788389-2 ✔ ACTIVE

CHAMP | CHAMP .050 Blindmate

TE Internal #: 788389-2

PCB Mount Receptacle, Vertical, Board-to-Board, 40 Position, 1.27 mm [.05 in] Centerline, Gold (Au), Through Hole - Press-Fit, CHAMP .050 Blindmate

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **40**

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	40
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	2 MΩ

Body Features

PCB Retention Feature Material	Brass

PCB Retention Feature Plating Material	Tin over Nickel
Connector Profile	High

Contact Features

PCB Contact Termination Area Plating Material Thickness	1.27 – 2.03 µm
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	3.35 A

Termination Features

Rectangular Termination Post & Tail Width	.97 mm[.038 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention Type	Boardlock, Retention Leg
PCB Mount Alignment Type	Positioning Bosses
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Height	17.5 mm[.68 in]
	.76 in

Usage Conditions

Housing Temperature Rating	High
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	50
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: 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	Pin-in-Paste capable to 260°C

Product Compliance Disclaimer

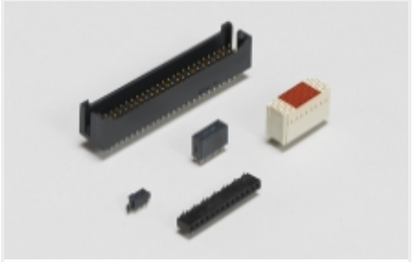
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

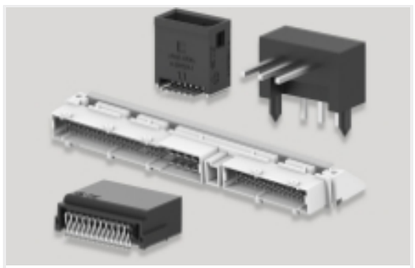


TE Part # 787317-4
40 BMATE RCPT ASSY, PB FREE

Also in the Series | CHAMP .050 Blindmate



Board-to-Board Headers & Receptacles(5)



PCB Headers & Receptacles(5)

Customers Also Bought



TE Part #1888247-1
20 POS SMT CONN, SFP/SFP+, 30A



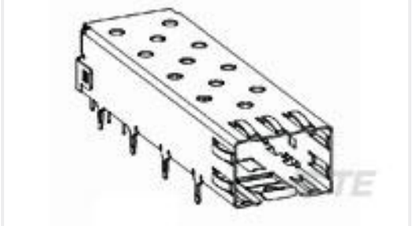
TE Part #1888617-1
Cage Assy, QSFP, Through Bezel



TE Part #2057417-1
IMP100S,R,RA4P8C,UG,39



TE Part #2057630-1
CFP Receptacle Conn Assy



TE Part #2227303-2
CAGE ASSEMBLY, SFP, .071 TAIL



TE Part #5223961-1
TE UPM R/A Header 3P STD Power, LLL

TE Part #1645606-1
Z-PACK/C RAF 55P

Documents

Product Drawings

40 CHAMP BLDMT EXT/HT RCT LD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_788389-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_788389-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_788389-2_D.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

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English