

PLUG ASS'Y(H) 80P 1.27FHBB

✓ ACTIVE

CHAMP | CHAMP .050 Series I

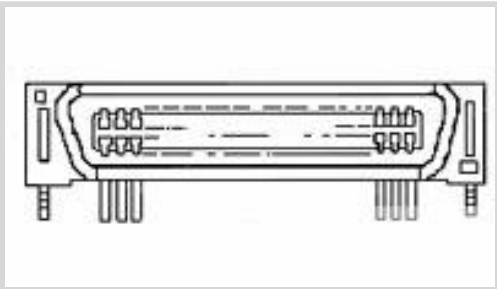
TE Part # 5176381-3

TE Internal #: 5176381-3

[View on TE.com >](#)



Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **80**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

Series	FH (Free Height), Free Height (FH)
PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	1
Stackable	No
PCB Mount Orientation	Right Angle
Number of Positions	80
Board-to-Board Configuration	Right Angle

Electrical Characteristics

Insulation Resistance	1 MΩ
Operating Voltage	250 VAC

Body Features

PCB Retention Feature Material	Brass
PCB Retention Feature Plating Material	Tin

Contact Features

Contact Layout	Inline
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PCB Contact Termination Area Plating Material Thickness	1 µm[39.4 µin]
Mating Post Length	3.64 mm[.143 in]
Contact Shape	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.3 µm[11.9 µin]
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole
Termination Post Length	3.1 mm[.122 in]

Mechanical Attachment

PCB Mount Alignment Type	Post Polarization
PCB Mount Retention Type	Boardlock, Retention Leg
Mating Alignment	With
Mating Alignment Type	Guide Pins
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Nylon - GF

Dimensions

Connector Height	16.2 mm[.637 in]
	.123 in

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards



UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	70
Packaging Method	Tray

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 2019 (197) Candidate List Declared Against: JUN 2018 (191)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

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

PLUG ASS'Y(H) 80P 1.27FHBB

TE Part # 5176381-3
TE Internal #: 5176381-3



TE Part # 5176378-3
REC ASS'Y(V) 80P 1.27
FHBB



TE Part # 5176371-3
AMP FH CONN REC V 80P
(H=11)

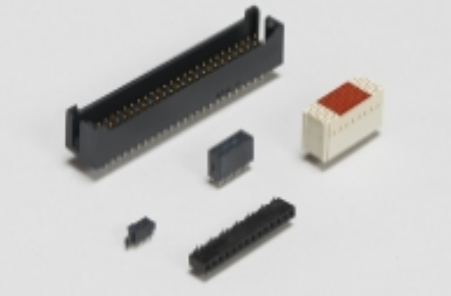


TE Part # 5176379-3
REC ASS'Y(H) 80P 1.27
FHBB



TE Part # 5176376-3
AMP FH CONN REC V 80P
(H=16)

Also in the Series | CHAMP .050 Series I



Board-to-Board Headers &
Receptacles(150)

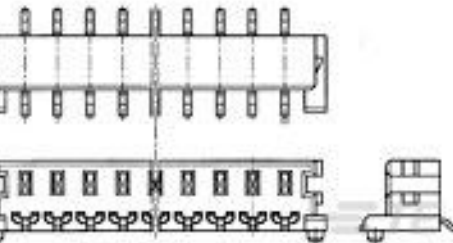


Standard Rectangular
Connectors(1)

Customers Also Bought



TE Part #5176379-3
REC ASS'Y(H) 80P 1.27
FHBB



TE Part #8-917570-7
1.5 WTB HDR ASSY 7P AU-
TYPE



TE Part #2-1445054-5
MICRO MNL HDR ASSY S
/ROW LF



TE Part #1803645-1
ANVIL, COMBINATION



TE Part #2150133-2
OCEAN_2.0_Applicator-E-
140F



TE Part #2150448-1
OC-AT-E-FM-110F110OV-
001-0310



TE Part #2150450-1
OCEAN_2.0_Applicator-E-
070F140OV



TE Part #2280099-2
CRIMPER, WIRE, BLUNT
AMPLIVAR



TE Part #2280628-2
ANVIL, BLUNT



Documents

Product Drawings

PLUG ASS'Y(H) 80P 1.27FHBB

English

CAD Files

Customer View Model

ENG_CVM_CVM_5176381-3_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5176381-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5176381-3_A.3d_stp.zip

English

Product Specifications

Product Specification

English