530521-9 ✔ ACTIVE

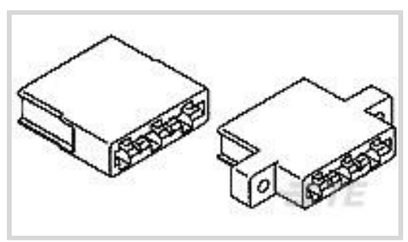
AMP | AMP MR

TE Internal #: 530521-9

AMP MR, Housing, Receptacle, Wire-to-Board, 12 Position, 7.92mm [.312in] Centerline, 1 Row, White Housing Color, Wire & Cable

View on TE.com >

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: **12**

Centerline (Pitch): **7.92 mm [.312 in]**

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	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Inline
Contact Type	Socket
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	30 A

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without

PCB Mount Retention	Without
Panel Mount Feature Type	Mounting Ears
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	Nylon 6/6
Centerline (Pitch)	7.92 mm[.312 in]
Housing Color	White

Dimensions

Connector Length	35.56 mm[1.4 in]
Connector Height	11.1 mm[.437 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Wire Size	16 – 10 AWG

Usage Conditions

Operating Temperature Range	-40 – 95 °C[-40 – 203 °F]

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	75
Packaging Method	Box

Other

Comment	Designed to accept 1.40-1.78 [.055-.070] thick daughter boards- use intercontact Keying Plug #530533-1.

Product Compliance

For compliance documentation, visit the product page on TE.com>

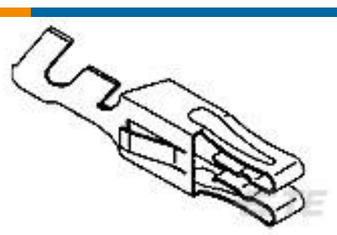
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

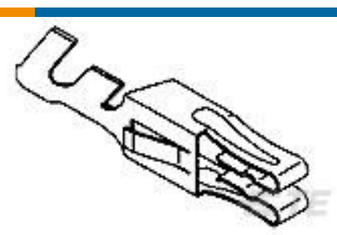
Product Compliance Disclaimer

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 # 5-530519-2
HIGH CURRENT CONT-STRIP



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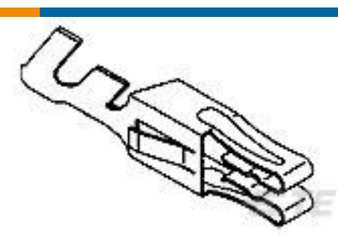
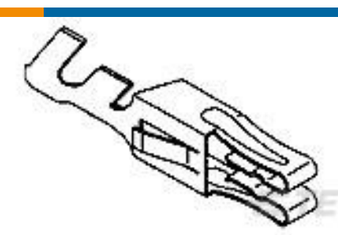


TE Part # 530518-1
CONT.HIGH CURRENT L.P.



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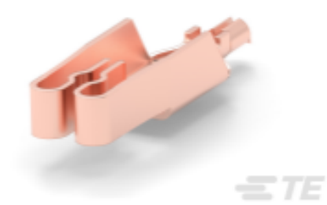
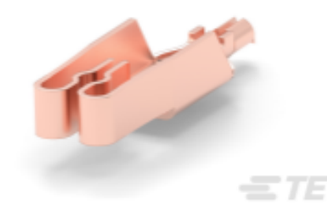


TE Part # 5-531355-3
HIGH CURRENT LOOSE PIECE



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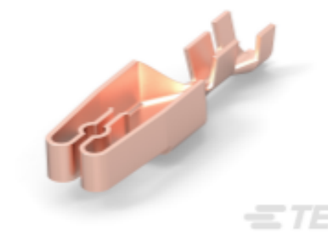
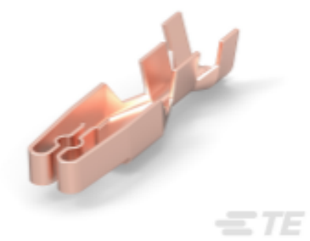


TE Part # 530517-1
CONT.HIGH CURRENT STRIP

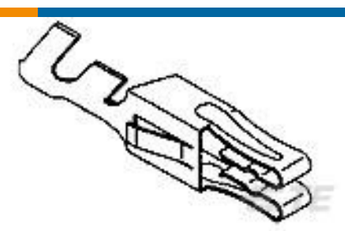


TE Part # 530517-3
HIGH CURRENT CONT STRIP



TE Part # 530519-1

CONT.HIGH CURRENT STRIP



TE Part # 530519-2

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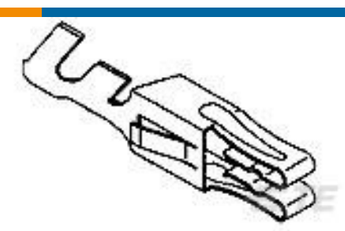

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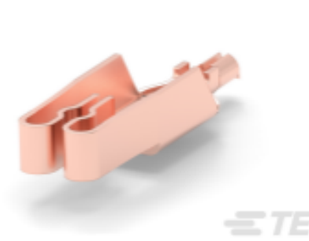


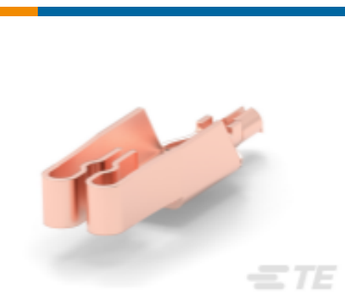
TE Part # 531355-1

CONT.HIGH CURRENT STRIP



TE Part # 531355-2

HIGH CURRENT LOOSE PIECE



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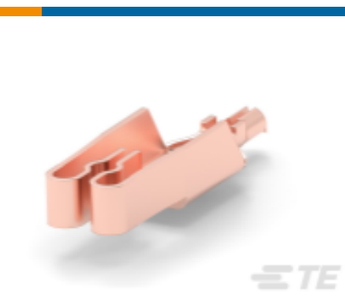
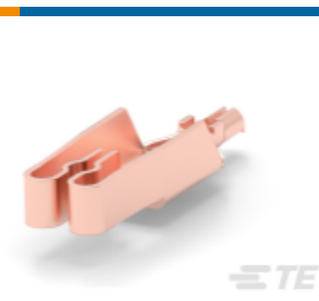


TE Part # 531355-4

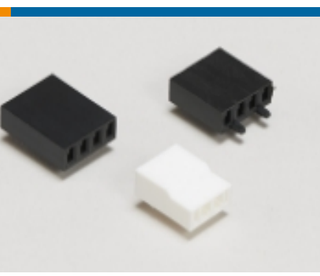
HIGH CURRENT CONT STRIP



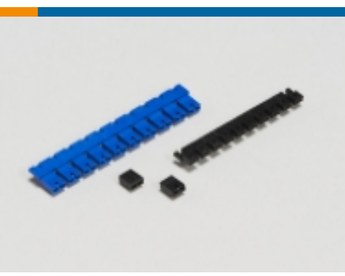
TE Part # 531355-7

HIGH CURRENT CONT STRIP

Also in the Series | AMP MR



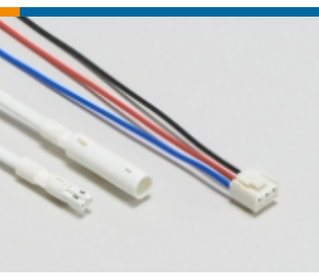
Board-to-Board Connector Housings(2)



Board-to-Board Jumpers & Shunts(4)



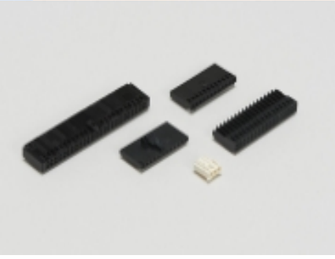
Insertion & Extraction Tools(1)



Power Cable Assemblies(1)

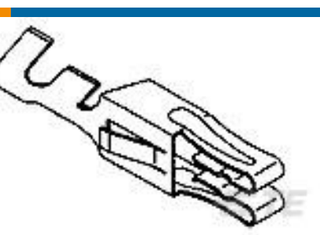


Rectangular Power Connectors(12)



Wire-to-Board Connector Assemblies & Housings(4)

Customers Also Bought



TE Part #5-530519-2

HIGH CURRENT CONT-STRIP



TE Part #1-770996-3

13P SL 156 HSG W/TABS W/O LR



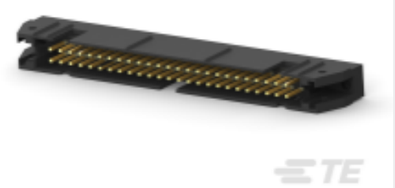
TE Part #1-480709-4

12P UMNL CAP HSG YELL



TE Part #1-117169-3

CARD GUIDE ECON I



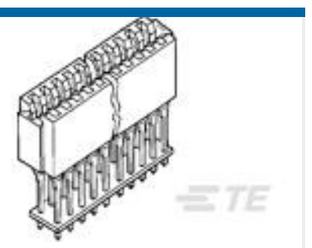
TE Part #1-499374-0
AMP-LATCH UNIVERSAL HEADERS



TE Part #228435-1
SMB Connector: Male (Jack), Right-angle Mount, Mated Outer Dia. 4.75 mm



TE Part #YDTS20W25-43SE0000
D38999: Square Flange, 25-43 insert



TE Part #1-119790-4
AMP PACE CONN 28POS 156X200C/L



TE Part #2-1986720-0
STR PLUG SPRING TYPE RH 20P, 3.81 mm



TE Part #3-456405-2
CRIMPER, WIRE .080 "F"

Documents

Product Drawings

HIGH CURRENT HSG 12 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_530521-9_H.3d_igs.zip

English

Customer View Model

ENG_CVM_530521-9_H.3d_stp.zip

English

Customer View Model

ENG_CVM_530521-9_H.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_CVM_530521-9_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_530521-9_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_530521-9_U.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English