

917683-1 ✓ ACTIVE

## AMP Signal Double Lock

TE Internal #: 917683-1

Connector Contact, Socket, Wire-to-Wire, 22 – 20 AWG Wire Size, .3 – .53 mm<sup>2</sup> Wire Size, Tin, Reel, Wire & Cable, 3 A, Signal, AMP Signal Double Lock

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts > Signal Double Lock Receptacle



Contact Type: **Socket**

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

Wire Size: **.3 – .53 mm<sup>2</sup>**

Contact Mating Area Plating Material: **Tin**

[All Signal Double Lock Receptacle \(4\)](#)

### Features

#### Product Type Features

Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	With
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	.2 μm[7.87 μin]
Contact Base Material	Phosphor Bronze
Contact Type	Socket



Contact Mating Area Plating Material	Tin
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Contact Current Rating (Max)	3 A
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Dimensions

Compatible Insulation Diameter Range	1.4 – 1.8 mm [.055 – .071 in]
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Wire Size	.3 – .53 mm <sup>2</sup>
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### Usage Conditions

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

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	8000
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Packaging Method	Reel
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### Product Compliance

[For compliance documentation, visit the product page on 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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  
Glow Wire Signal Double Lock Plug



TE Part # CAT-SI261-P729  
STD Temp Signal Double Lock Plug



TE Part # 2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 5-917690-1  
2.5 SIGNAL D/LOCK PLUG HSG 6P




TE Part # 917687-6  
2.5 SIGNAL D/LOCK PLUG HSG 3P



TE Part # 2151081-1  
OCEAN\_2.0\_APPLICATOR-S-050F070F



TE Part # 2151081-2  
OCEAN\_2.0\_APPLICATOR-S-050F070F



TE Part # 234605-1  
EXT-TOOL




TE Part # 5-917696-1  
2.5 SIGNAL D/LOCK PLUG HSG 12P



TE Part # 7-2151081-1  
OCEAN\_2.0\_APPLICATOR-S-050F070F



TE Part # 7-2151081-2  
OCEAN\_2.0\_APPLICATOR-S-050F070F



TE Part # 7-2151081-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-050F070F



TE Part # 2-2151081-1  
OCEAN\_2.0\_APPLICATOR-S-050F070F

## Also in the Series | AMP Signal Double Lock



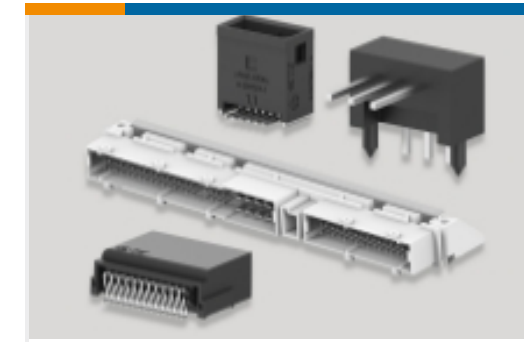
Connector Contacts(8)



Connector Seals & Cavity Plugs(10)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(144)



PCB Latches, Locks & Retainers(17)



Rectangular Caps & Covers(1)



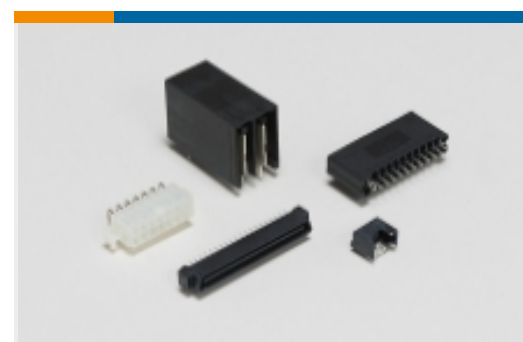
Rectangular Connector Housings(23)



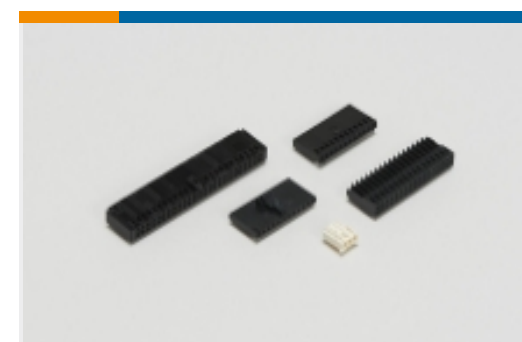
Rectangular Connector Locking(2)



Rectangular Power Connectors(3)



Standard Rectangular Connectors(1)



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



Wire-to-Board Connector Contacts(6)

## Customers Also Bought



TE Part #917699-1  
2.5 SIGNAL DBL LOCK D.L.P 3P



TE Part #63663-1  
MAG-MATE 22-20 187 FTAB TPBR



TE Part #1981973-1  
GIC2.5W CAP HOUSING 12POS (2-ROW) NAT



TE Part #521632-2  
ULTRA-POD 250 ASSY REC 18-14 AWG TPBR



TE Part #5-177912-1  
POWER D/LOCK CAP HSG 10P NAT (GWT)



TE Part #5-917690-1  
2.5 SIGNAL D/LOCK PLUG HSG 6P



TE Part #175065-1  
CONTACT 22-18 AWG 0.30 X 17.0 SS



TE Part #175065-2  
CONTACT 22-18 AWG 0.30 X 17.0 SS



## Documents

### Product Drawings

#### 2.5 SIGNAL DBL LOCK REC CONT L

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_917683-1\\_J.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_917683-1\\_J.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_917683-1\\_J.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

#### Engineering Report

English

### Product Environmental Compliance

#### MD\_917683-1\_060520181220\_dmtec

English

#### MD\_917683-1\_060520181220\_dmtec

English