

5-5223955-2 ✓ ACTIVE

Z-PACK 2mm HM

TE Internal #: 5-5223955-2

PCB Mount Receptacle, Vertical, Board-to-Board, 3 Position, 3 mm [118 in] Centerline, Fully Shrouded, Gold (Au), Z-PACK 2mm HM

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-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	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

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Gray
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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	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	16 A

Termination Features

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

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

Housing Features

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

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]
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Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	60
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	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>

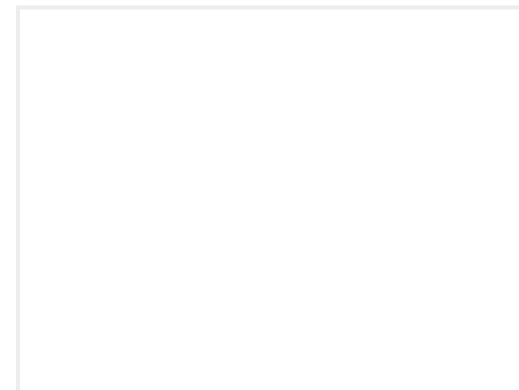
Compatible Parts



TE Part # 5-5223974-1
UPM PIN ASSY, HI CURRENT



TE Part # 1892711-2
Assy 2x3 MINIPAK HDE seq1



TE Part # 5646956-7
UPM EXPANDED PIN ASSY



TE Part # 1926731-2
ASSY 15S4P MINIPAK HDL




TE Part # 5-5223968-1
TE UPM R/A Header 3P HC Power,
LMM



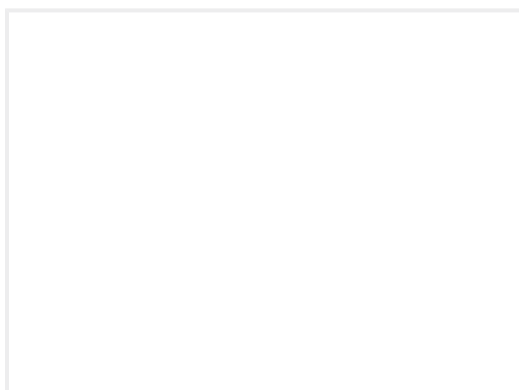
TE Part # 1892711-3
Assy 2x3 MINIPAK HDE seq1



TE Part # 1892731-2
Assy 2x6 MINIPAK HDE seq2



TE Part # 5-5223963-4
UPM R/A Header 3P HC Power Conn.
MLM



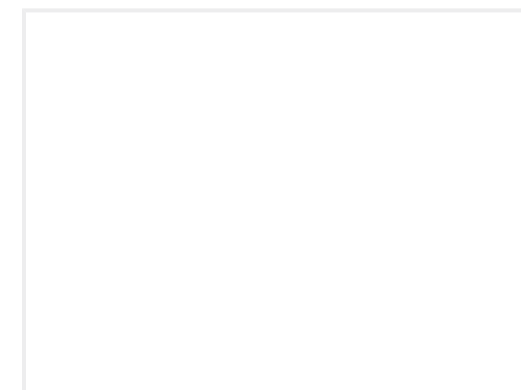
TE Part # 5-1645620-1
UPM RECPT, HI CURRENT



TE Part # 5-5223955-5
UPM VER REC POWER, HI CURRENT



TE Part # 5-5223963-1
UPM R/A Header 3P HC Power Conn,
MLM



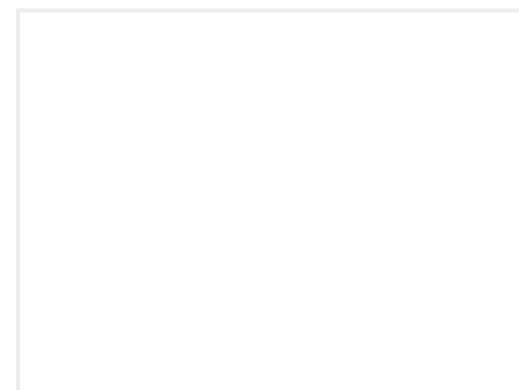
TE Part # 5646955-7
UPM R/A HEADER 5P POWER
CONNECTOR



TE Part # 5-5223955-4
UPM VERTICAL REC 3P CONN, HI
CURRENT



TE Part # 1645498-1
UNV,PWR,MDL.3 POS. VERT.HDR,
15MM STACK



TE Part # 1645636-1
UPM EXPANDED RCPT ASSEMBLY,
SELECT LOAD



TE Part # 5120950-2
UPM RCPT ASSY W/EON

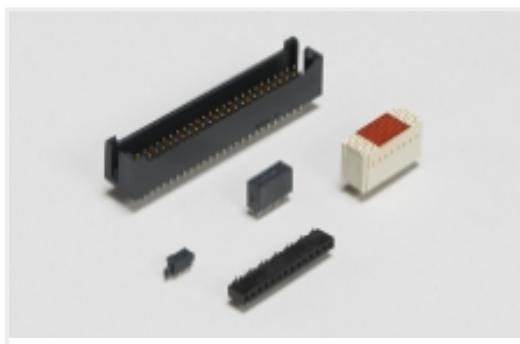


TE Part # 1892711-1
Assy 2x3 MINIPAK HDE seq1



TE Part # 5-5223961-1
TE UPM R/A Header 3P HC Power, LLL

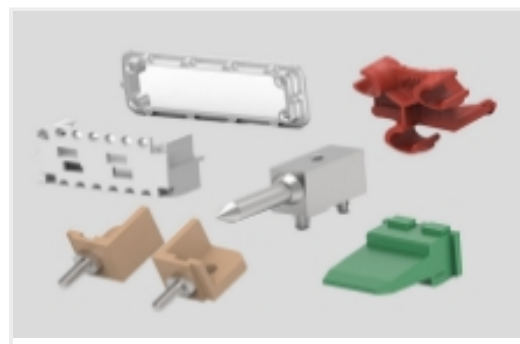
Also in the Series | **Z-PACK 2mm HM**



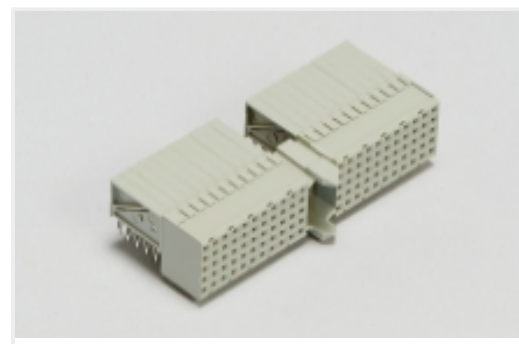
Board-to-Board Headers & Receptacles(46)



Connector Contacts(2)



Connector Hardware(91)



Hard Metric Backplane Connectors (266)



Power Contacts(2)



Rectangular Power Connectors(46)

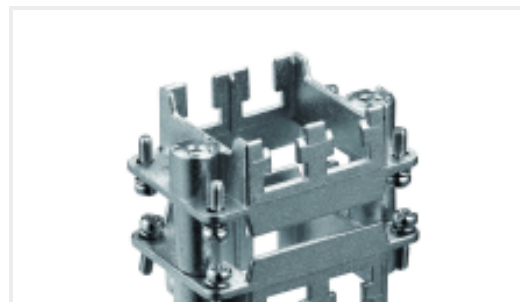
Customers Also Bought



TE Part #5223985-1
UPM KEYED GUIDE PIN



TE Part #T2070002033-000
CAF-33



TE Part #T2070064201-000
H6BN-T2-F



TE Part #CAT-H3399-H648
HDC HMN Modular System, Rail Compliant



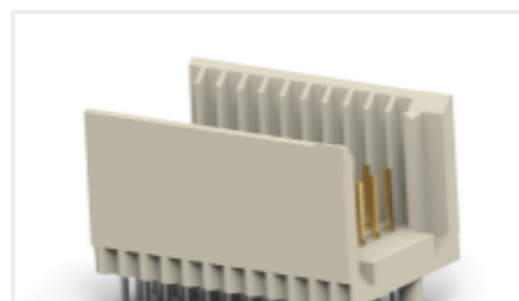
TE Part #T1010062100-000
H6B-KDBP



TE Part #5223955-2
TE UPM Ver Receptacle 3P STD Power



TE Part #100751-1
Z-PACK/N M-HSG 3P.



TE Part #CAT-472-Z12
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_5-5223955-2_A2.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5-5223955-2_A2.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_5-5223955-2_A2.3d_stp.zip](#)

English

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

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

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English