6-1658016-3 ✔ ACTIVE

MICTOR

TE Internal #: 6-1658016-3

PCB Mount Header, Vertical, Board-to-Board, 120 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Power & Signal, Black, Pocket Tape

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Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **120**

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

Features

Product Type Features

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

Configuration Features

Stackable	No
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	120
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
Primary Product Color	Black

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, Square
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
	9.8425 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 Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Height	15.37 mm[.604 in]
	.158 in

Stack Height	16 mm[.63 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	125
Packaging Method	Pocket Tape

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 1658012-3
MSB0.80RC-ASY120FL,-,10,-TY



TE Part # 2-1658012-3
MSB0.80RC-ASY120FL,-,10,-TY



TE Part # 2-1658043-3
MSB0.80RC-ASY120FL,-,F,-TY



TE Part # 2-1658462-3
MSB0.80RC-ASY120FL,-,30,-TY



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



TE Part # 1658043-3
MSB0.80RC-ASY120FL,-,F,-TY



TE Part # 1658462-3
MSB0.80RC-ASY120FL,-,30,-TY



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



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



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



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



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

Customers Also Bought



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



TE Part # W2S
Wedgelocks: DEUTSCH DT



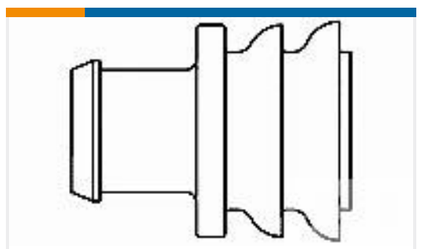
TE Part # 0460-202-16141
DEUTSCH Solid Contacts



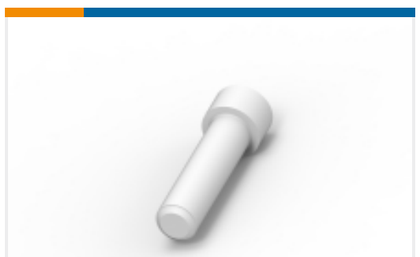
TE Part # 282104-1
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



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



TE Part # 281934-2
SINGLE WIRE SEAL



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

Documents

Product Drawings

MSB0.80PL16ASY120FL,GP,10,-TR

English

CAD Files

Customer View Model

ENG_CVM_CVM_6-1658016-3_N.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1658016-3_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1658016-3_N.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

MICTOR SB Interconnection System

English

MICTOR SB CONNECTORS

English

Product Specifications

Application Specification

English