103648-7 ✔ ACTIVE

AMPMODU | AMPMODU MTE

TE Internal #: 103648-7

8 Position, Receptacle, Housing, Crimp / Insulation Displacement (IDC), Wire-to-Board, UL 94V-0, 2.54 mm [.1 in] Centerline, 1 Row, AMPMODU MTE

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Contact Retention Within Housing: **With**

UL Flammability Rating: **UL 94V-0**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	8
Number of Rows	1

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	600 VACrms
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Contact Retention Within Housing	With
Contact Type	Socket

Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp, Insulation Displacement (IDC)

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	2.49 mm[.098 in]
Connector Length	20.26 mm[.8 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Package
Packaging Quantity	1

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 2025 (250)

	Candidate List Declared Against: JUNE 2025 (250) 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

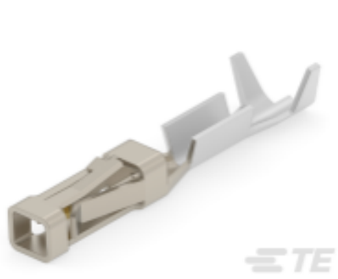
Product Compliance Disclaimer

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

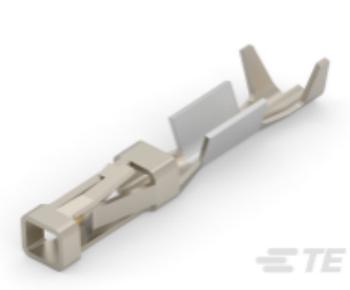
Compatible Parts



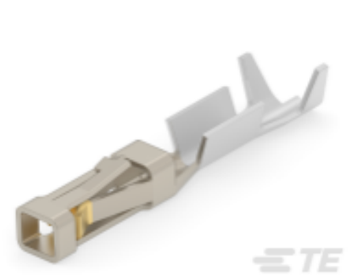
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08 MTE HDR SRST LATCH .100CL



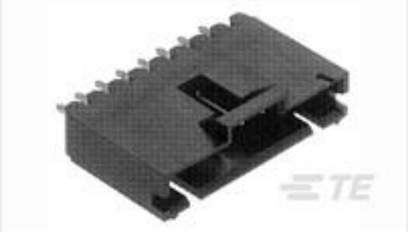
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SHORT POINT CONT 15 DPLX STMPD LF



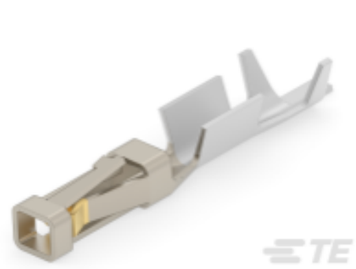
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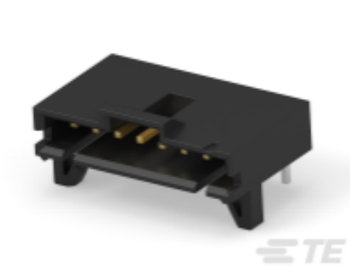
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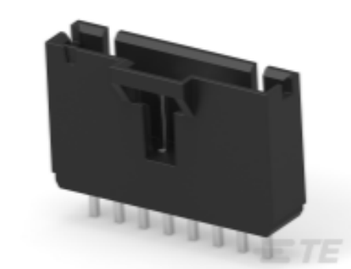
TE Part # 5-103735-7
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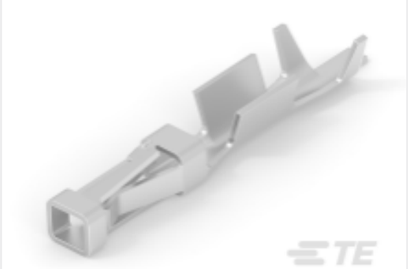
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TE Part # 5-103673-7
8 MTE HDR SRRA LATCH W/HLDWN



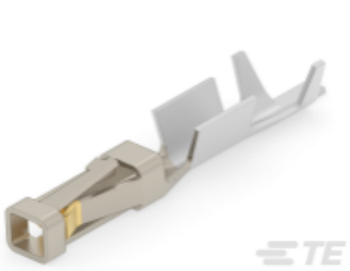
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08 MTE HDR SRST LATCH W/HLDWN



TE Part # 104479-8
SHORT POINT CONT PLTD SN



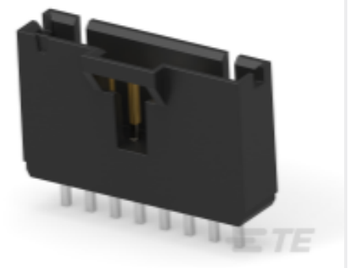
TE Part # 5-1375583-7
08 MTE VERTICAL SMT HDR 30 AU



TE Part # 1-104479-0
SHORT POINT CONT 30 DPLX STMPD LF



TE Part # 1-104481-1
SHORT POINT CONT 30 DPLX STMPD LF



TE Part # 5-103908-7
08 MTE HDR SRST LATCH W/HLDWN

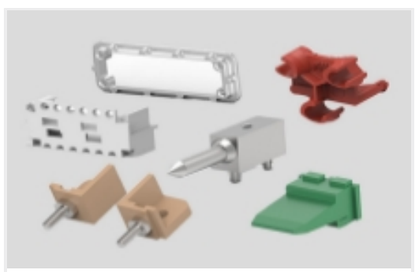
Also in the Series | AMPMODU MTE



Connector Caps & Covers(18)



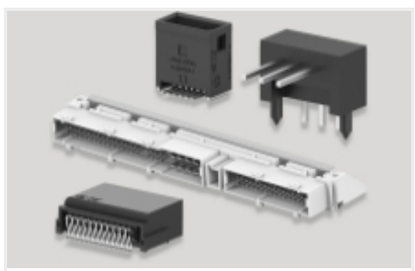
Connector Contacts(19)



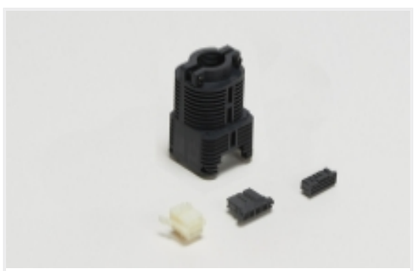
Connector Hardware(1)



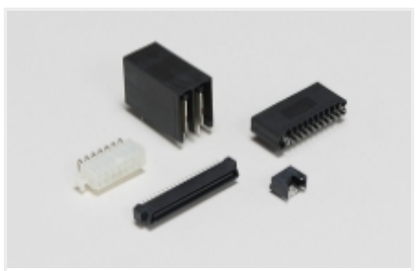
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(330)



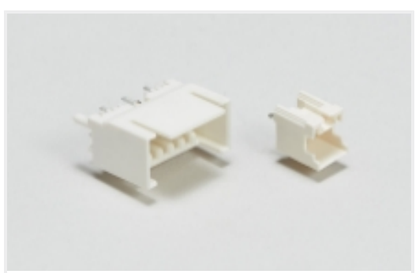
Rectangular Connector Housings(66)



Standard Rectangular Connectors(201)

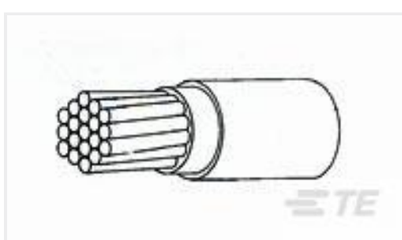


Wire-to-Board Connector Assemblies & Housings(201)



Wire-to-Board Headers & Receptacles (330)

Customers Also Bought



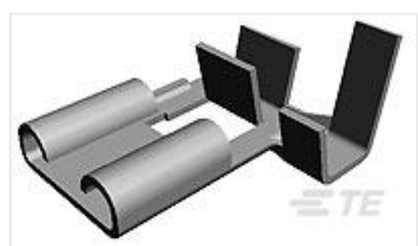
TE Part #282029-031
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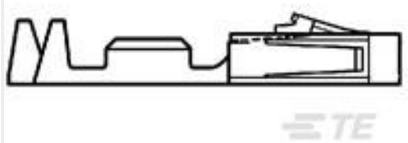
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D-108-11



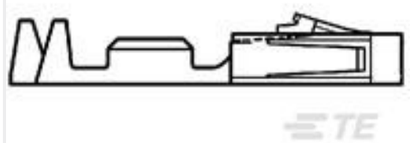
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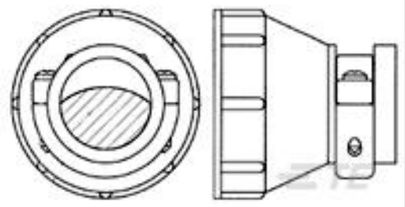
TE Part #63009-1
250 FASTON FLAG REC 18-14 AWG BR



TE Part #1-104480-3
SHORT POINT CONT 30 DPLX STMPD LF



TE Part #5-104481-2
SHORT POINT CONT PLTD SN



TE Part #213904-4
CPC CBL CLMP KIT,STD,SZ17,BULK



TE Part #350762-5
06P UMNL HDR ASSY PC LF



TE Part #3-647001-3
03P MTA100 PSTD CONN ASSY SN



TE Part #1977877-1
SLD CPC RCPT ASY,11-4,STD SEX, UV RESIST

Documents

Product Drawings

08 MTE RCPT HSG SR RIB .100CL

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_103648-7_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_103648-7_K.3d_igs.zip

English

Customer View Model

ENG_CVM_103648-7_K.3d_stp.zip

English

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Datasheets & Catalog Pages

AMP MODU MTE Section of Catalog 1307819

English

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English