3-1658012-5 ✔ ACTIVE

MICTOR

TE Internal #: 3-1658012-5

PCB Mount Receptacle, Vertical, Board-to-Board, 140 Position, .8mm [.031in] Centerline, Fully Shrouded, Select Gold, Printed Circuit Board

View on TE.com >

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







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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **140**

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

Features

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

Number of Rows	2
Stackable	No
Connector Contact Load Condition	Differential Load
PCB Mount Orientation	Vertical
Number of Positions	140
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	675 VAC

Insulation Resistance	2 MΩ
Impedance	100 Ω
Operating Voltage	125 VAC

Body Features

Assembly Process Feature Material	Polyimide Film

Contact Features

PCB Contact Termination Area Plating Material Thickness	.25 µm[9.8425 µin]
Mating Tab Width	.38 mm[.015 in]
Mating Tab Thickness	.2 mm[.008 in]
Contact Shape & Form	Single Beam
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	.25 µm[9.8425 µin]
Contact Type	Socket
Contact Current Rating (Max)	1.25 A, 9.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Rectangular Termination Post & Tail Width	1.77 mm[.07 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	3.05 mm[.12 in]
Row-to-Row Spacing	3.47 mm[.136 in]
Stack Height	5 mm, 8 mm, 11 mm, 16 mm, 19 mm, 22 mm, 25 mm, 30 mm[1.181 in]
PCB Thickness (Recommended)	.06 mm[.25 in]

Usage Conditions

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

Operation/Application

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

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	24
Packaging Method	Box & Tray, Tray

Other

Comment	Use of stand offs recommended. Contact Product Engineering for recommendations.

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: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 3-1658013-5
MSB0.80PL5ASY140DP,-,10,VCTY



TE Part # 3-1658014-5
MSB0.80PL8ASY140DP,-,10,VCTY



TE Part # 3-1658015-5
MSB0.80PL11ASY140DP,-,10,VCTY



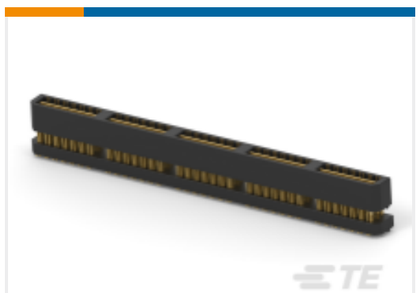
TE Part # 3-1658016-5
MSB0.80PL16ASY140DP,-,10,VCTY



TE Part # 3-1658017-5
MSB0.80PL19ASY140DP,GP,10,VCTY

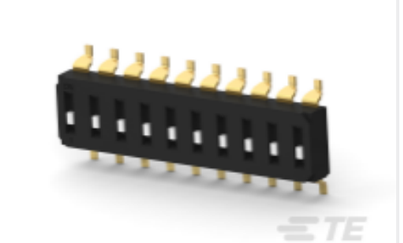


TE Part # 3-1658018-5
MSB0.80PL22ASY140DP,GP,10,VCTY

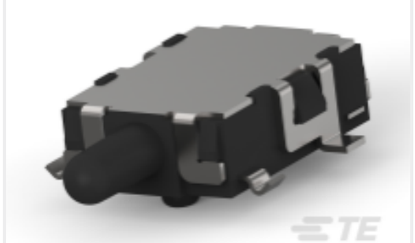


TE Part # 3-1658438-5
MSB0.80PL14ASY140DP,GP,10,VCTY

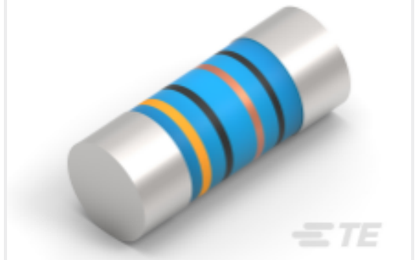
Customers Also Bought



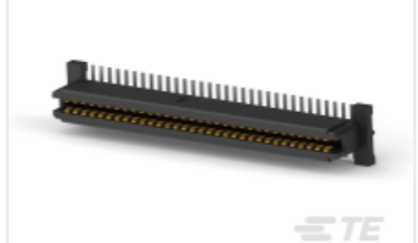
TE Part #3-2319848-1
END STACK DIP 10P G RECESS SEAL TUBE



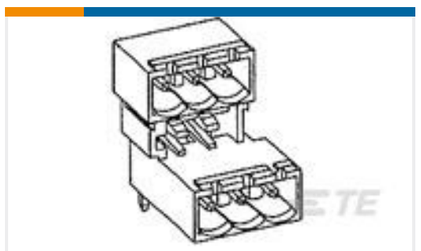
TE Part #2331390-1
DET SW5.7X4.0X2.0 GW HORZ. NC AG RL



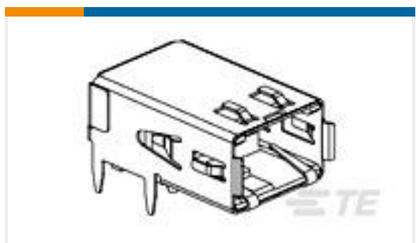
TE Part #2176314-4
MELF SMA_A 180R 0.1% 15PPM 0102 0.3W



TE Part #5146893-2
Free Height Receptacle Conn: Board-Board, Vertical, 84, 1mm



TE Part #284061-5
TERMI-BLOK HDR 90, 5,08MM P. M



TE Part #1761072-3
RECPT,HSSDC2,FIBRE,TRAY PKG



TE Part #1-1825006-9
GDS10S04=DIP SW,SLIDE,SMT



TE Part #1-928836-2
MOD2 PIN WITH A-PIN L/P



TE Part #3-1415020-1
PT570N20



TE Part #4-1624112-0
3650 0402 9.0nH 5% 2K RL

Documents

Product Drawings

MSB0.80RC-ASY140DP,-,10,VCTY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1658012-5_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1658012-5_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1658012-5_P.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 CONNECTORS

English

Product Specifications

Application Specification

English