



HPI

TE Internal #: 1-1735447-2

HPI, Housing, Receptacle, Wire-to-Board, 12 Position, 2mm [.079in]

Centerline, 1 Rows, Natural, Mating Retention, Wire & Cable

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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): **2 mm [.079 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	250 VAC
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Contact Features

Contact Layout	Inline
Contact Type	Socket
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without



PCB Mount Retention	Without
Mating Retention Type	Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	Thermoplastic
Centerline (Pitch)	2 mm[.079 in]
Housing Color	Natural

Dimensions

Connector Length	24.8 mm[.9764 in]
Connector Height	6.55 mm[.258 in]
Connector Width	9.4 mm[.37 in]
Wire Size	.05 – .02 mm²

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	600
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 2020 (205) Candidate List Declared Against: JUN 2016 (169)



	Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUN 2016 (169)
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

TE Model / Part # 1-1735446-2
2MM PITCH HPI POST HEADER,
VERTICAL, 12P

Also in the Series | HPI

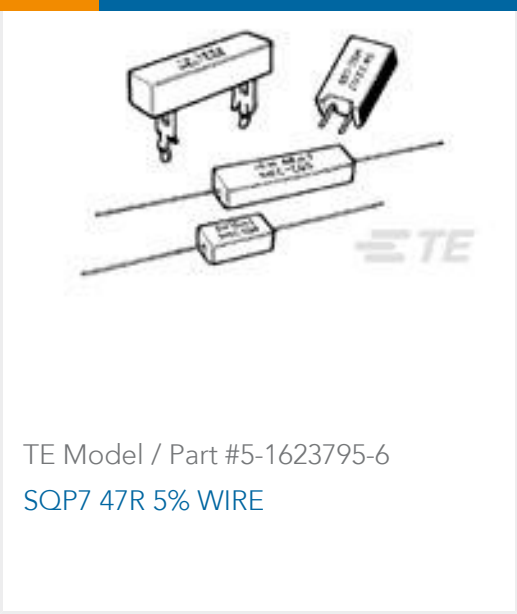
Wire-to-Board Connector Assemblies
& Housings(93)

Wire-to-Board Connector Contacts(2)


Wire-to-Board Headers & Receptacles
(135)




Customers Also Bought




TE Model / Part #5-1623795-6
SQP7 47R 5% WIRE




TE Model / Part #3-2176398-8
3502 470K 1%




TE Model / Part #1-1735446-2
2MM PITCH HPI POST HEADER,
VERTICAL, 12P




TE Model / Part #1-1735446-1
2MM PITCH HPI POST HEADER,
VERTICAL, 11P



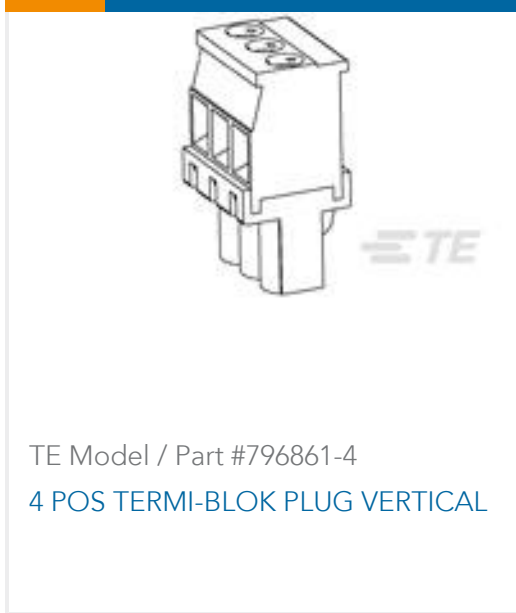
TE Model / Part #1735446-9
2MM PITCH HPI POST HEADER,
VERTICAL, 9P




TE Model / Part #1735447-7
HPI 2.0 RECEPTACLE HOUSING, 7P




TE Model / Part #5-1625867-5
RP 1J 0.166W 22R6 0.1% 25PPM 1K RL



TE Model / Part #796861-4
4 POS TERMI-BLOK PLUG VERTICAL



TE Model / Part #1-1735447-1
HPI 2.0 RECEPTACLE HOUSING, 11P



TE Model / Part #1735447-9
HPI 2.0 RECEPTACLE HOUSING, 9P

Documents

Product Drawings

HPI 2.0 RECEPTACLE HOUSING, 12P

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1735447-2_F.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1735447-2_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1735447-2_F.3d_igs.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



Datasheets & Catalog Pages

1-1773713-2_HIGH_PERFORMANCE_INTERCONNECT_QUICK_REFERENCE_GUIDE_EN

English

Product Specifications

Application Specification

English