

AMP Signal Double Lock

TE Internal #: 917785-1

PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, AMP Signal Double Lock

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Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Connector Profile	Standard
Primary Product Color	Natural

Contact Features

Contact Underplating Material	Copper
Contact Underplating Material Thickness	.5 – 1.2 µm[19.68 – 47.24 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	.8 – 2.5 µm[31.49 – 98.42 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	4.7 mm[.18 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.2 mm[.126 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Latch
Mating Retention	With
PCB Mount Retention Type	Kinked
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Boss
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount



Mating Alignment	With
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Housing Features

Housing Material	Nylon 6/6 GF
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Width	8.2 mm[.32 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.8 mm[.38 in]
Connector Length	20 mm[.78 in]

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	150
Packaging Method	Box, Bag

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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 # CAT-SI261-P729
STD Temp Signal Double Lock Plug

TE Part # 5-917691-1
2.5 SIGNAL D/LOCK PLUG HSG 7P (GWT)

TE Part # 1903813-1
2.5MM SDL 3/5P POST HDR ASSY S

Also in the Series | AMP Signal Double Lock

Connector Caps & Covers(1)

Connector Contacts(14)

Connector Hardware(19)

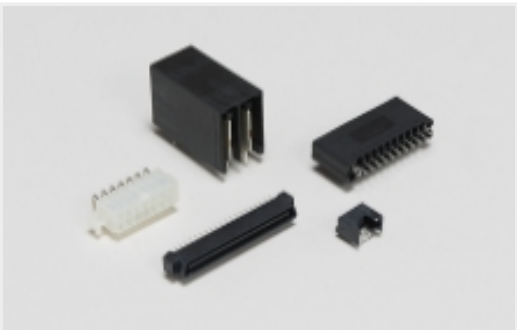
Connector Seals & Cavity Plugs(10)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(146)

Rectangular Connector Housings(23)

Rectangular Power Connectors(1)



Standard Rectangular Connectors(1)



Wire-to-Board Connector Assemblies & Housings(76)

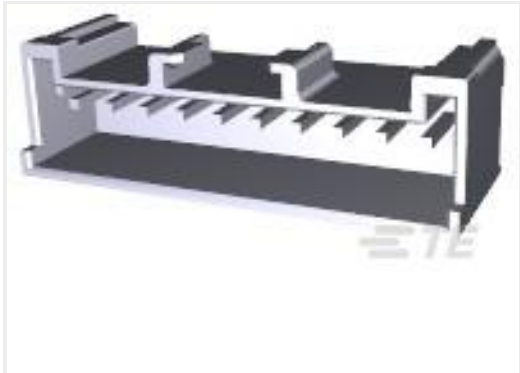
Customers Also Bought



TE Part #917692-1
STD Temp Signal Double Lock Plug



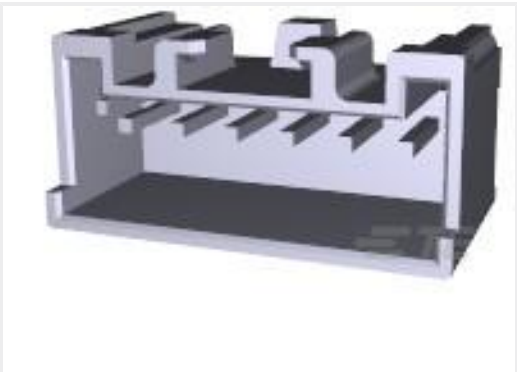
TE Part #917702-1
Signal Double Lock TPA



TE Part #917788-1
2.5 S.D.L POST HDR ASY 10P STD



TE Part #917701-1
2.5 SIGNAL DBL LOCK DLP 5P



TE Part #917784-1
2.5 S.D.L POST HDR ASY 6P STD

Documents

Product Drawings

2.5 S.D.L POST HDR ASY 7P STD

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_917785-1_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_917785-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_917785-1_N.3d_stp.zip

English

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



Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

[1773458-3_2.5MM_SIGNAL_DOUBLE_LOCK_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[AMP 2.5 SIGNAL DOUBLE LOCK CONNECTOR SERIES](#)

English

Agency Approvals

[UL Report](#)

English