



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

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

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	Yes
PCB Mount Orientation	Vertical
Number of Positions	40

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	1 MΩ

Contact Features

Contact Mating Area Plating Material Thickness	.3 μm[11.9 μin]
Mating Tab Width	.85 mm[.033 in]
PCB Contact Termination Area Plating Material Thickness	1 μm[39.4 μin]
Contact Shape & Form	Square
Contact Layout	Inline



Contact Mating Area Length	3.6 mm[.141 in]
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.32 mm[.013 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
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	3.1 mm[.122 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Post Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

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

Dimensions

Stack Height	14 mm[.551 in]
	.3 in
Connector Height	11.5 mm[.452 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	130
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 2025 (247) Candidate List Declared Against: JUNE 2023 (235) 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

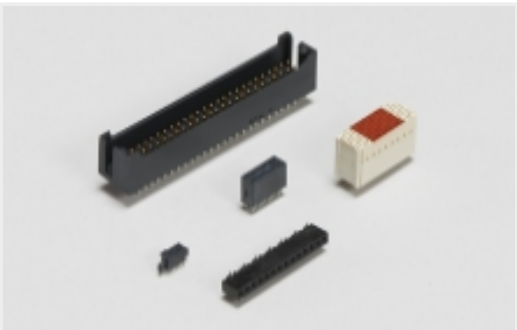
Product Compliance Disclaimer

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>

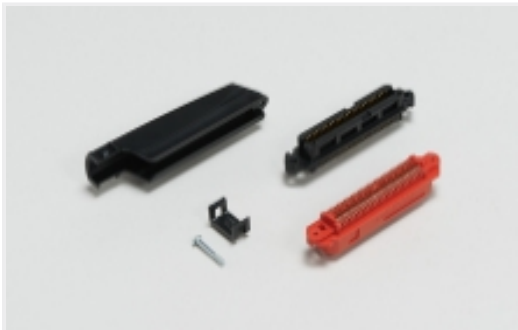
Compatible Parts



Also in the Series | [CHAMP .050 Series I](#)



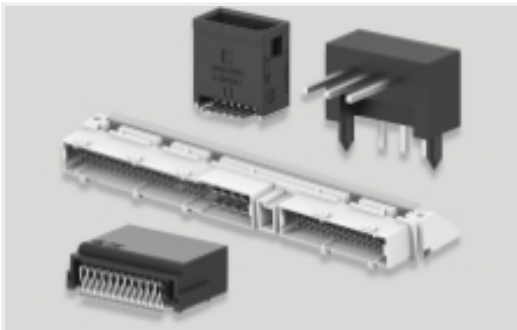
Board-to-Board Headers & Receptacles(133)



IDC D-Sub Connectors(6)



PCB D-Sub Connectors(1)



PCB Headers & Receptacles(133)

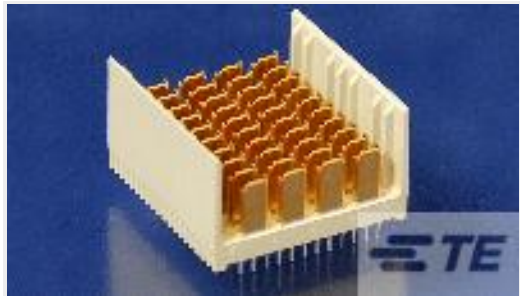
Customers Also Bought



TE Part #001-0012
ANTENNA,2.4/5.5 GHz Dipole,IP67



TE Part #6469001-1
HM-ZD 4PR RECP 80P



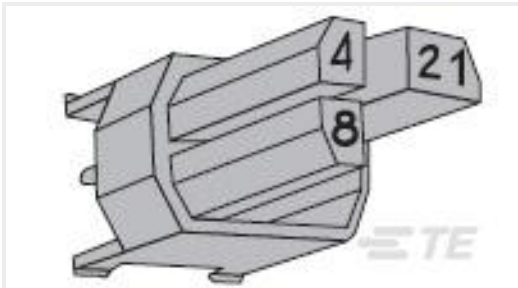
TE Part #6469002-1
HM-ZD 4PR HDR 80P 5.2MM



TE Part #CAT-D9934-A75E
Header Assembly: Wire-to-Board, 15A, gold or tin plated



TE Part #1-480701-0
03P UMNL CAP HSG NATL



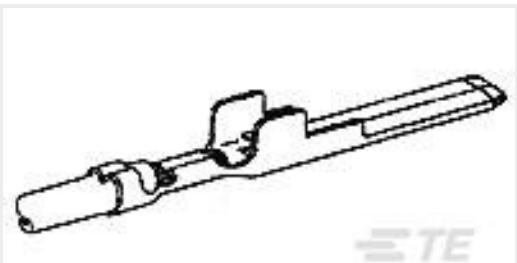
TE Part #3-100525-5
Z-PACK M.CODING KEY



TE Part #172037-1
MIC CAP 5P V



TE Part #171354-1
17 CIR MIC PLUG HSG



TE Part #170222-4
MIC TAB

Documents

Product Drawings

AMP FH CONN REC V 40P (H=14)

English

CAD Files

Customer View Model

ENG_CVM_CVM_5176374-1_O.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_5176374-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5176374-1_O.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Instruction Sheets

AMP FH Board-to-Board Connectors

English

[Instruction Sheet \(non U.S.\)](#)

English