



HPI

TE Internal #: 1-1735447-2

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

Centerline, 1 Row, Natural, Mating Retention, Wire & Cable, Power & Signal, HPI

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings > AMP HPI 2.0 mm Receptacle Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

Centerline (Pitch): **2 mm [.079 in]**

[All AMP HPI 2.0 mm Receptacle Housings \(60\)](#)

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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Body Features

Primary Product Color	Natural
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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]
Dimensions	
Connector Length	24.8 mm[.976 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]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
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: JUNE 2024 (241) Candidate List Declared Against: JUN 2016 (169) 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 # 1-1735446-2  
2MM PITCH HPI POST HEADER,  
VERTICAL, 12P

Also in the Series | HPI

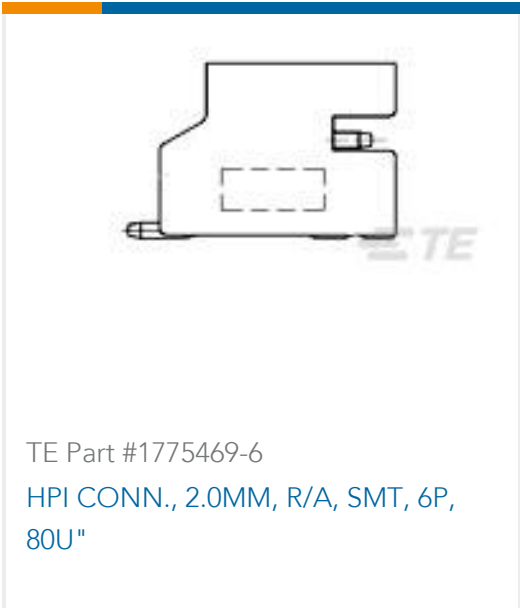
Connector Contacts(1)

PCB Headers & Receptacles(332)

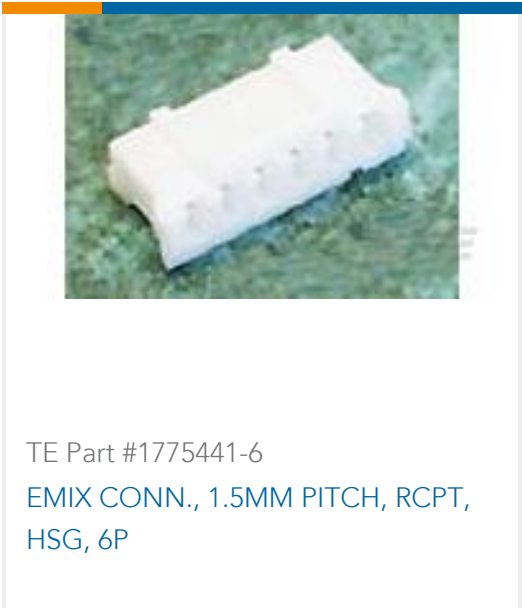
Wire-to-Board Connector Assemblies  
& Housings(134)

Customers Also Bought






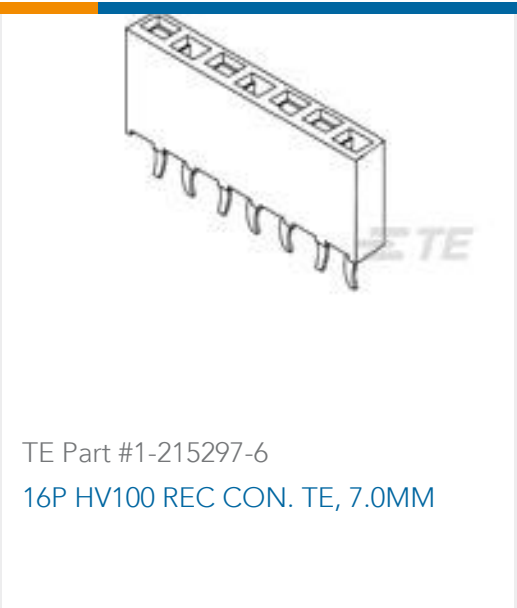
TE Part #1775469-6  
HPI CONN., 2.0MM, R/A, SMT, 6P,  
80U"



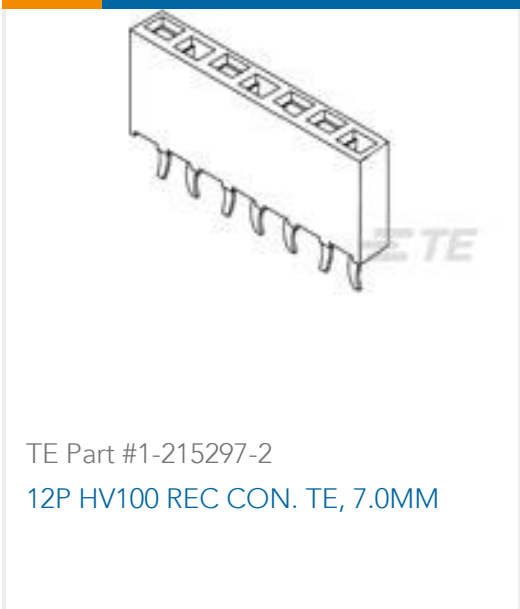
TE Part #1775441-6  
EMIX CONN., 1.5MM PITCH, RCPT,  
HSG, 6P




TE Part #749806-7  
KIT,HDP-20,RCPT,SIZE 1, 9 POSN




TE Part #1-215297-6  
16P HV100 REC CON. TE, 7.0MM




TE Part #1-215297-2  
12P HV100 REC CON. TE, 7.0MM



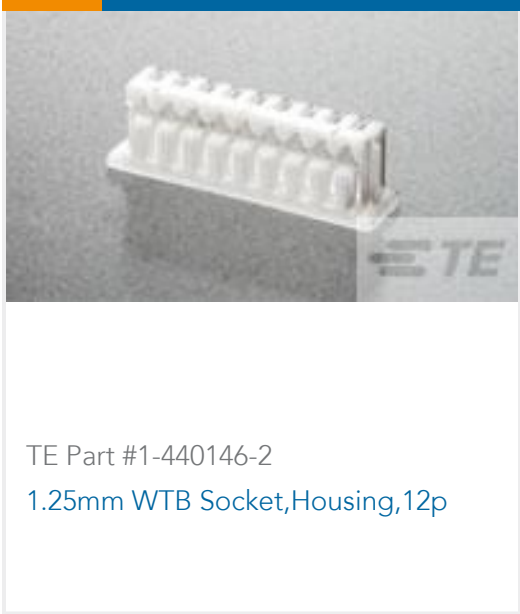
TE Part #292228-8  
1.5 MINI CT SGL H SMT W/O BOSS



TE Part #1470364-2  
1.0MM W T B RECPT,2POS HOUSING



TE Part #5-1814400-2  
SMA R/A PCB Skt GZD



TE Part #1-440146-2  
1.25mm WTB Socket,Housing,12p

Documents

Product Drawings  
HPI 2.0 RECEPTACLE HOUSING, 12P  
English

CAD Files  
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  
Customer View Model  
ENG\_CVM\_CVM\_1-1735447-2\_F.3d\_stp.zip  
English

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

Datasheets & Catalog Pages



HPI Connectors QRG

English

Product Specifications

Application Specification

English