

UNIV POWER PLUG HSG 18P F/H ✓ ACTIVE

AMP Universal Power

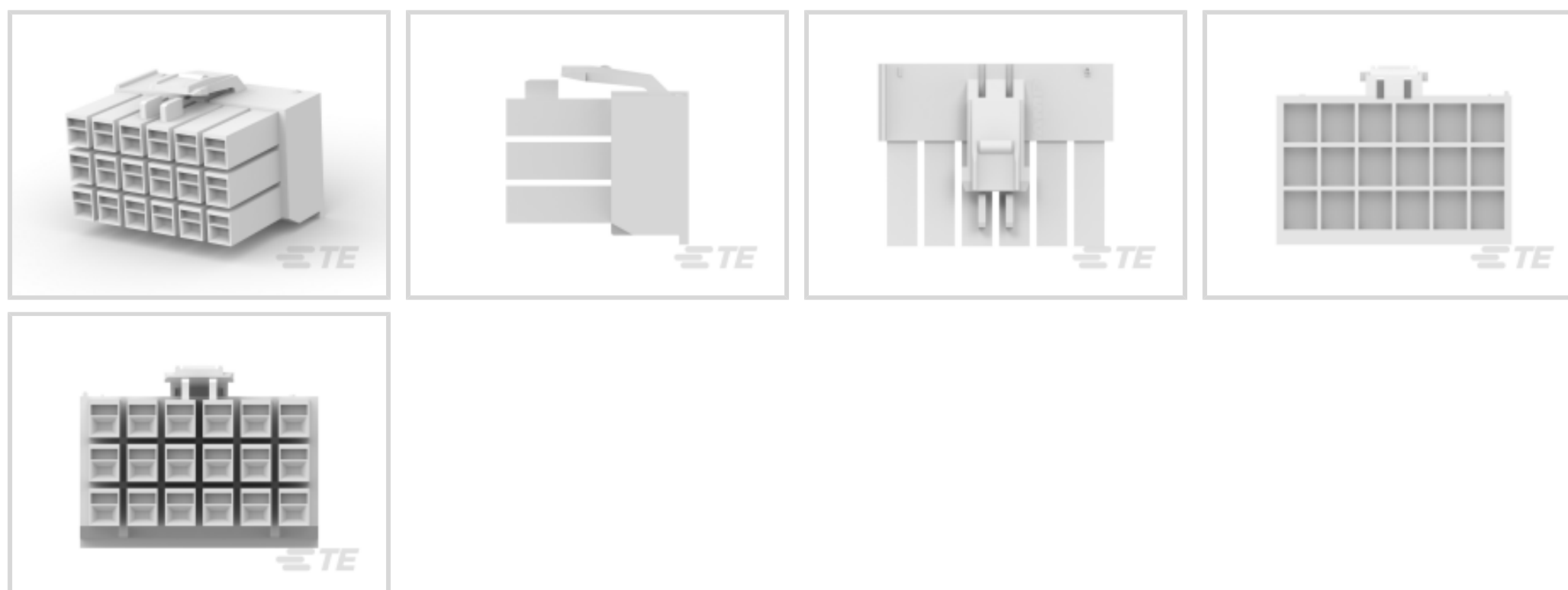
TE Part # 176280-1

TE Internal #: 176280-1

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**

Housing Type: **Plug**

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

Number of Positions: **18**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	18
Number of Rows	3
Row-to-Row Spacing	4.6 mm [.181 in]

Electrical Characteristics

Operating Voltage	300 VAC
Insulation Resistance	1000 MΩ

Contact Features

Contact Layout	Matrix
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	7 A
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Contact Retention	Without
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Centerline (Pitch)	3.96 mm[.156 in]
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UL Flammability Rating	UL 94V-0
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Housing Color	Natural
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Housing Material	Nylon 6/6
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Dimensions

Height	16.3 mm[.64 in]
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Length	19.3 mm[.76 in]
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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
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	500
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Other



For Use With	Cap Housing
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Product Compliance

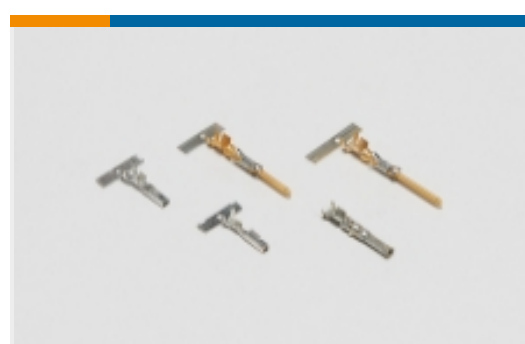
[For compliance documentation, visit the product page on TE.com>](#)

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	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月 (197) SvHCs候选清单的声明更新至: 2019年1月 (197)
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 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



Power Contacts(12)

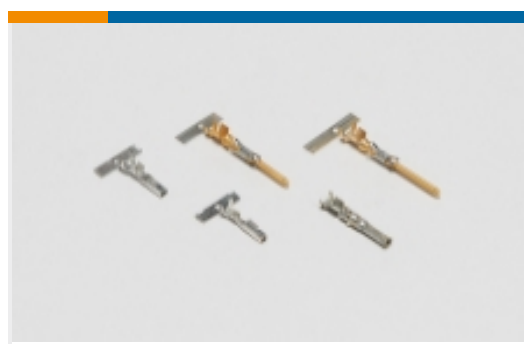


Rectangular Power Connectors(3)

Also in the Series | [AMP Universal Power](#)



Connector Contacts(1)

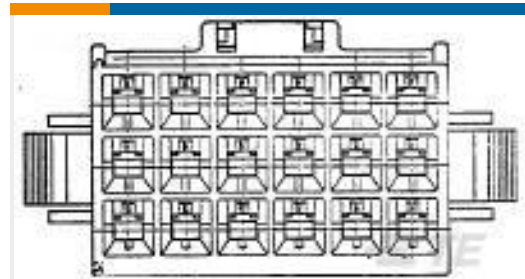


Power Contacts(21)



Rectangular Power Connectors(178)

Customers Also Bought



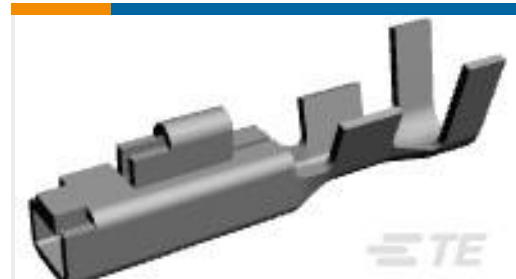
TE Part #176301-1
UNVI POWER CAP HSG
18P PNL MTG



TE Part #176291-1
UNIV POWER CAP HSG
18P F/H



TE Part #176278-1
UNIV POWER PLUG HSG
12P F/H



TE Part #175155-1
UNIV POWER REC CONT L
/P



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



TE Part #175149-1
UNIVERSAL POWER
CONN TAB



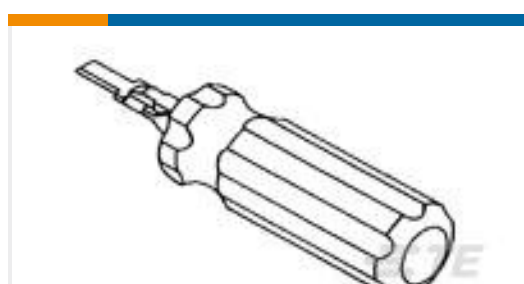
TE Part #3-917809-3
DYNAMIC D-5 TAB HSG D
/R 6P X-Y



TE Part #1747363-1
DYNAMIC D-3800 REC
HSG 12P WITH HTS CONN



TE Part #1747364-1
DYNAMIC D-3800 TAB
HSG 12P WITH HTS CONN



TE Part #913923-1
EXTRACTON TOOL FOR
175150

Documents

Product Drawings

UNIV POWER PLUG HSG 18P F/H

English

CAD Files

Customer View Model

ENG_CVM_176280-1_B.3d_igs.zip

English

Customer View Model



[ENG_CVM_176280-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_176280-1_B.3d_stp.zip](#)

English

3D PDF

English

Product Specifications

[Crimping of Universal Power Contact](#)

Japanese

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Instruction Sheets

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

English

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

English

Agency Approvals

[UL Report](#)

English