1-177537-0 ✔ ACTIVE

MIS

TE Internal #: 1-177537-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 2.5 mm [.098 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, Signal, MIS

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Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Mating Pin Diameter	.6 mm[.024 in]
Contact Shape & Form	Round
Contact Mating Area Length	3.4 mm[.134 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	4 A

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.17 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Polarized Lock
PCB Mount Retention Type	Boardlock
Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon 66

Dimensions

PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Connector Height	6.48 mm[.255 in]
Connector Length	27.5 mm[1.083 in]

Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Loose Piece

Product Compliance

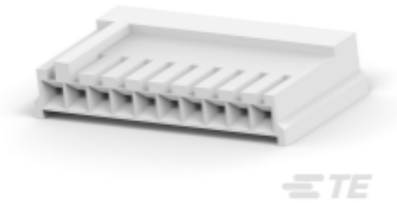
For compliance documentation, visit the product page on TE.com>

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: JUNE 2025 (250) Candidate List Declared Against: JAN 2021 (211) 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	Wave solder capable to 265°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

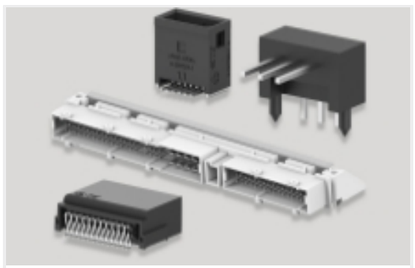


TE Part # 1-171822-0
EIS REC. HSG 10P-NATURAL

Also in the Series | MIS



Connector Contacts(1)



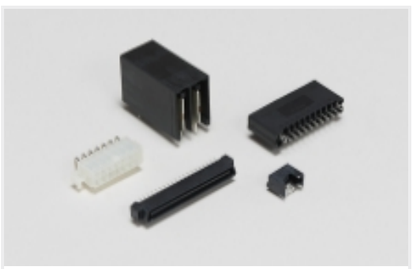
PCB Headers & Receptacles(23)



Rectangular Connector Housings(8)



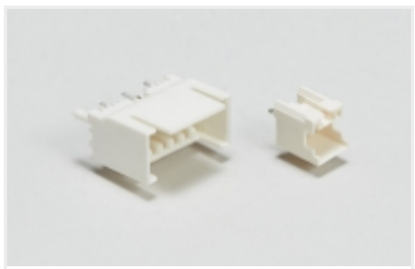
Rectangular Power Connectors(8)



Standard Rectangular Connectors(11)

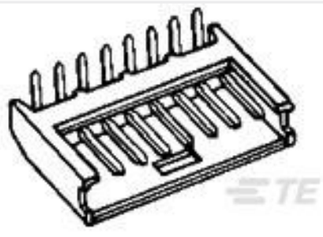


Wire-to-Board Connector Assemblies & Housings(11)

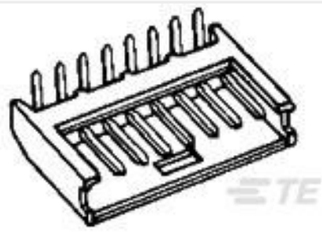


Wire-to-Board Headers & Receptacles (23)

Customers Also Bought



TE Part #280377-1
2P AMPMODU II SHRD HDR, RT ANG, TIN



TE Part #280378-1
4P AMPMODU II SHRD HDR, RT ANG, TIN



TE Part #5-1623732-4
BCHE 7 W 82R 5%



TE Part #8-1625867-2
RP 1J 0.166W 44R2 0.1% 25PPM 1K RL



TE Part #1717254-4
EMBOSS ASSY DDR2 SODIMM SOCKET 200P 5.2H



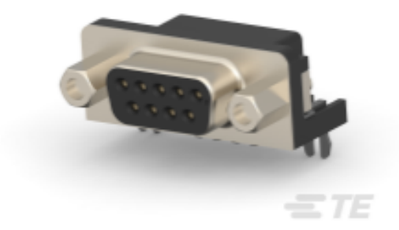
TE Part #1734328-1
Mini USB AB R/A,Rcpt,SMT,TRAY



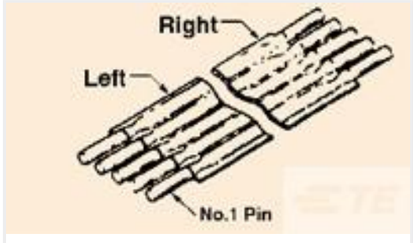
TE Part #1-1825910-4
FSM8JH=6MM TACT SWITCH, HIGH TEMP



TE Part #2-2013289-1
EMBOSS TAPE DDR3 204P 5.2H STD



TE Part #2311765-1
AMPL REC, HD20, R/A, 9P, S/L, .318



TE Part #9-6447163-9
FSN-11A-10

Documents

Product Drawings

2.5 M.I.S POST HDR ASSY 10P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-177537-0_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-177537-0_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-177537-0_G.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

CSA Certificate

English