



HPI

TE Internal #: 1-1735447-2

Housing, Receptacle, Wire-to-Board, 12 Position, .079 in [2 mm] 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
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### 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 mm <sup>2</sup>

### 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 2024 (240) 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

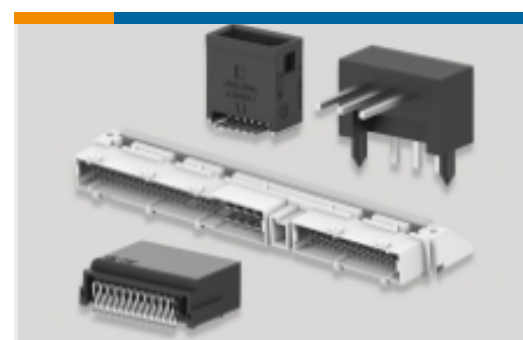


TE Part # 1-1735446-2  
2MM PITCH HPI POST HEADER,  
VERTICAL, 12P

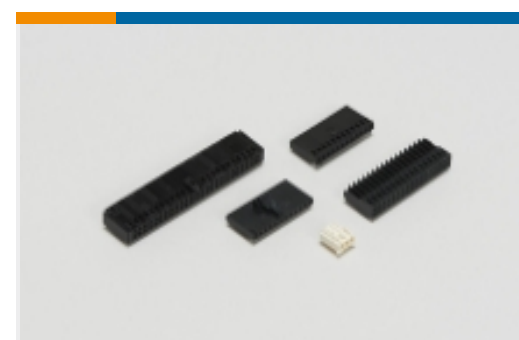
## Also in the Series | HPI



Connector Contacts(1)



PCB Headers & Receptacles(332)



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

## Customers Also Bought



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



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



TE Part #5536412-4  
ASSY,RECEPT,EURO,TYPE C,LEAD-  
FREE,96,.18



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



TE Part #535043-5  
096 EURO TYPE C RECEPT ST ASSY



TE Part #1735801-1  
2.0mm,Crimp>Contact



TE Part #6-1879212-7  
CPF 0402 10R7 0.1% 25PPM 1K RL



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

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## Product Specifications

### Application Specification

English