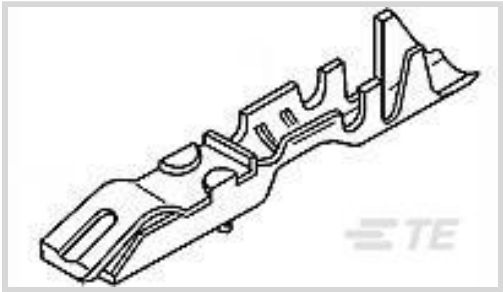


TE Internal #: 87165-2
Socket Contact, Tin (Sn), 250 VAC, 26 – 22 AWG, .12 – .4 mm² Wire,
254.1 – 642.4 CMA, Crimp, Phosphor Bronze, Signal, -65 – 105 °C
[-85 – 221 °F]

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
Contact Mating Area Plating Material: **Tin (Sn)**
Wire Contact Termination Area Plating Material: **Tin-Lead**
Operating Voltage: **250 VAC**
Wire Size: **26 – 22 AWG**

Features

Electrical Characteristics

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

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Bright
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp
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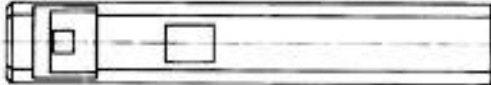
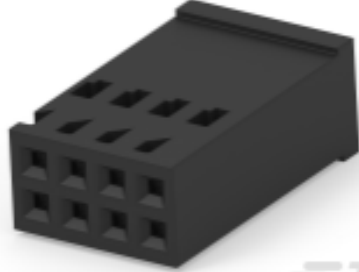


Product Terminates To	Wire & Cable
Mechanical Attachment	
Wire Insulation Support	With
Dimensions	
Compatible Insulation Diameter Range	.97 – 1.57 mm[.038 – .062 in]
Wire Size	254.1 – 642.4 CMA
Usage Conditions	
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
Compatible With Approved Standards Products	UL E28476
Packaging Features	
Packaging Quantity	1000
Packaging Method	Loose Piece
Product Compliance	
For compliance documentation, visit the product page on TE.com>	
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in 4690948374) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

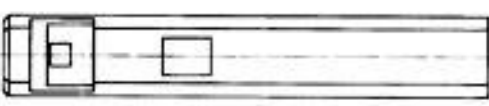
 TE Part # 2-87175-5 12 LOCKING CLIP HSG SR MRKD	 TE Part # 1-87133-0 08 LOCKING CLIP HSG DR MRKD	 TE Part # 87176-2 LOCKING CLIP HSG 2 POS	 TE Part # 926657-9 9P LOCKG CLIP GEH
 TE Part # 926209-4 2X4P LOCK-CLIP GEH	 TE Part # 2-87175-3 11 LOCKING CLIP HSG SR MRKD	 TE Part # 1-87175-8 08 LOCKING CLIP HSG SR .100CL	 TE Part # 1-926209-0 2X10P LOCK-CLIP GEH
 TE Part # 1-87175-0 04 LOCKING CLIP HSG SR .100CL	 TE Part # 1-87175-5 07 LOCKING CLIP HSG SR MRKD	 TE Part # 1-87175-7 08 LOCKING CLIP HSG SR MRKD	 TE Part # 2-87175-0 09 LOCKING CLIP HSG SR .100CL
 TE Part # 91533-1 CCII LOCKING CLIP 26-22 ASSY	 TE Part # 87133-6 20 LOCKING CLIP HSG DR MRKD	 TE Part # 87133-3 20 LOCKING CLIP HSG DR .100CL	 TE Part # 926209-7 2X7P LOCK-CLIP GEH



TE Part # 926209-8
[2X8P LOCK-CLIP GEH](#)



TE Part # 87175-8
[03 LOCKING CLIP HSG SR .100CL](#)



TE Part # 926657-7
[7P LOCKG CLIP GEH](#)



TE Part # 1-87175-6
[07 LOCKING CLIP HSG SR .100CL](#)

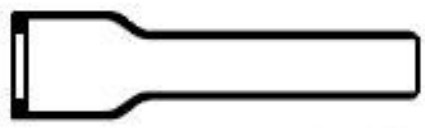
Customers Also Bought



TE Part #2205071-2
[CA MICRO-MATCH MOW-PB 10POS](#)



TE Part #42214-1
[250 FASTON TAB BR](#)



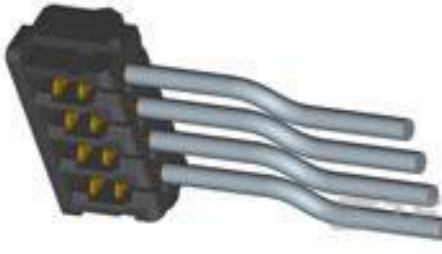
TE Part #808624-000
[202D221-3/42-0](#)



TE Part #YDTS26W09-35PAV001
[PLUG ASSY](#)



TE Part #172732-4
[POST HEADER 4P EIS WITH KINK](#)



TE Part #2-179694-2
[2MM CT MT REC ASSY 2P GRAY](#)



TE Part #1-66255-1
[MALE CONTACT ASSY. \(STRIP\)](#)



TE Part #87175-2
[01 LOCKING CLIP HSG SR .100CL](#)



TE Part #926209-5
[LOCKING CLIP HSG.](#)



TE Part #CC2870-000
[202D211-25-72-0](#)

Documents

Product Drawings

[LOCKING CLIP ASSY .025 SQ LP](#)

English

CAD Files

Customer View Model

[ENG_CVM_87165-2_R.3d_igs.zip](#)

English

Customer View Model



[ENG_CVM_87165-2_R.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_87165-2_R.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_87165-2_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87165-2_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87165-2_N.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Hand Crimping Tool 90289-1

English

Instruction Sheet (U.S.)

English

AMPMODU Locking Clip Contacts and Housings for 0.64mm Square Posts

English