



TE Internal #: 5223955-2
PCB Mount Receptacle, Vertical, Board-to-Board, 3 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Gold, Through Hole - Press-Fit, Power, Gray
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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **3**
Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	250 VDC
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Dimensions

Connector Width	11.35 mm[.447 in]
PCB Thickness (Recommended)	1.8 mm[.07 in]
Connector Height	12.15 mm[.478 in]
Connector Length	9.5 mm[.374 in]

Packaging Features

Packaging Quantity	60
Packaging Method	Tube

Industry Standards

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

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention	Without



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

Termination Features

Termination Post & Tail Length	4.15 mm[.163 in]
Termination Method to PCB	Through Hole - Press-Fit

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 µm[19.68 – 49.21 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Receptacle
Contact Current Rating (Max)	10 A

Housing Features

Mating Entry Location	Top
Housing Material	Polyester
Centerline (Pitch)	3 mm[.118 in]

Configuration Features

Number of Columns	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel, Perpendicular
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1



Product Type Features

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

Body Features

Primary Product Color	Gray
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 5-1645618-1
UPM R/A Header 3P HC Power Conn.
LLL

TE Part # 5223974-1
UNV,PWR,MDL,ASY,HDR,LEV 2

TE Part # 5223961-8
UNV,PWR,MDL,HDR,R-PEGS

TE Part # 5223991-1
UNIV. POWER MODULE R/A HEADER

TE Part # 5223965-1
UNV PWR MDL ASY HDR SEQ

TE Part # 5223962-1
UNV PWR MDL ASY HDR SEQ

TE Part # 5223964-6
UNV,PWR,MDL,HDR,SEQ

TE Part # 5223971-1
UNIV. POWER MOD. RT.ANG HEADER

TE Part # 5223987-1
UNV,PWR,MDL,RA,HDR

TE Part # 5223976-1
UNIV. POWER MODULE R/A HEADER

TE Part # 5223993-1
UNV,PWR,MDL,ASY,R/A,HDR

TE Part # 5120938-1
UPM R/A Header STD 3P Conn,
Sequence SLL

TE Part # 5223968-1
TE UPM R/A Header 3P STD Power,
LMM

TE Part # 5223977-1
UNIV. POWER MODULE R/A HEADER

TE Part # 5223972-1
UNIV. POWER MODULE R/A HEADER

TE Part # 5223975-1
UNIV POWER MOD R/A HEADER



TE Part # 5223964-1
[UNV,PWR,MDL,HDR,SEQ](#)

TE Part # 5223981-1
[UNIV POWER MODULE R/A HEADER](#)

TE Part # 5120912-1
[UPM MALE ASSEMBLY, SEQUENCED](#)

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

Customers Also Bought

TE Part #788389-2
[40 CHAMP BLDMT EXT/HT RCT LD FREE](#)

TE Part #2416293-1
[Z-PACK/M M-HDR 77P](#)

TE Part #6469074-1
[HM-ZD 4PR HDR ASSY 1.8MM](#)

TE Part #173924-1
[2 P ACTION PIN UMNL](#)

TE Part #91348-1
[SEATING TOOL, HMZD HDR, 2 PAIR](#)

TE Part #102917-2
[MOD IV RECP LP](#)

TE Part #6469085-1
[HMZD 3PAIR, HDR ASSY, 25MM MOD](#)

TE Part #6469076-1
[HM-ZD 2PR HDR ASSY 1.8MM](#)

TE Part #5646734-1
[Z-PACK 2MM HM TYPE A/B 127P](#)

TE Part #923767-E
[ERMB 150 MI 1 L1 * 3,50 A-F V-V 9999 * 2](#)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5223955-2_A2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5223955-2_A2.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_5223955-2_A2.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[High Speed Backplane Connectors catalog - Z-PACK HS3 Connector](#)

English

[POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD](#)

English

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English