1-1734101-4 ✔ ACTIVE

CHAMP | CHAMP .050 Series I

TE Internal #: 1-1734101-4

PCB Mount Receptacle, Vertical, Board-to-Board, 160 Position, 1.27 mm [.05 in] Centerline, Gold Flash, Through Hole - Solder, CHAMP .050 Series I

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **160**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Stackable	No
Number of Positions	160
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	4 MΩ
Dielectric Withstanding Voltage (Max)	750 VAC

Body Features

PCB Retention Feature Material	Brass
PCB Retention Feature Plating Material	Tin-Copper over Nickel
Connector Profile	Standard

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.75 mm[.03 in]
PCB Contact Termination Area Plating Material Thickness	.381 µm[149.6 µin]
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.3 mm[.012 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold Flash
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Boardlock, Retention Leg
PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Matte

Dimensions

Connector Height	10 mm[.393 in]
PCB Thickness (Recommended)	.8 – 1.6 mm[.76 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	16
Packaging Method	Reel

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

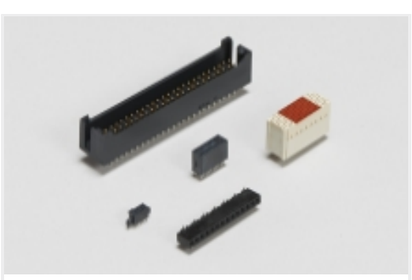
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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

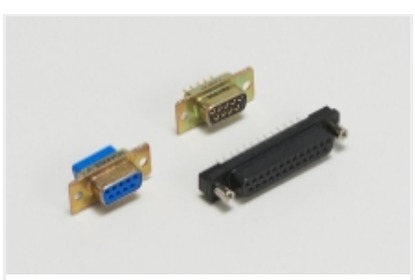


TE Part # 1-1734100-6
Champ050 series,160pos,Au over PdNi

Also in the Series | CHAMP .050 Series I



Board-to-Board Headers & Receptacles(127)



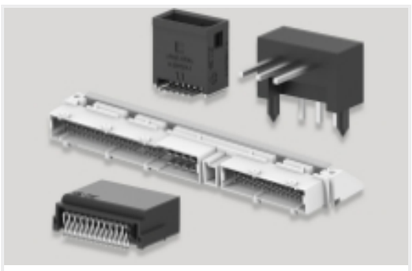
D-Shaped Connectors(7)



IDC D-Sub Connectors(6)

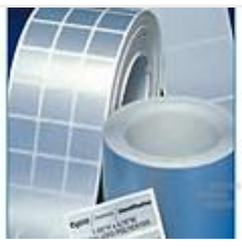


PCB D-Sub Connectors(1)



PCB Headers & Receptacles(127)

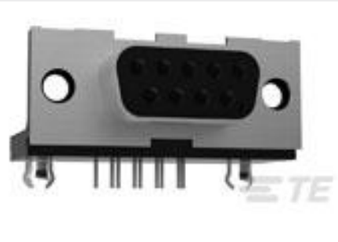
Customers Also Bought



TE Part #A97023-000
WP-165102-10-9



TE Part #7574444009
RAYRIM-NR8-0-SP



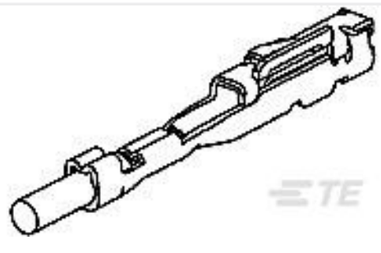
TE Part #3-106505-2
9P.HDP20 REC.ASSY.



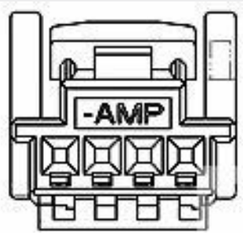
TE Part #640250-2
02P SL156 HSG W/LCK RAMP NATL



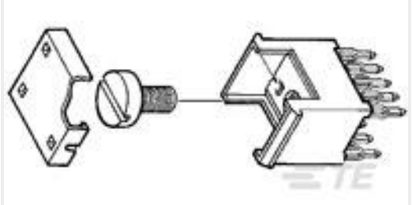
TE Part #3-641208-5
05P MTA156 HDR ASSY FL ST LF



TE Part #1123343-1
025 REC CONTACT



TE Part #1473672-1
025 PLUG ASSY



TE Part #5055557-4
10 POWER TAP ASSY .100



TE Part #5520251-4
MJ,R/A,8P,PNL STOPS



TE Part #5520259-4
MJ,TE,8P,TRAYS

Documents

Product Drawings

Champ050 series,160pos,30u"Au

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1734101-4_E1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1734101-4_E1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1734101-4_E1.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

CHAMP .050 High Density Connector

English

Application Specification

English