171819-1 ✔ ACTIVE

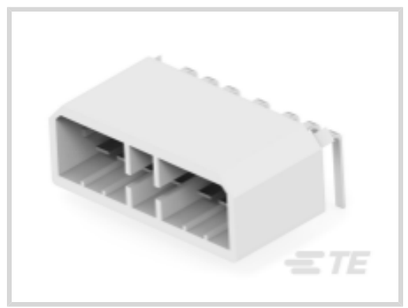
AMP | Mark I

TE Internal #: 171819-1

Horizontal, Wire-to-Board, 13 Position, 2 Row, 5mm [.197in] Centerline, Tin (Sn), Printed Circuit Board, 1A Contact Current Rating (Max), Mark I

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers







PCB Mount Orientation: **Horizontal**

Contact Current Rating (Max): **1 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

Centerline (Pitch): **5 mm [.197 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Connector Shape	Rectangular
Connector Product Type	Connector Assembly
Sealable	No
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Horizontal
Number of Positions	13
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Primary Product Color	Natural

Contact Features

Mating Tab Thickness	.64 mm[.025 in]
Contact Type	Tab
Mating Tab Width	3 mm[.118 in]
Contact Current Rating (Max)	1 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	5 mm[.197 in]

Dimensions

Connector Width	22.3 mm[.878 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	16.7 mm[.657 in]
Connector Length	43.6 mm[1.72 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Solder Process	Wave Solder Capable
Circuit Application	Power

Packaging Features

Packaging Method	Tray
Packaging Quantity	110

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: JUNE 2025 (250) 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 240°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 # 171359-1
MIC CAP 13P V

Also in the Series | Mark I



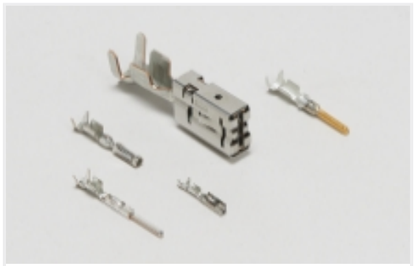
Automotive Housings(1)



Automotive Signal & Power Connector Housings(1)



Automotive Signal & Power Headers(5)



Automotive Terminals(6)



Quick Disconnects(29)

Customers Also Bought



TE Part #NB11926001
ATUM-9/3-0-20MM



TE Part #284174-E
STVC/2 48 F ABC VVV 7-00 TL 4,0 * 247 E0



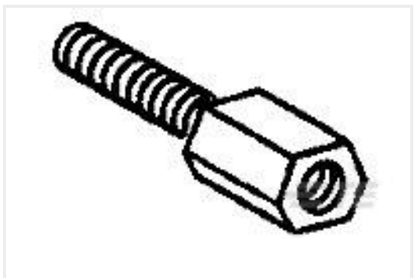
TE Part #8-102202-4
03 MODII HDR SRST SHRD LF



TE Part #1-188685-2
STD TIMER PCB CONTACT



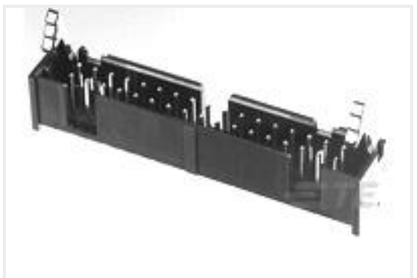
TE Part #292173-3
CT BOX HDR H SMT 3P O/TAPE BLA



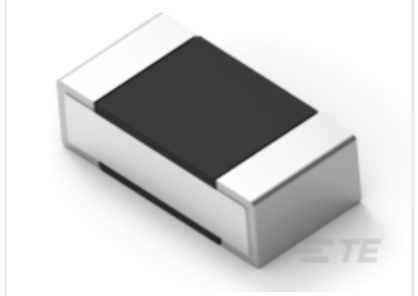
TE Part #828102-1
HD-20SCHRAUB-SICHRG



TE Part #1-1743447-2
ACTION PIN FOR 1.2mm TAB



TE Part #2-1761606-5
IDC LOW PRO HDR 14P VERT LA



TE Part #3-2176307-7
RP 1E 0.1W 29K4 0.1% 25PPM 5K RL



TE Part #5747847-4
37 MSFL RCPT RA 318 (IN,FM,BL)

Documents

CAD Files

Customer View Model

ENG_CVM_171819-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_171819-1_E.3d_stp.zip

English

Customer View Model

ENG_CVM_171819-1_E.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Multi-Interlock Mark II Connector for Printed Circuit Board

Japanese

Product Specification

Japanese

Agency Approvals

Agency Approval Document

English