



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: **20**

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	20
Number of Rows	2

Electrical Characteristics

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

Contact Features

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

Dimensions

Connector Length	25.81 mm[1.016 in]
Connector Height	7.62 mm[.3 in]
Row-to-Row Spacing	2.54 mm[.1 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

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

Packaging Features

Packaging Quantity	200
Packaging Method	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: JAN 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed

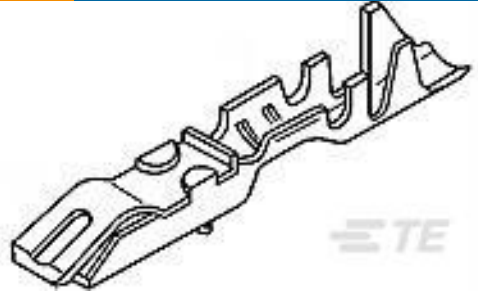
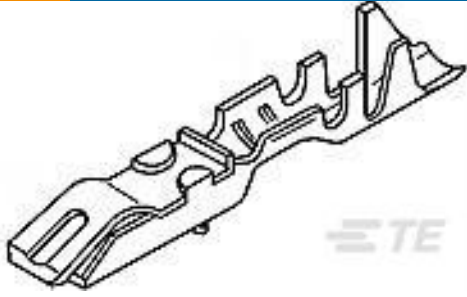
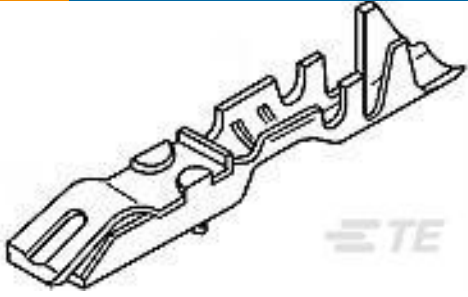
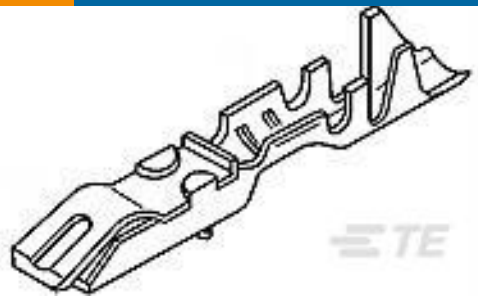
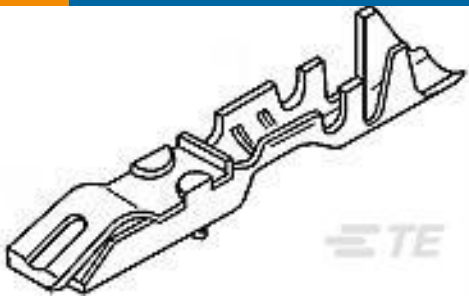
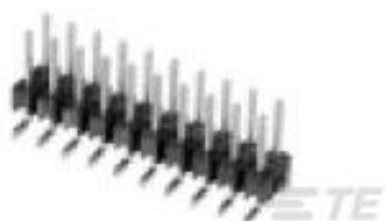


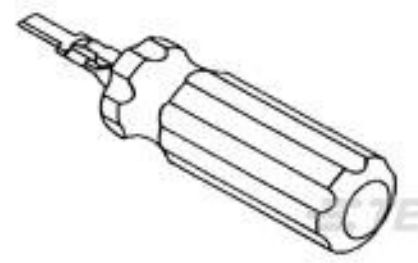
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

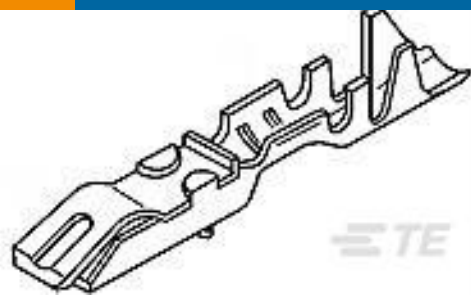
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

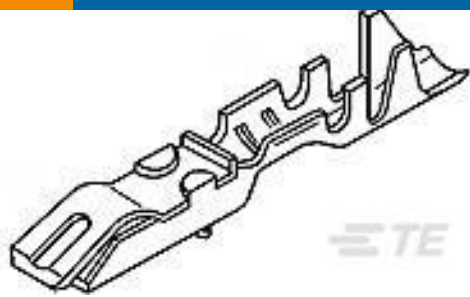
 TE Part # 5-87165-2 LOCKING CLIP ASSY .025 SQ LP	 TE Part # 87179-1 LOCKING CLIP KEYING PLUG	 TE Part # 867052-2 LOCKING CLIP CONT ASSY .025 SQ	 TE Part # 5-87191-2 LOCKING CLIP ASSY .025 SQ LP
 TE Part # 87165-1 LOCKING CLIP ASSY .025 SQ LP	 TE Part # 87165-2 LOCKING CLIP ASSY .025 SQ LP	 TE Part # 1-104350-0 20 MODII HDR DRST B/A W/HD	 TE Part # 1-104355-0 20 MODII HDR DRRA B/A W/HLDWN
 TE Part # 6-103326-3 26 MODII HDR DRRA B/A .100CL	 TE Part # 1-103149-0 20 MODII HDR DRRA B/A .100CL	 TE Part # 1-104353-0 20 MODII HDR DRRA B/A W/HLDWN	 TE Part # 147279-5 20 MODII HDR DR SFMT B/A T&R



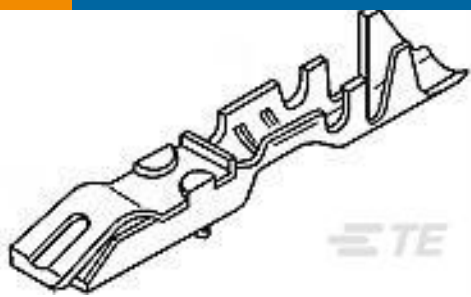
TE Part # 91084-1
EXTRACTION TOOL



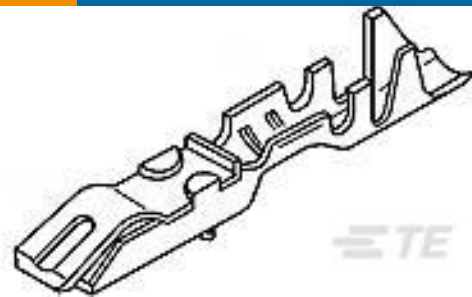
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LOCKING CLIP CONT ASSY .025 SQ



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



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



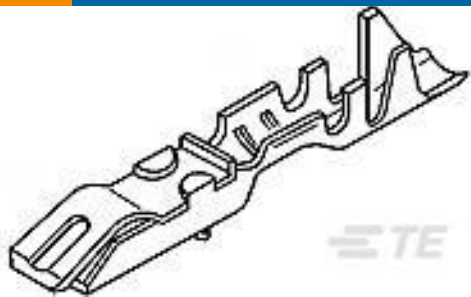
TE Part # 5-867052-1
LOCKING CLIP CONT ASSY .025 SQ



TE Part # 1-103783-0
20 MODII HDR DRST B/A .100CL



TE Part # 1-103801-0
20 MODII HDR DRRA B/A .100CL



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

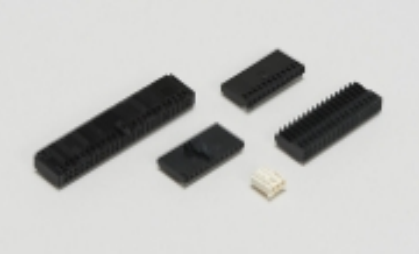
Also in the Series | AMPMODU LOCKING CLIP



Insertion & Extraction Tools(4)



PCB Connector Keying(1)



Wire-to-Board Connector Assemblies
& Housings(89)



Wire-to-Board Connector Contacts(7)

Customers Also Bought



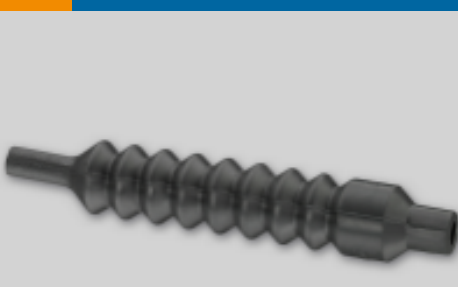
TE Part #200868-1
SER. "M" JACKSCREW MALE ASSEM.



TE Part #1423673-5
W51-A121B1-10=CKTBKR,THERM,ROC



TE Part #1825516-3
MSP103C004



TE Part #127587-000
Convoluted Heat Shrink Uni Boots:
Lipped, Straight



TE Part #1617128-3
JMSCD-12XMS = M39016/16-043M



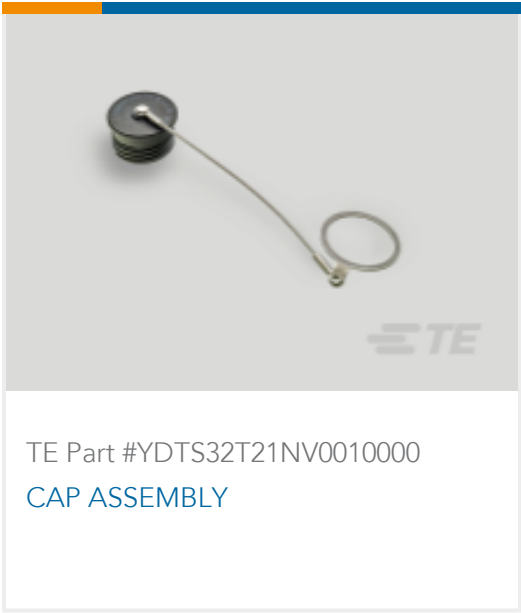
TE Part #1-207534-0
SKT HDR ASSY,36P,MMATE LF



TE Part #1-87133-0
08 LOCKING CLIP HSG DR MRKD



TE Part #2-87175-0
09 LOCKING CLIP HSG SR .100CL



Documents

Product Drawings

20 LOCKING CLIP HSG DR MRKD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_87133-6_AB.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_87133-6_AB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_87133-6_AB.3d_stp.zip

English

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

Product Environmental Compliance

MD_87133-6_041720151311_dmtec

English

MD_87133-6_041720151311_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMPMODU Locking Clip Contacts and Housings for 0.64mm Square Posts

English