

87165-1 ✓ ACTIVE

AMP

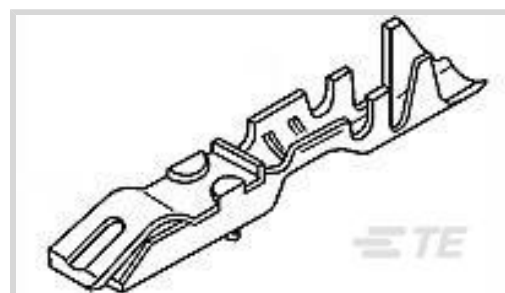
TE Internal #: 87165-1

Connector Contact, Socket, Wire-to-Board, 26 – 22 AWG Wire Size,  
254.1 – 642.4 CMA Wire Size, .12 – .4 mm<sup>2</sup> Wire Size, Gold, Loose  
Piece, Wire & Cable

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Socket**

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

Wire Size: .12 – .4 mm<sup>2</sup>

## Features

### Product Type Features

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

### Electrical Characteristics

Termination Resistance	12 mΩ
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 V
Operating Voltage	250 VAC

### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
	30 μin
Wire Contact Termination Area Plating Material	Gold Flash
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	3 A

### Termination Features

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

Wire Insulation Support	With
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### Dimensions

Compatible Insulation Diameter Range	.97 – 1.57 mm [.038 – .062 in]
Wire Size	.12 – .4 mm <sup>2</sup>

### Usage Conditions

Operating Temperature Range	-65 – 105 °C [-85 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Approved Standards	UL E28476
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### Packaging Features

Packaging Quantity	1000
Packaging Method	Loose Piece

### Other

Connector Contacts Comment	(*) For use with Model "K" machines. Call the Technical Assistance Center (1-800-522-6752) for any tooling questions., These contacts must be crimped per AMP Specification No. 114-25006 in order to function properly in a connector housing.
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### Product Compliance

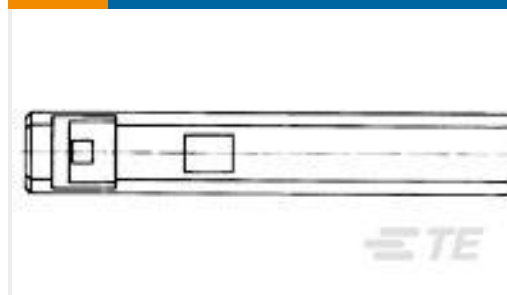
[For compliance documentation, visit the product page on TE.com>](#)

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

 <p>TE Part # 87175-2 01 LOCKING CLIP HSG SR .100CL</p>	 <p>TE Part # 87133-1 04 LOCKING CLIP HSG DR .100CL</p>	 <p>TE Part # 926657-6 LOCKING CLIP HSG</p>	 <p>TE Part # 926657-3 3P LOCKG CLIP GEH</p>
 <p>TE Part # 926657-4 LOCKING CLIP HSG</p>	 <p>TE Part # 1-87175-0 04 LOCKING CLIP HSG SR .100CL</p>	 <p>TE Part # 926209-3 LOCKING CLIP HSG.</p>	 <p>TE Part # 1-87175-7 08 LOCKING CLIP HSG SR MRKD</p>
 <p>TE Part # 87133-9 08 LOCKING CLIP HSG DR .100CL</p>	 <p>TE Part # 926010-1 LOCKING CLIP HSG</p>	 <p>TE Part # 1-87175-2 05 LOCKING CLIP HSG SR .100CL</p>	 <p>TE Part # 87133-2 10 LOCKING CLIP HSG DR .100CL</p>



TE Part # 926209-5  
LOCKING CLIP HSG.



TE Part # 1-87133-1  
12 LOCKING CLIP HSG DR .100CL



TE Part # 1-87175-3  
06 LOCKING CLIP HSG SR MRKD



TE Part # 1-87175-4  
06 LOCKING CLIP HSG SR .100CL



TE Part # 1-87175-6  
07 LOCKING CLIP HSG SR .100CL



TE Part # 1-87175-8  
08 LOCKING CLIP HSG SR .100CL



TE Part # 2-87175-2  
10 LOCKING CLIP HSG SR .100CL



TE Part # 926209-4  
2X4P LOCK-CLIP GEH

## Customers Also Bought



TE Part #5787362-7  
68 50SR R/A RCPT ASSY,RDSN L/F



TE Part #87175-2  
01 LOCKING CLIP HSG SR .100CL



TE Part #1-87175-0  
04 LOCKING CLIP HSG SR .100CL



TE Part #87179-1  
LOCKING CLIP KEYING PLUG



TE Part #1-87175-2  
05 LOCKING CLIP HSG SR .100CL



TE Part #87133-2  
10 LOCKING CLIP HSG DR .100CL



TE Part #1-87175-4  
06 LOCKING CLIP HSG SR .100CL



TE Part #3325350001  
RPS-1K-22-18/2.0-S2-9



TE Part #5-520181-2  
ULTRA-FAST 187 ASY REC 22-18 AWG  
TPBR

## Documents





### Product Drawings

#### LOCKING CLIP ASSY .025 SQ LP

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_87165-1\\_R.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_87165-1\\_R.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_87165-1\\_R.2d\\_dxf.zip](#)

English

#### 3D PDF

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_87165-1\\_N.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_87165-1\\_N.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_87165-1\\_N.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### AMPMODU\_INTERCONNECTION\_SYSTEM\_SECTION5\_CONT

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

[MD\\_87165-1\\_032920181357\\_dmtec](#)

English

[MD\\_87165-1\\_032920181357\\_dmtec](#)

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

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[Hand Crimping Tool 90289-1](#)

English

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

English

[AMPMODU Locking Clip Contacts and Housings for 0.64mm Square Posts](#)

English