6-1658015-1 ✔ ACTIVE

MICTOR

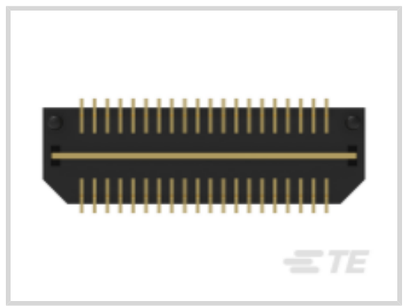
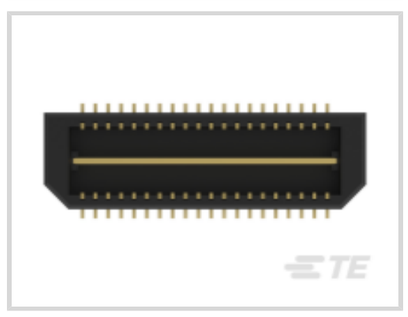
TE Internal #: 6-1658015-1

PCB Mount Header, Vertical, Board-to-Board, 40 Position, .8 mm [.031 in] Centerline, Gold (Au), Surface Mount, Power & Signal, Black, Pocket Tape

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **40**

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
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	40
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

Assembly Process Feature Material	Polyimide Film
Primary Product Color	Black

Contact Features

Mating Tab Width	.38 mm[.015 in]
PCB Contact Termination Area Plating Material Thickness	.25 µm[9.842 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	.25 µm[9.84 µin]

Termination Features

Rectangular Termination Post & Tail Width	.94 mm[.037 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	Liquid Crystal Polymer (LCP)

Dimensions

Connector Height	10.06 mm[.395 in]

Stack Height	11 mm[.433 in]
PCB Thickness (Recommended)	1.57 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	300
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 6-1658043-1
MSB0.80RC-ASY040FL,GP,F,-TR



TE Part # 2-1658012-1
MSB0.80RC-ASY040FL,-,10,-TY



TE Part # 2-1658043-1
MSB0.80RC-ASY040FL,-,F,-TY



TE Part # 6-1658012-1
MSB0.80RC-ASY040FL,GP,10,-TR



TE Part # 6-1658462-1
MSB0.80RC-ASY040FL,GP,30,-TR



TE Part # 4-1658012-1
MSB0.80RC-ASY040FL,GP,10,-TR



TE Part # 4-1658043-1
MSB0.80RC-ASY040FL,GP,F,-TR



TE Part # 1658462-1
MSB0.80RC-ASY040FL,-,30,-TY



TE Part # 2-1658462-1
MSB0.80RC-ASY040FL,-,30,-TY



TE Part # 4-1658462-1
MSB0.80RC-ASY040FL,GP,30,-TR



TE Part # 1658012-1
MSB0.80RC-ASY040FL,-,10,-TY

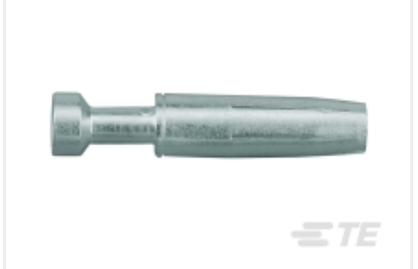


TE Part # 1658043-1
MSB0.80RC-ASY040FL,-,F,-TY

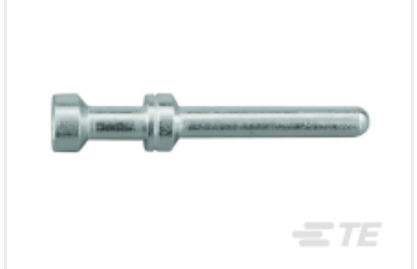
Customers Also Bought



TE Part #T2400031100-000
HSM-10(10 sq mm)



TE Part #T2030002015-000
CEF-1.5



TE Part #T2030001005-000
CEM-0.5



TE Part #T1410241000-000
H24B-AGS



TE Part #T2030002025-000
CEF-2.5



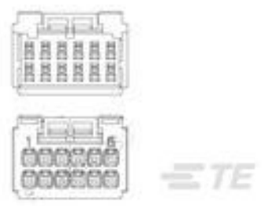
TE Part #T3209321222-001
HSK-M32G



TE Part #T2050722201-000
HEEE-072-F



TE Part #T1010242100-000
H24B-KDBP



TE Part #9-1827864-6
DYNAMIC 1200D REC HSG 12P X BLACK



TE Part #1-2040516-5
DYNAMIC 1100D HDR ASSY V 10PX BLACK GOLD

Documents

Product Drawings

MSB0.80PL11ASY040FL,GP,10,-TR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1658015-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1658015-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1658015-1_K.3d_stp.zip

English

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Datasheets & Catalog Pages

MICTOR SB CONNECTORS

English

MICTOR SB CONNECTORS

MICTOR SB Interconnection System

English

MICTOR SB CONNECTORS

English

Product Specifications

Application Specification

English