

MICRO TCA

TE Internal #: 1469920-2
PCB Mount Header, Vertical, Cable-to-Board, 96 Position, 2 mm / 3 mm [.079 in / .118 in] Centerline, Fully Shrouded, Gold (Au)

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Cable-to-Board**
Number of Positions: **96**
Number of Rows: **2, 8**

Features

Product Type Features

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

Configuration Features

Mating & Unmating Configuration	Normal
Number of Signal Positions	72
Number of Power Positions	24
PCB Mount Orientation	Vertical
Number of Positions	96
Number of Rows	2, 8

Electrical Characteristics

Operating Voltage	12 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

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Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 µm[19.68 – 49.21 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin, Receptacle
Contact Current Rating (Max)	14.5 A

Termination Features

Termination Post & Tail Length	3.7 mm[.145 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Alignment Type	Guide Hole
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2 mm, 3 mm [.079 in][.118 in]

Dimensions

Row-to-Row Spacing	2 mm, 11.5 mm [.078 in][.452 in]
Connector Width	25.87 mm[1.02 in]
PCB Thickness (Recommended)	2.4 mm [.094 in]
Connector Height	17 mm [.67 in]
Connector Length	63.1 mm[2.48 in]

Usage Conditions

Operating Temperature (Max)	70 °C[158 °F]
Operating Temperature Range	-10 – 70 °C[14 – 158 °F]

Operation/Application

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Circuit Application	Power & Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	8
Packaging Method	Tube

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: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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 # 1469920-3
[Housing Assy, Micro Power Backplane](#)

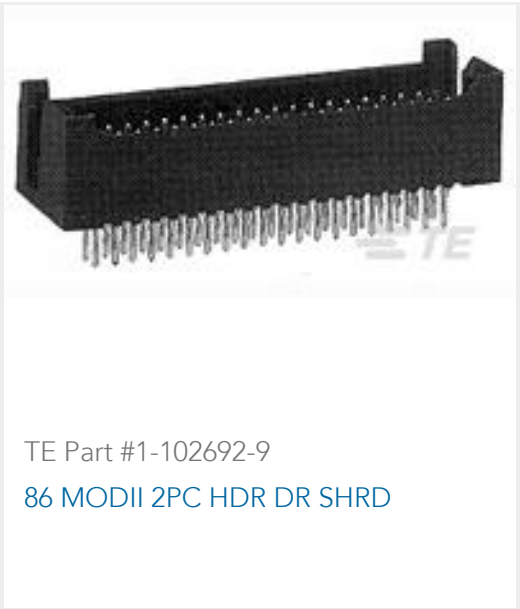
Customers Also Bought



TE Part #3-646513-0
[2MM HM,ASY,T-F,PIN,110 POS](#)



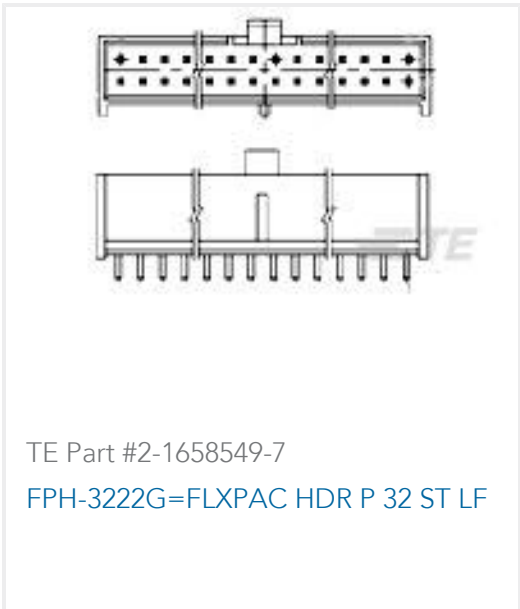
TE Part #1410955-2
[MULTIGIG RT GUIDE PIN PLATED](#)



TE Part #1-102692-9
[86 MODII 2PC HDR DR SHRD](#)



TE Part #1-532955-5
[96 MODII 2PC CE RCPT ASSY](#)



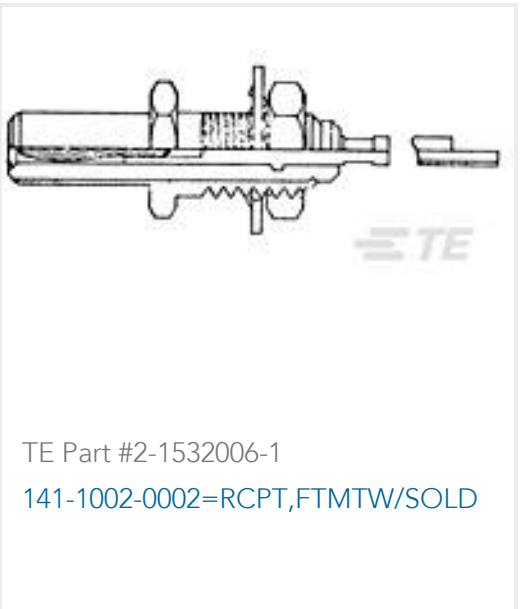
TE Part #2-1658549-7
[FPH-3222G=FLXPAC HDR P 32 ST LF](#)



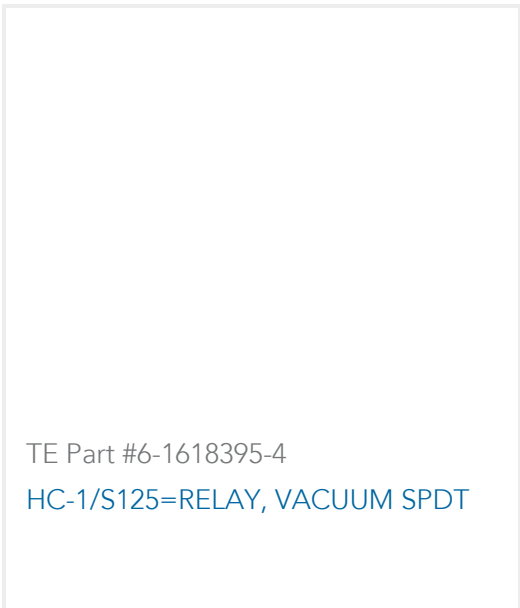
TE Part #1-1761685-3
[IDC LOW PRO HDR 40P VERT SHT LAT](#)



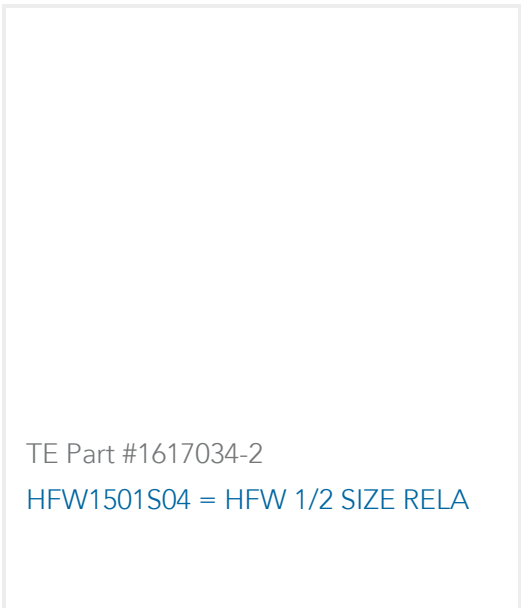
TE Part #2-532956-3
[200 MODII 2PC CE RCPT ASSY](#)



TE Part #2-1532006-1
[141-1002-0002=RCPT,FTMTW/SOLD](#)



TE Part #6-1618395-4
[HC-1/S125=RELAY, VACUUM SPDT](#)



TE Part #1617034-2
[HFW1501S04 = HFW 1/2 SIZE RELA](#)

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1469920-2_8.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1469920-2_8.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1469920-2_8.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD](#)

English

[Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8](#)

English

Product Specifications

[Application Specification](#)

English