178409-6 ✔ ACTIVE

AMP | Multilock Connector System

TE Internal #: 178409-6

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 40 Position, .142 in [3.6 mm] Centerline, Sealable, Gray, Multilock Connector System

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Connectors > Automotive Connectors > Automotive Housings > MULTILOCK, CONNECTOR HOUSING



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

Number of Positions: **40**

Connector & Housing Type: **Housing for Female Terminals**

Centerline (Pitch): **3.6 mm [.142 in]**

Sealable: **Yes**

All MULTILOCK, CONNECTOR HOUSING (404)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	40
Number of Rows	4

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray

Contact Features

Contact Size	1mm
Contact Type	Receptacle
Mating Tab Width	1 mm[.039 in]

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Polarized
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT
Centerline (Pitch)	3.6 mm[.142 in]

Dimensions

Connector Height	26.7 mm[1.051 in]
Product Width	35.6 mm[1.401 in]
Product Length	45.7 mm[1.799 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 - 120 °C[-40 - 248 °F]

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Quantity	50

Other

Serviceable	Yes
Connector Position Assurance Capable	No

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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 # 175197-2
040 REC FOR 120P ECU CONN



TE Part # 178413-7
40P D.L.P FOR 120P ECU PLUG

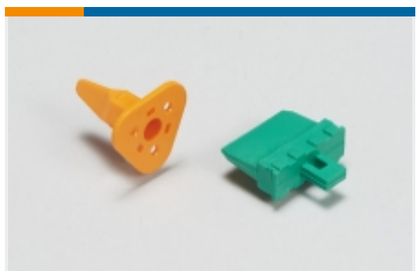


TE Part # 178421-7
CAVITY PLUG FOR 120P ECU CONN

Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance(3)



Automotive Housings(455)



Automotive Terminals(115)



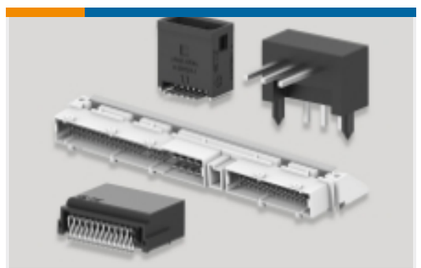
Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(6)

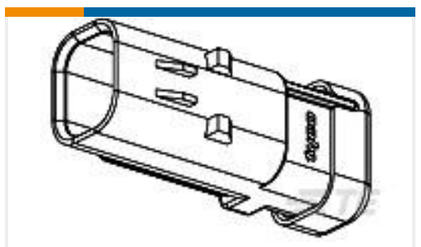


Other Automotive Connector Accessories(12)



PCB Headers & Receptacles(152)

Customers Also Bought



TE Part # 776534-3
AS 16, 2P CAP ASSY, RD, KEY 3



TE Part # T2050102101-000
HEE-010-M



TE Part # T1320060113-000
H6B-TG-PG13.5



TE Part # 350980-3
.045 POST CONTACT AUPLBR



TE Part # 962876-3
TIMER, RECEPTACLE AND TAB



TE Part # 5-968221-5
MQS0,63 Au rec CB unseal. 0,5-0,75



TE Part # 3-2112231-1
46POS,AMP MCP1.5K,REC HSG,ASSY



TE Part # T3209111201-000
HSK-P11G

TE Part # 2112758-1
COVER

Documents

Product Drawings

40P PLUG HSG ASSY FOR 120P ECU

English

CAD Files

Customer View Model

ENG_CVM_178409-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_178409-6_B.3d_stp.zip

English

Customer View Model

ENG_CVM_178409-6_B.2d_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

MULTILOCK Connector System

English

Product Specifications

Product Specification

Japanese

Product Specification

Japanese

Instruction Sheets

Customer Manual (non U.S.)

English

.040 SERIES WATERPROOF TYPE PAIR MATE CONNECTOR

English