



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	9
Number of Rows	1

Electrical Characteristics

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

Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Inline
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Retention Type	Lock
Mating Retention	Without

Housing Features

Housing Material	Polyester GF
Housing Entry Configuration	Both Ends Closed
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Height	4.44 mm[.175 in]
Connector Length	23.26 mm[.92 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	CSA LR7189, UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Bag
Packaging Quantity	250

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
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	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 # 87165-2
LOCKING CLIP ASSY .025 SQ LP

TE Part # 87190-1
LOCKING CLIP CONT ASSY .025 SQ

TE Part # 867052-1
LOCKING CLIP CONT ASSY .025 SQ

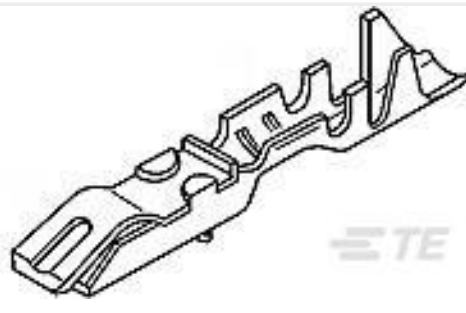
TE Part # 87179-1
LOCKING CLIP KEYING PLUG

TE Part # 5-867052-1
LOCKING CLIP CONT ASSY .025 SQ

TE Part # 87124-1
LOCKING CLIP CONT ASSY .025 SQ

TE Part # 867052-2
LOCKING CLIP CONT ASSY .025 SQ

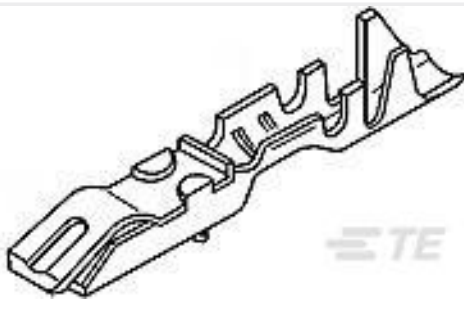
TE Part # 5-87165-2
LOCKING CLIP ASSY .025 SQ LP



TE Part # 5-87191-2
LOCKING CLIP ASSY .025 SQ LP



TE Part # 5-87124-2
LOCKING CLIP CONT ASY .025 SQ



TE Part # 87165-1
LOCKING CLIP ASSY .025 SQ LP

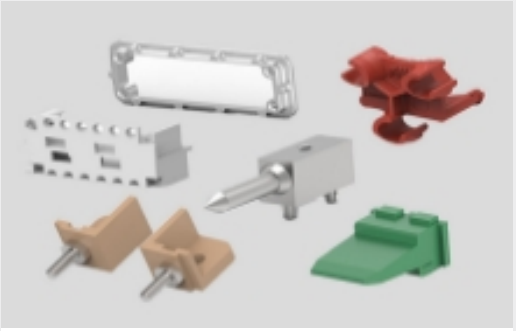


TE Part # 87191-1
LOCKING CLIP ASSY .025 SQ LP

Also in the Series | AMPMODU LOCKING CLIP



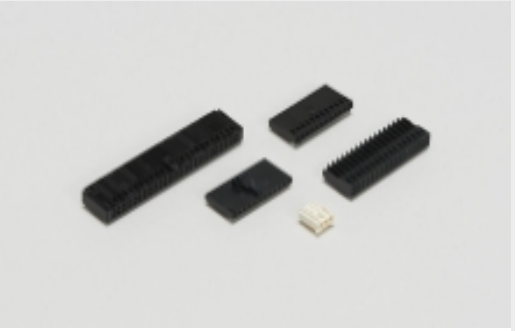
Connector Contacts(6)



Connector Hardware(1)



Insertion & Extraction Tools(2)



Wire-to-Board Connector Assemblies & Housings(75)

Customers Also Bought



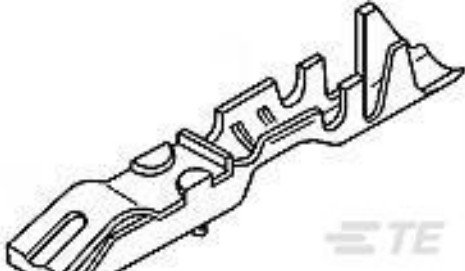
TE Part #170362-1
UNIV M-N-L SOC. 22-18 AWG



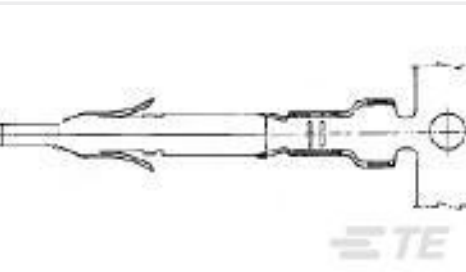
TE Part #172169-1
9 CIR UNIV M-N-L PLUG



TE Part #1445048-6
PANEL MT SNGL ROW HSG 6 POS



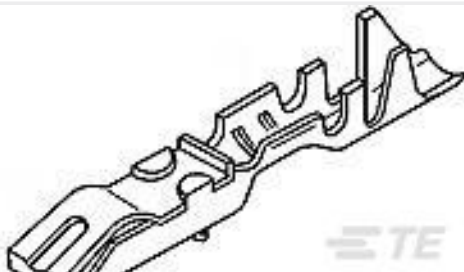
TE Part #5-87165-2
LOCKING CLIP ASSY .025 SQ LP



TE Part #170363-1
MINI UNIVERSAL M-N-L PIN LP



TE Part #828296-3
3P MOD 2 STIFT LEI



TE Part #87165-1
LOCKING CLIP ASSY .025 SQ LP



TE Part #G-NSDOG2-001
AXISENSE-2 V-OUT-25 TILT SENSOR FLOOR MT



TE Part #1483350-3
MICRO-MATCH LEAD 04P 250MM



Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-87175-9_U.3d_igs.zip

English

Customer View Model

ENG_CVM_1-87175-9_U.3d_stp.zip

English

Customer View Model

ENG_CVM_1-87175-9_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-87175-9_AT.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-87175-9_AT.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-87175-9_AT.3d_stp.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMPMODU Locking Clip Contacts and Housings for 0.64mm Square Posts

English

Agency Approvals

UL

English