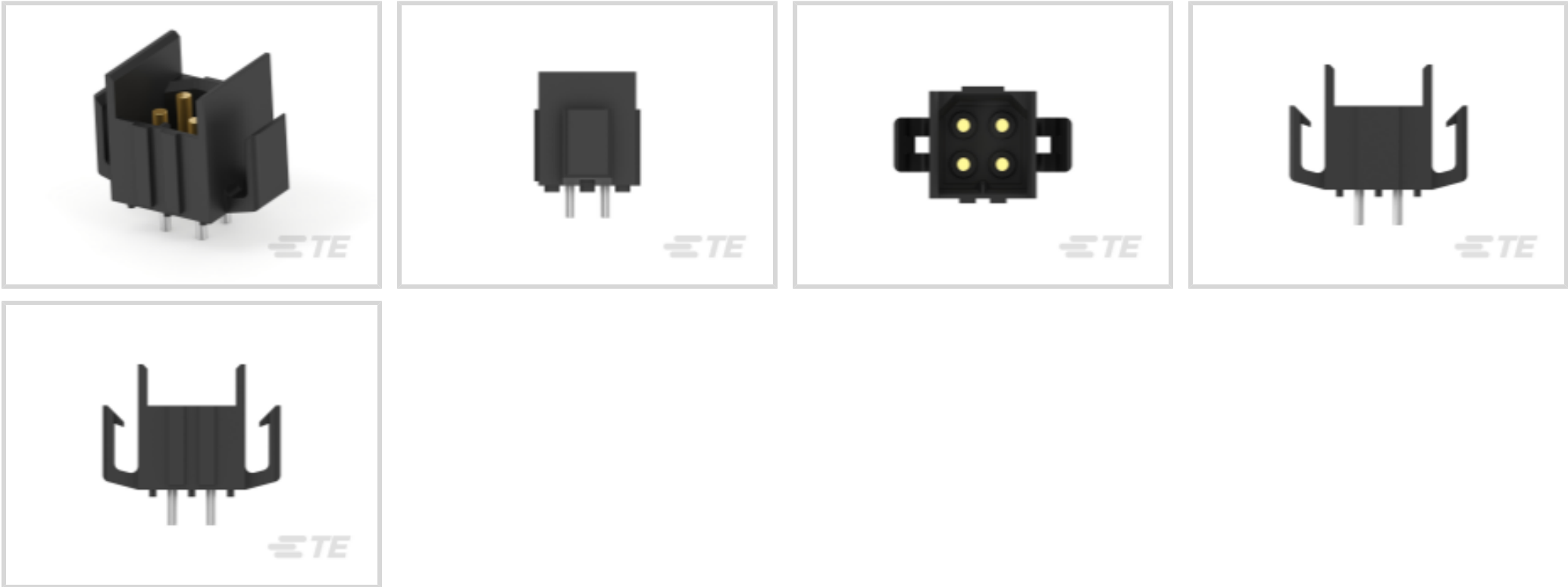




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Number of Columns	2
Number of Loaded Positions	4
Number of Signal Positions	4
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	2



Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 µm[150 µin]
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	6 A

Termination Features

Termination Post & Tail Length	3.81 mm[.15 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Positive Lock
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	PA 66
Centerline (Pitch)	4.2 mm[.165 in]

Dimensions

Row-to-Row Spacing	4.19 mm[.165 in]
Connector Width	11.56 mm[.455 in]



PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	13.46 mm[.53 in]
Connector Length	11.56 mm[.455 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

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 2024 (241) 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 # 1-640519-0
04P MR II PLUG HSG

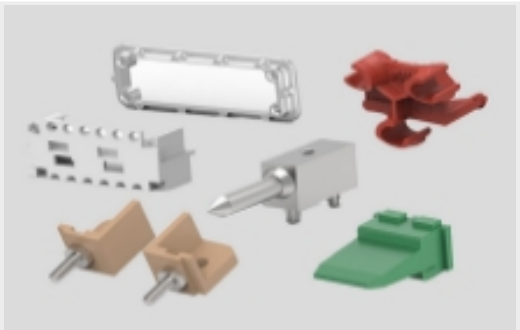
Also in the Series | AMP Miniature Rectangular MR



Connector Caps & Covers(15)



Connector Contacts(20)



Connector Hardware(2)



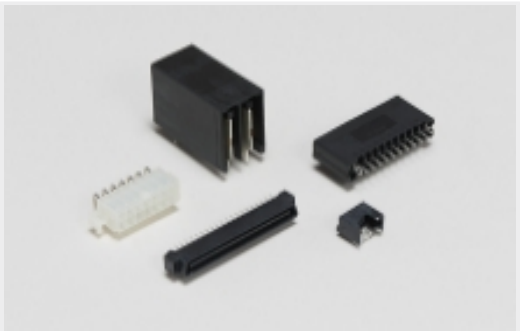
Power Contacts(20)



Rectangular Connector Housings(20)

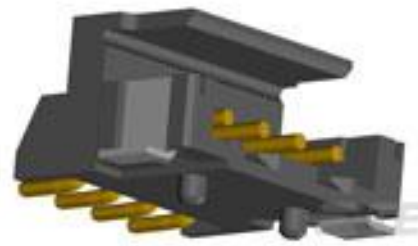


Rectangular Power Connectors(77)



Standard Rectangular Connectors(20)

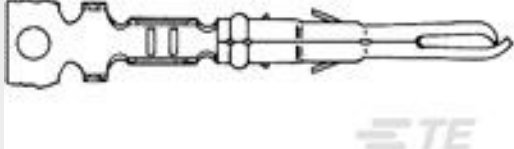
Customers Also Bought



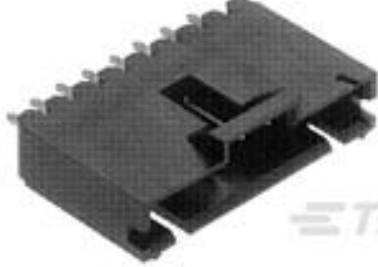
TE Part #292173-8
CT BOX HDR H SMT 8P O/TAPE BLA



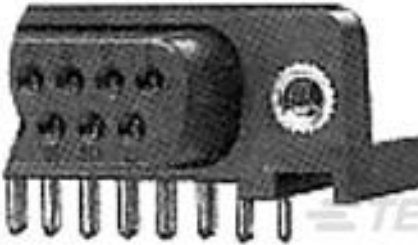
TE Part #3-794682-2
02P MICRO MNL ASSY,VRT,THRU,LF



TE Part #350036-1
.058 DIA PIN L/P



TE Part #5-103908-5
06 MTE HDR SRST LATCH W/HLDWN



TE Part #5788798-1
15 HTMSFL ASSY RA 318 (IN,BL)



TE Part #32561
PIDG SPDFLG 22-16COMM22-18MIL6



TE Part #1-770967-0
03P MINI UMNL R/A HDR ASSY SN



TE Part #5745183-3
09 RCPT SP/MS STD



TE Part #643230-1
04P UMNL HDR ASSY R/A 94VO



TE Part #5747841-3
15 MSFL PLUG RA 318 (IN,FM,BL)

Documents

CAD Files

Customer View Model

[ENG_CVM_2-640499-2_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2-640499-2_P.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_2-640499-2_P.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-640499-2_Y.2d_dxf.zip](#)

English

Customer View Model



[ENG_CVM_CVM_2-640499-2_Y.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-640499-2_Y.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[AMP Miniature Rectangular \(MR\) Headers](#)

English

English

Agency Approvals

[CSA Certificate](#)

English