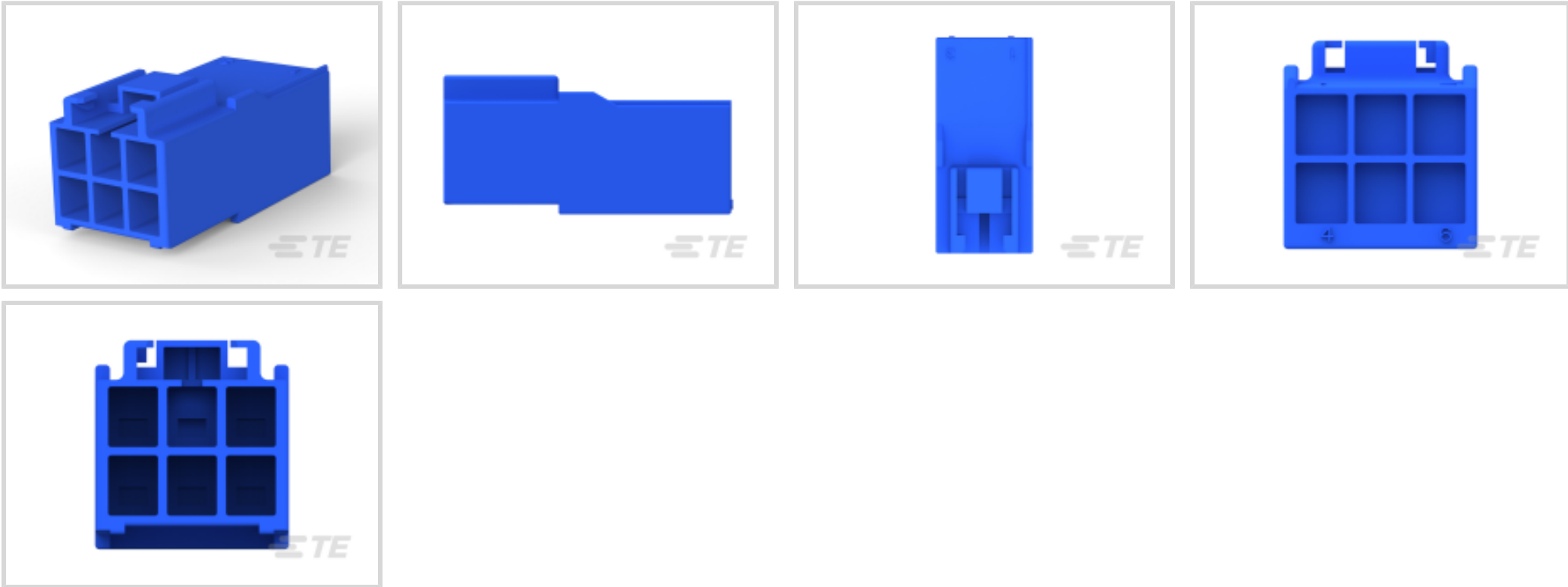




Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	0
Number of Power Positions	0
Number of Positions	6
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC

Body Features



Primary Product Color	Blue
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Contact Features

Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Type	Tab
Contact Retention Within Housing	Without
Contact Current Rating (Max)	7 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Nylon 6/6
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]
Connector Height	13 mm[.51 in]
Connector Length	29 mm[1.14 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 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
UL Flammability Rating	UL 94V-0



Packaging Features

Packaging Quantity	500
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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 # 176274-9
AMP UNIVERSAL POWER PLUG 6P



TE Part # 175149-3
AMP UNIVERSAL POWER CONN.TAB C



TE Part # 175149-2
AMP UNIVE. POWER CONN TAB CONT

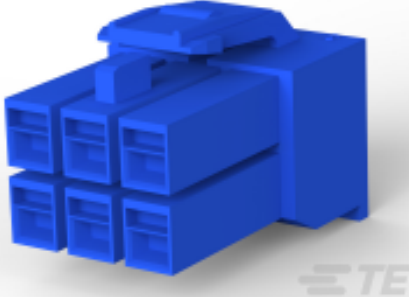


TE Part # 175149-1
UNIVERSAL POWER CONN TAB





TE Part # 176274-1
AMP UNIVERSAL POWER PLUG 6P



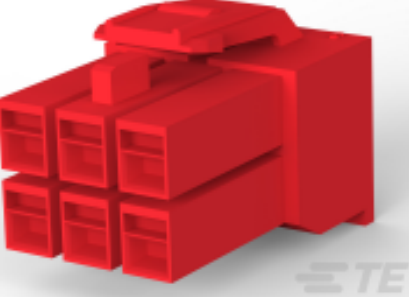
TE Part # 176274-6
AMP UNIVERSAL POWER PLUG 6P



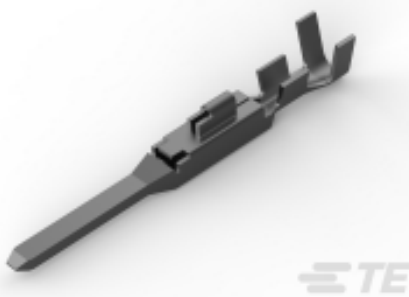
TE Part # 175154-2
U/P TAB CONT L/P



TE Part # 176274-4
AMP UNIVERSAL POWER PLUG 6P



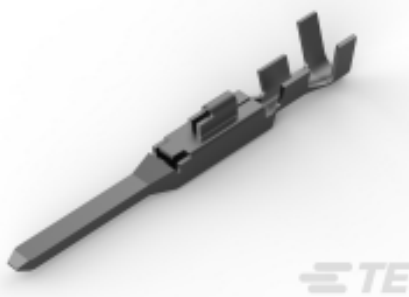
TE Part # 176274-2
AMP UNIVERSAL POWER PLUG 6P



TE Part # 175153-1
UNIV POWER TAB CONT L/P



TE Part # 175154-1
UNIV POWER TAB CONT L/P



TE Part # 175153-2
U/P TAB CONT L/P



TE Part # 175150-1
UNIVERSAL POWER CONN TAB



TE Part # 175150-2
AMP UNIVE. POWER CONN TAB CONT

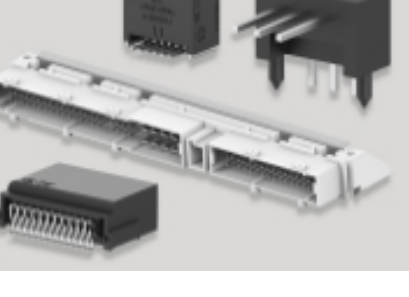
Also in the Series | AMP Universal Power



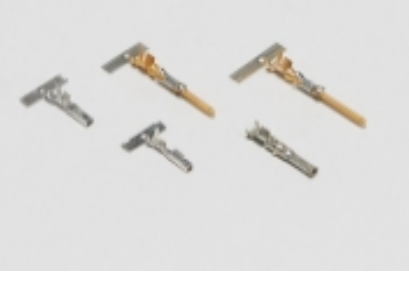
Connector Contacts(22)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(51)



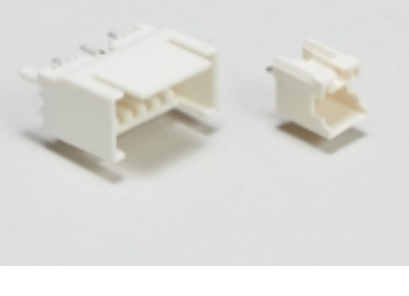
Power Contacts(21)



Rectangular Connector Housings(112)



Rectangular Power Connectors(163)



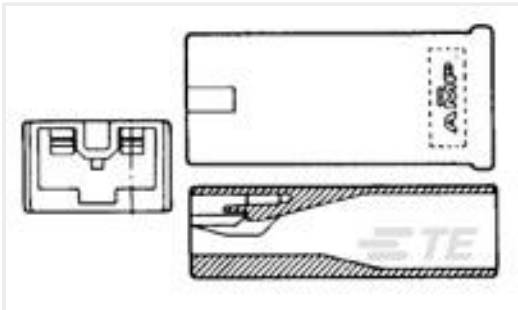
Wire-to-Board Headers & Receptacles (51)

Customers Also Bought

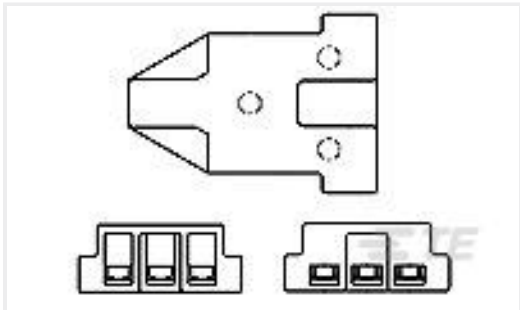




TE Part #CAT-AM7017-H8172
AMP COMMON TERMINATION HOUSINGS



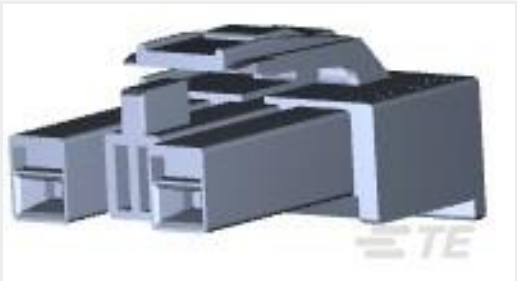
TE Part #179970-1
250 HSG. PL EX REC.



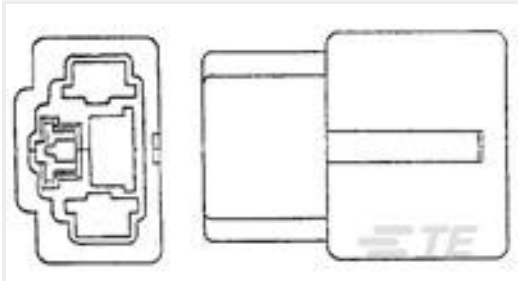
TE Part #171370-5
CLUSTER BLOCK HSG PBT



TE Part #176281-1
UNIV POWER CAP HSG 1P F/H



TE Part #178125-1
U/POWER PLUG HSG 2P 7.92M/M



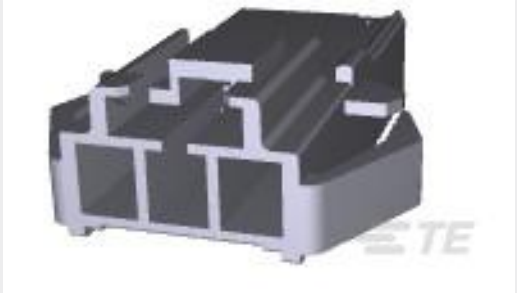
TE Part #176773-5
FF 250 CAP HSG 3P NYLON NAT



TE Part #316292-5
3.2 CLUSTER REC L-TYPE TIN



TE Part #175149-2
AMP UNIVE. POWER CONN TAB CONT



TE Part #176293-1
UNIV POWER CAP HSG 3P P/MOUNT

Documents

Product Drawings
AMP UNIVERSAL POWER CAP 6P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_176285-6_G_c-176285-6-g.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_176285-6_G_c-176285-6-g.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_176285-6_G_c-176285-6-g.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications



[Crimping of Universal Power Contact](#)

English

[Product Specification](#)

Japanese

[AMP Universal Power Connector](#)

Japanese

[Instruction Sheets](#)

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

English

[Instruction Sheet \(non U.S.\)](#)

English

[Agency Approvals](#)

[UL Report](#)

English