1-1734100-2 ✔ ACTIVE

CHAMP | CHAMP .050 Series I

TE Internal #: 1-1734100-2

PCB Mount Header, Vertical, Board-to-Board, 120 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold Flash, CHAMP .050 Series I

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **120**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Stackable	No
Number of Positions	120
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	3.81 µm[150 µin]
Contact Shape & Form	Square
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	Pin
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	Guide Post
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

PCB Thickness (Recommended)	.8 – 1.6 mm[.76 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	54
Packaging Method	Package

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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

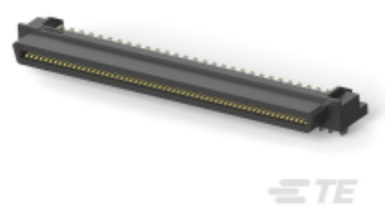
Product Compliance Disclaimer

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 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

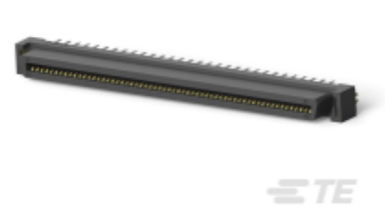
Compatible Parts



TE Part # 1-1734101-3
Champ050 series,120pos,Au over PdNi

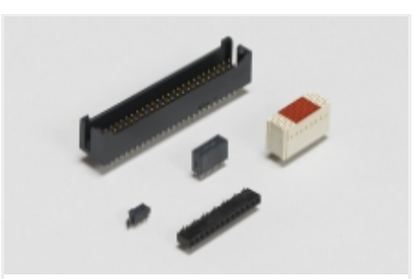


TE Part # 1-1734037-2
Champ 050 series 120pos,Au over PdNi

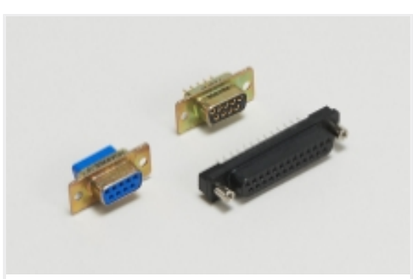


TE Part # 1-1734101-2
Champ050 series,120pos,Au over PdNi

Also in the Series | CHAMP .050 Series I



Board-to-Board Headers & Receptacles(127)



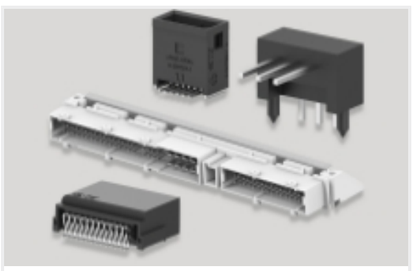
D-Shaped Connectors(7)



IDC D-Sub Connectors(6)



PCB D-Sub Connectors(1)



PCB Headers & Receptacles(127)

Customers Also Bought



TE Part #165143
PG WIRE PIN 22-16



TE Part #1622602-1
LR1L 5% R33



TE Part #1622603-1
LR1L 5% R47



TE Part #1622604-1
LR1L 5% R56

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1734100-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1734100-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1734100-2_E.3d_stp.zip

English

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