765206-2 ✔ ACTIVE

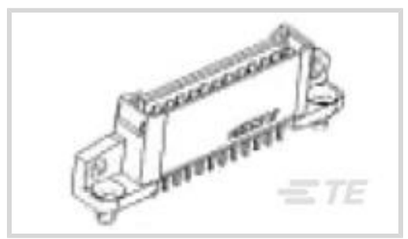
AMPOWER Wave Crimp

TE Internal #: 765206-2

Rectangular Power Connectors, Header, Plug, Cable-to-Board, 12 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, AMPOWER Wave Crimp

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Cable-to-Board**

Number of Positions: **12**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	12
PCB Mount Orientation	Vertical
Number of Power Positions	12
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Layout	Inline
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy

Contact Current Rating (Max)	45 A
Contact Retention Within Housing	Without
Contact Type	Receptacle
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Silver
Contact Mating Area Plating Material Thickness	2.54 – 3.81 µm[100 – 150 µin]
	150 – 250 µin

Termination Features

Termination Post & Tail Length	1.16 mm[.026 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Height	17.02 mm[.67 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Method	Tube
Packaging Quantity	13

Other

For Use With	Receptacle Assembly

Product Compliance

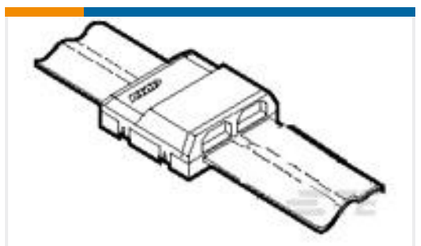
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not lead free process capable

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 # 765276-1
TRANSITION ASSEMBLY - WIRE TAP

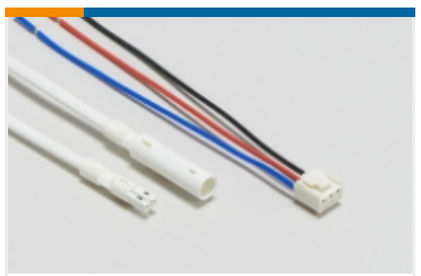
Also in the Series | AMPOWER Wave Crimp

Board-to-Board Connector Contacts(3)

Busbar Connectors(3)

Crimp Terminal Housings(2)

PCB Connector Strain Relief(4)

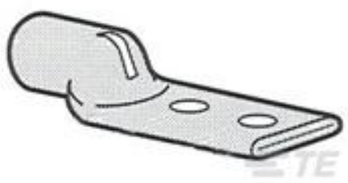


Power Cable Assemblies(1)

Rectangular Power Connectors(32)

Customers Also Bought

TE Part #EC9833-000
ZHD-SCE-3.2-50-S1-4



TE Part #55992-1
TERMINAL,AMPOWER R 2/0 5/16

TE Part #1-1415543-5
RTE44110

TE Part #ASA158F12390235000
623 PLUG

TE Part #ZPF000000000205378
CONTACT MALE ANG.90, CAL20, 120MM2 - FXP

TE Part #ZPF000000000205388
CONTACT FEMALE CAL.20, M12 - FXP

TE Part #ZPF000000000205373
PLUG MALE ANG.90 CAL.20 - FXP

TE Part #YZ-KC-212751A-PY00
TOOL DISMOUNTING - FXP2

Documents

Product Drawings

VERT HEADER ASSM .100CL .165

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_765206-2_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_765206-2_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_765206-2_T.3d_stp.zip

English

Product Specifications

Application Specification

English