178780-3 ✔ ACTIVE

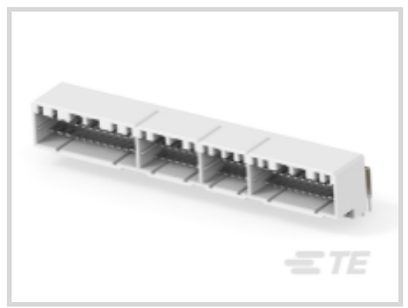
MULTILOCK | Multilock Connector System

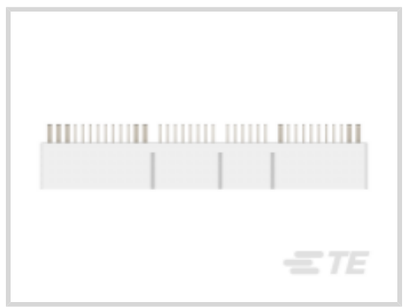
TE Internal #: 178780-3

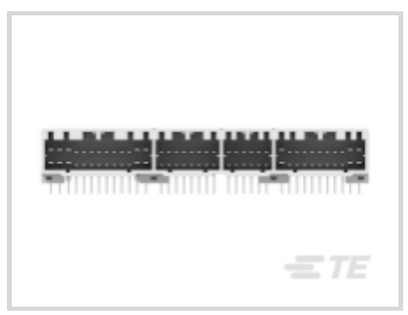
Horizontal, Wire-to-Board, 76 Position, 2 Row, 3mm / 3.5mm [.11in / .13in] Centerline, Tin (Sn), Printed Circuit Board, Multilock Connector System

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers







PCB Mount Orientation: **Horizontal**

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

Sealable: **No**

Centerline (Pitch): **3 mm, 3.5 mm [.11 in, .13 in]**

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

Features

Product Type Features

Mixed & Hybrid Header	Yes
Header Type	Fully Shrouded
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	76
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Primary Product Color	Natural

Contact Features

Contact Type	Tab
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	3 mm, 3.5 mm[.11 in][.13 in]

Usage Conditions

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

Operation/Application

Solder Process	Reflow Solder Capable
Circuit Application	Power & Signal

Packaging Features

Packaging Method	Tube
Packaging Quantity	3

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 # 178779-1
HYBRID I/O CAP HSG 76P NATURAL

Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (5)



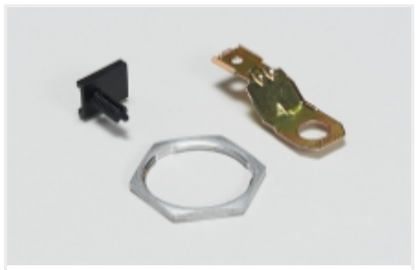
Automotive Housings(140)



Automotive Signal & Power Headers (70)

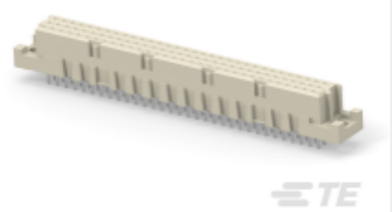


Automotive Terminals(76)

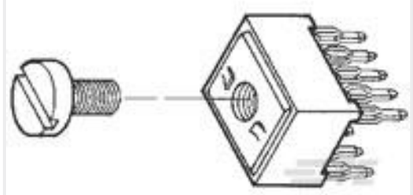


Other Automotive Connector Accessories(5)

Customers Also Bought



TE Part #254897-E
STVC 96 F ABC VVV 7-00 TL 4,0 * 137 E007



TE Part #9-55556-0
10 POWER TAP ASSY WITH SCREW #6-32



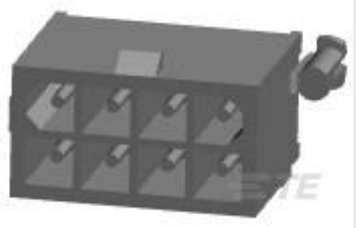
TE Part #1-770170-1
03P MINI UMNL ASSY VO SNAU LF



TE Part #1-770858-1
10P MINI UMNL HDR ASSY AU LF



TE Part #1-770968-1
04P MINI UMNL R/A HDR ASSY LF



TE Part #1-794073-1
08P MINI UMNL HDR W/O DH AU LF



TE Part #2-1761607-6
IDC LOW PRO HDR 16P RA LAT



TE Part #7-1879208-3
CPF 0402 10K 0.1% 25PPM 1K RL



TE Part #6-1879336-2
CPF 0603 1K0 1% 50PPM 1K RL



TE Part #4-2176070-1
3521 470R 1% 2W

Documents

Product Drawings

040/070 HYBRID 76POS CAP ASSY H TIN

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_178780-3_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_178780-3_K.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_178780-3_K.3d_igs.zip

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

Japanese