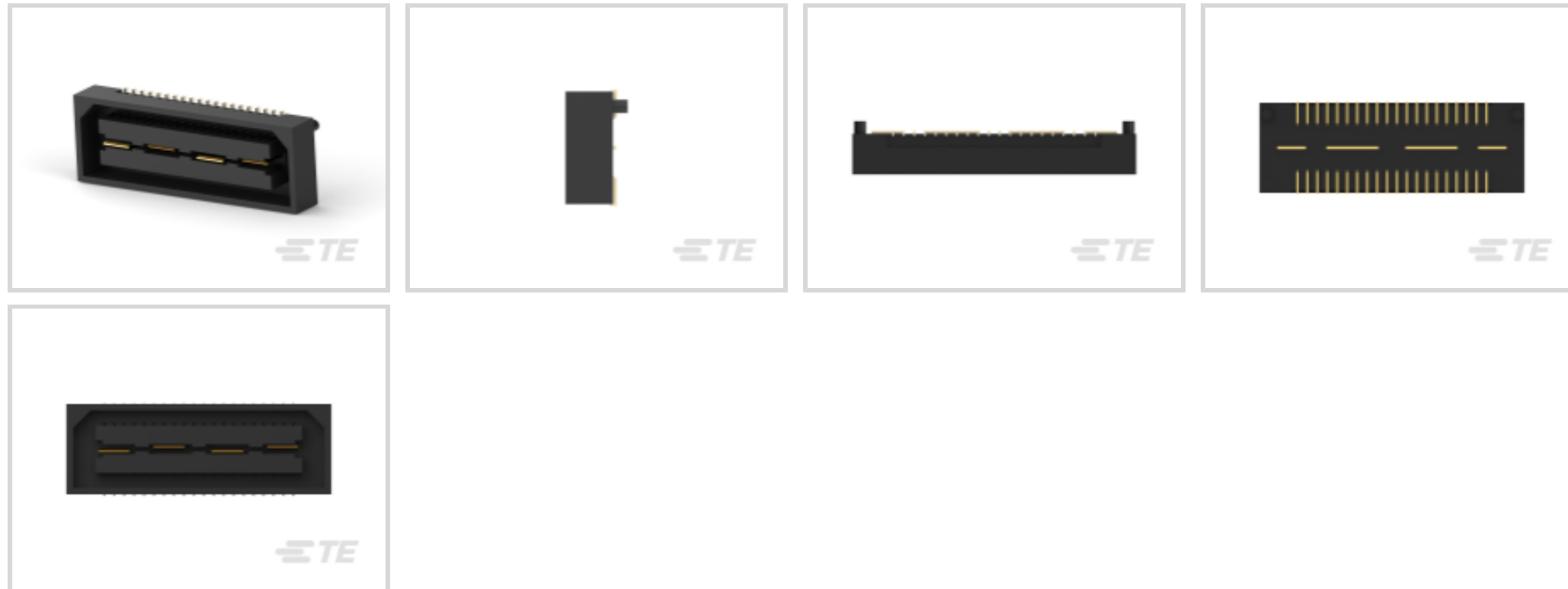
TE Internal #: 1658012-1

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

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

**Features**

**Dimensions**

	.136 in
Stack Height	8 mm, 19 mm, 30 mm, 22 mm, 5 mm, 25 mm, 16 mm, 11 mm[1.181 in]
Connector Height	3.05 mm[.12 in]

**Contact Features**

	9.8425 μin
Mating Tab Width	.38 mm[.015 in]
PCB Contact Termination Area Plating Material Thickness	.25 μm[9.8425 μin]
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
Contact Type	Socket



Contact Current Rating (Max)	1.25 A, 9.5 A
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#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### Product Type Features

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

#### 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 $\Omega$
Insulation Resistance	2 M $\Omega$
Dielectric Withstanding Voltage (Max)	675 VAC

#### Body Features

Primary Product Color	Black
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#### 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
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Mating Alignment	Without
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### Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
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Centerline (Pitch)	.8 mm [.031 in]
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### Usage Conditions

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

Assembly Process Feature	None
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Circuit Application	Power & Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	90
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Packaging Method	Tray, Box
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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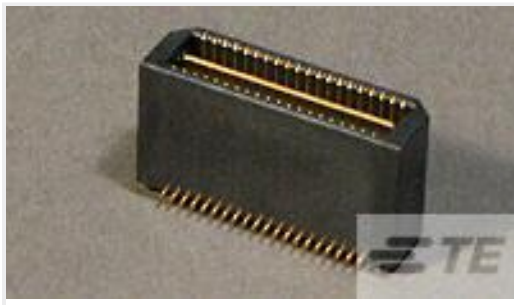
#### Product Compliance Disclaimer

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 # 1658046-1  
MSB0.80PL11ASY040FL,-,F,-TY



TE Part # 1658047-1  
MSB0.80PL16ASY040FL,-,F,-TY



TE Part # 1658048-1  
MSB0.80PL19ASY040FL,-,F,-TY



TE Part # 1658050-1  
MSB0.80PL25ASY040FL,-,F,-TY

## Customers Also Bought



TE Part #1658606-1  
50 POS HDF RCPT, MS, LEAD FREE



TE Part #0413-204-2005  
DEUTSCH Sealing Plugs



TE Part #5767096-8  
MICT,REC,038,ASY,.025,TAPE,CAP



TE Part #1658018-1  
MSB0.80PL22ASY040FL,-,10,-TY



TE Part #DRCP28-86SC  
PLG, 86P, BLK, 12/20, C



TE Part #DRCP28-86SA  
PLG, 86P, BLK, 12/20, A



TE Part #1-2443555-1  
450 EVX C C



TE Part #143109-000  
44AM1121-26-9/96-9CS2275



TE Part #70H1-11-04-1-B  
70H1-11-04-1-B

## Documents

### Product Drawings

[MSB0.80RC-ASY040FL,-,10,-TY](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1658012-1\\_P.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1658012-1\\_P.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1658012-1\\_P.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[MICTOR SB Interconnection System](#)

English

[Stacking Connectors Quick Reference Guide \(English\)](#)

English

[MICTOR SB CONNECTORS](#)

English

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### Product Specifications

[Application Specification](#)

English