



AMP Signal Double Lock

TE Internal #: 1376477-6

Housing, Plug, Wire-to-Board, 6 Position, 2.5 mm [.098 in]

Centerline, Crimp, 1 Row, Natural, Printed Circuit Board, AMP

Signal Double Lock

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

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

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

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Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Contact Type	Pin
Contact Current Rating (Max)	2.5 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Mating Retention Type	Latch
PCB Mount Retention	Without
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	6.5 mm[.256 in]
Wire Size	26 – 22 AWG
Connector Length	17.5 mm[.688 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Method	Bag & Box
Packaging Quantity	300

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1376478-6
2.5MM SIGNAL MATE CONN HEADER




TE Part # 5-1376492-6
2.5 SMC HDR 6POS WHITE TAPE



TE Part # 7-1376492-6
2.5 SMC HDR 6POS BLUE TAPE



TE Part # 2-1376477-4
2.5MM PITCH SIGNAL MATE CONN



TE Part # 1743492-1
BLOWER MOTOR 3P PLUG HSG

Also in the Series | AMP Signal Double Lock



Connector Caps & Covers(1)

Connector Contacts(14)

Connector Hardware(19)

PCB Headers & Receptacles(146)

Rectangular Connector Housings(80)

Rectangular Power Connectors(51)

Standard Rectangular Connectors(81)

Wire-to-Board Connector Assemblies & Housings(20)

Customers Also Bought

TE Part #179838-2
AMP POWER D/LOCK T/HDR ASSY 2P

TE Part #1565082-1
GRACE INERTIA CONNECTOR 3.5 3P

TE Part #170326-5
187 PL MKII REC. 18-14AWG PTPB

TE Part #174513-1
PL 187 HOUSING RECEPTACLE

TE Part #2-2371404-7
SGI 1.25 Plug HSG, 7P, Key B, Black

TE Part #1-174712-6
PL MK2 2P 187 HOUSING RECEPTACLE BLUE

TE Part #63824-1
250 FASTON TAB TPBR

TE Part #172168-1
6 CIR UNIV M-N-L PLUG

TE Part #42563-8
250 FASTON FLAG REC 12-10 AWG TPBZ

TE Part #353907-1
CT 1.5MM REC CONT CRIMP TYPE

Documents



Product Drawings

2.5MM PITCH SIGNAL MATE CONN

English

CAD Files

Customer View Model

ENG_CVM_CVM_1376477-6_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1376477-6_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1376477-6_E.3d_stp.zip

English

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Product Specifications

Application Specification

English