



Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **4**

Number of Rows: **1**

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

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Cable-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Columns	4
Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
Number of Positions	4
Number of Rows	1
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Black
-----------------------	-------



Contact Features

PCB Contact Termination Area Plating Material Thickness	4 – 6 µm[157.48 – 236.22 µin]
Contact Layout	Inline
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	9 A

Termination Features

Termination Method to PCB	Surface Mount
---------------------------	---------------

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization Groove
Mating Retention	With
Mating Retention Type	Locking
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

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

Usage Conditions

Operating Temperature (Max)	150 °C[302 °F]
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Tape & 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 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

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 # 504898-E
MCBA 4 F * 035 137 * 197 1,27 TRAY
VR2 J

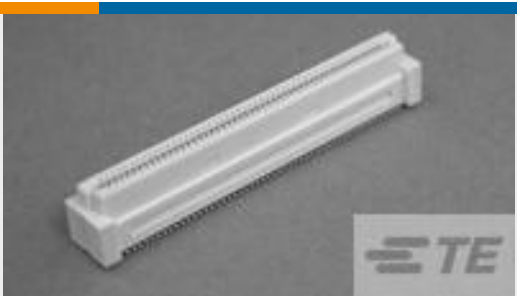


TE Part # 524421-E
MCBP 4 F 2 035 137 * 197 1,27 TRAY
VR2 J



TE Part # 544611-E
MCBP 4 F 2 022 137 * 197 1,27 TRAY
VR2 J

Customers Also Bought



TE Part #7-5179180-1
0.8FH,R09H.5,040,30/Sn,TR,SC



TE Part #D561523001
RAY-101-4.0(100)



TE Part #4160924003
HFT5000-12/6-0-SP



TE Part #NB13982001
TAT-125-1/8-0-STK



TE Part #504255-E
MCBA 4 M * SMD 137 * 176 * GURT * J 2 50



TE Part #524421-E
MCBP 4 F 2 035 137 * 197 1,27 TRAY VR2 J

Documents

Product Drawings

MCBP 4 M * SMD 137 * 197 * GU-H C2 J 2 5

German

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_515949-E_C.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_515949-E_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_515949-E_C.3d_igs.zip

English

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

Datasheets & Catalog Pages

Datasheet - ERNI MicroBridge Automotive Applications

English

Product Specifications

108-161172 MicroBridge IDC SMT

English