

1376477-6 ✓ ACTIVE

AMP Signal Double Lock

TE Internal #: 1376477-6

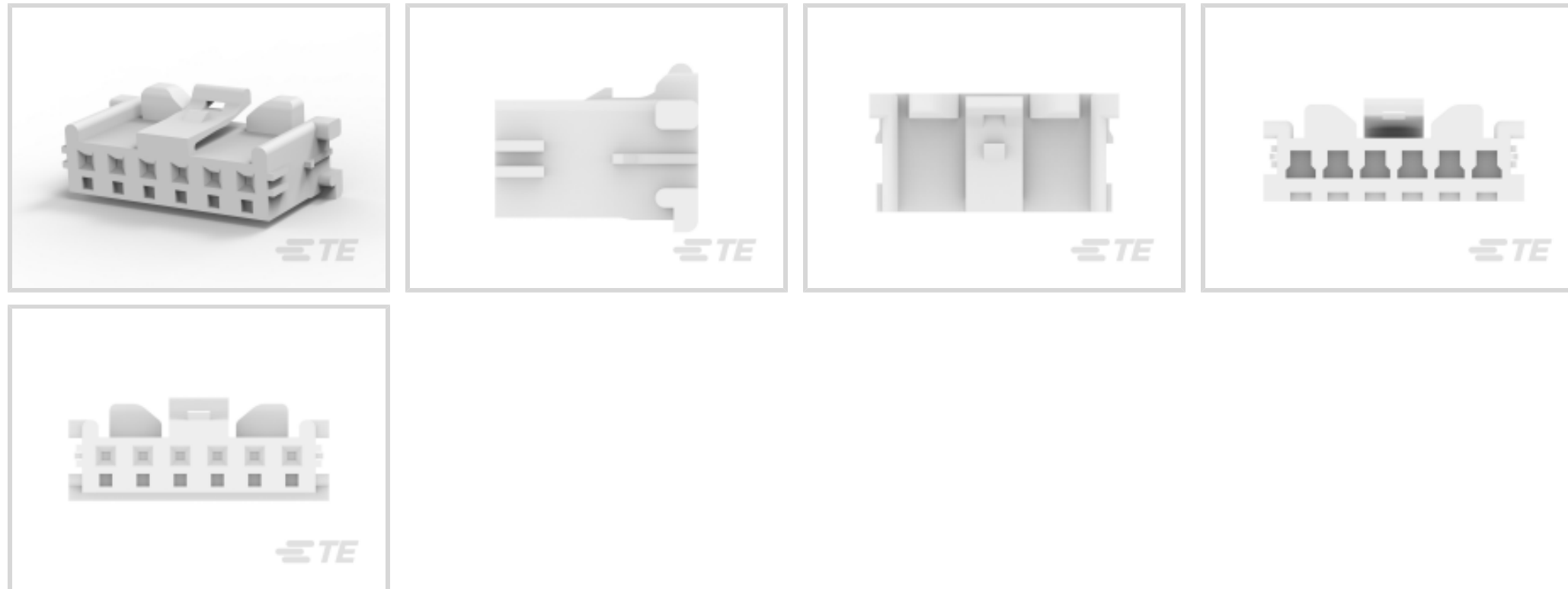
Housing, Plug, Wire-to-Board, 6 Position, 2.5 mm [.098 in]

Centerline, Crimp, 1 Row, Natural, Mating Retention, AMP Signal Double Lock

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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 VAC
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Contact Features

Contact Layout	Inline
Contact Type	Pin
Contact Base Material	Phosphor Bronze

Contact Current Rating (Max)	2.5 A
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

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

Connector Length	17.5 mm [.688 in]
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Connector Height	6.5 mm [.256 in]
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Wire Size	.12 – .38 mm ²
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Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Quantity	300
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Packaging Method	Bag & Box
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2022
(223)Candidate List Declared Against: JAN 2022
(223)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

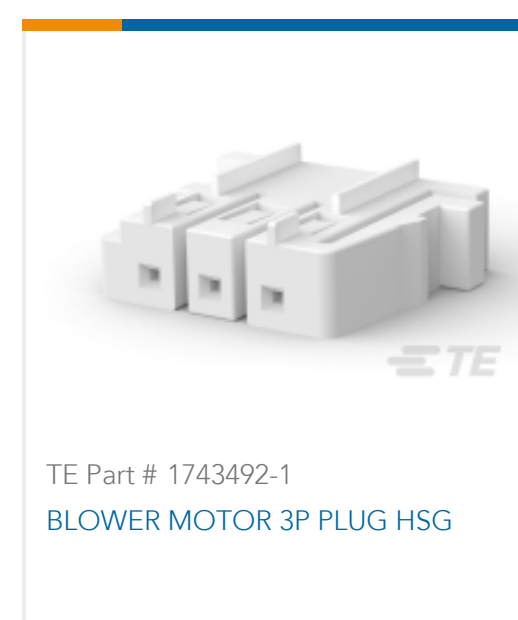
Solder Process Capability

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

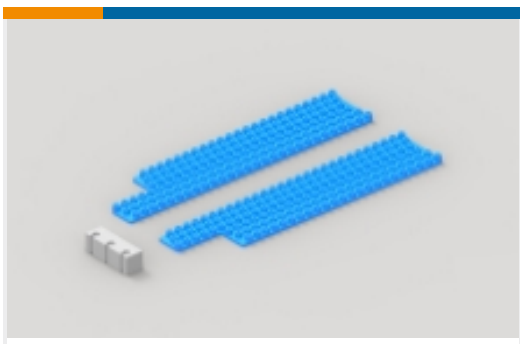
Also in the Series | [AMP Signal Double Lock](#)



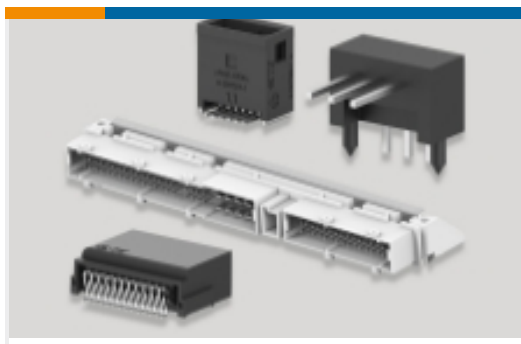
Connector Contacts(8)



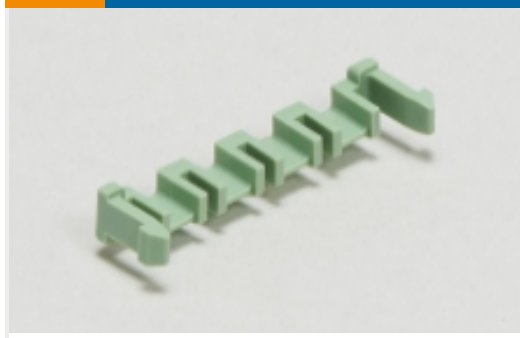
Insertion & Extraction Tools(1)



PCB Connector Seals(1)



PCB Headers & Receptacles(145)



PCB Latches, Locks & Retainers(17)



Rectangular Caps & Covers(1)



Rectangular Connector Housings(23)



Rectangular Connector Locking(2)



Rectangular Connector Seals(10)



Rectangular Power Connectors(3)



Standard Rectangular Connectors(1)



Wire-to-Board Connector Assemblies & Housings(74)



Wire-to-Board Connector Contacts(6)

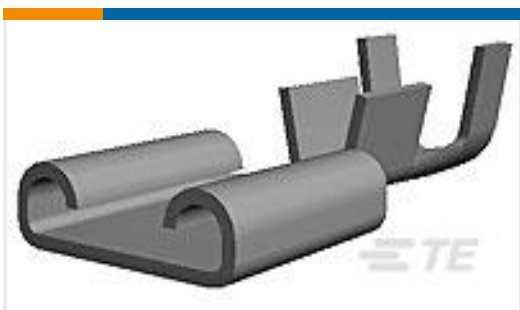
Customers Also Bought



TE Part #2-1971905-3
PLUG HOUSING 6POS,KEYING-B,
NEW GIC3.3



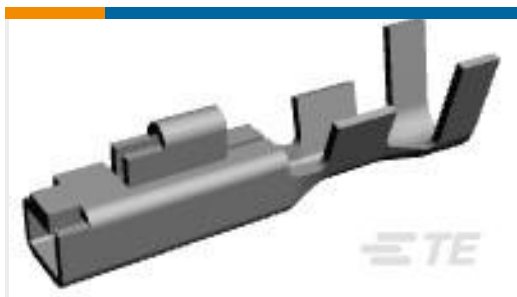
TE Part #178125-1
U/POWER PLUG HSG 2P 7.92M/M



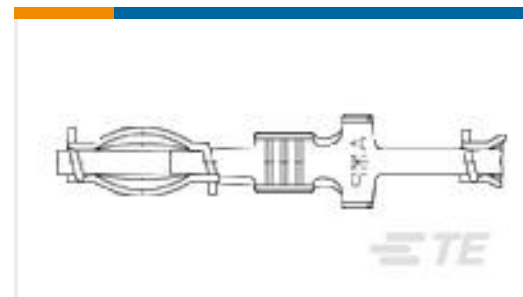
TE Part #170183-2
250 FASTON,REC.,22-18 AWG,TPBR



TE Part #42563-2
250 FASTON FLAG REC 12-10 AWG
TPBR



TE Part #175151-2
AMP UNIVE. POWER CONN REC
CONT



TE Part #170063-2
CLUSTER PIN REC



TE Part #3-1376392-5
5MM POWER KEY 4P PLUG 2ROW YEL



TE Part #1-1376477-6
2.5MM PITCH SIGNAL MATE CONN



TE Part #2-1747066-6
GRACE INERTIA CONN 2.5 PLUG
HSG 6P BLUE

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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Product Environmental Compliance

[MD_1376477-6_12072017115_dmtec](#)

English

[MD_1376477-6_12072017115_dmtec](#)

English

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