

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

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **3 mm [.118 in]**

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

#### 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 $\mu\text{m}$ [50 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 $\mu\text{m}$ [19.68 – 49.21 $\mu\text{in}$ ]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	16 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]

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

### Housing Features

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

### Dimensions

Connector Width	11.35 mm[.447 in]
Connector Height	12.15 mm[.478 in]
Connector Length	9.5 mm[.374 in]



PCB Thickness (Recommended)	1.8 mm[.07 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

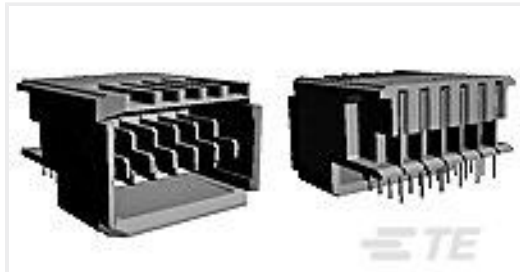
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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



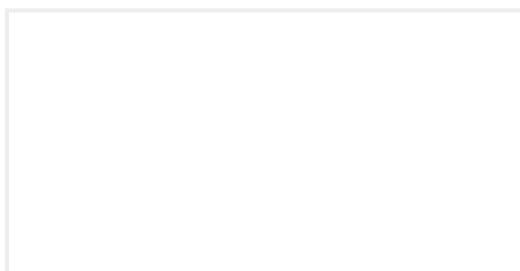
TE Part # 1892711-2  
Assy 2x3 MINIPAK HDE seq1



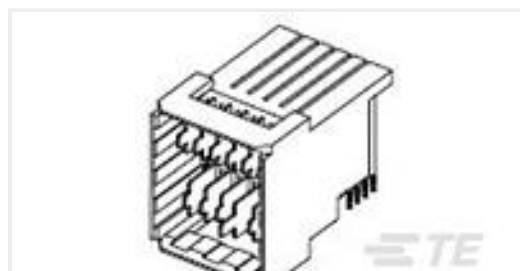
TE Part # 5-5223968-1  
TE UPM R/A Header 3P HC Power, LMM



TE Part # 1926731-2  
ASSY 15S4P MINIPAK HDL



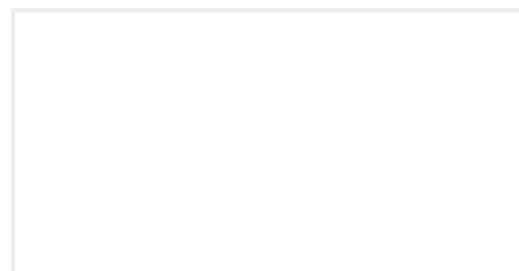
TE Part # 5646956-7  
UPM EXPANDED PIN ASSY



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



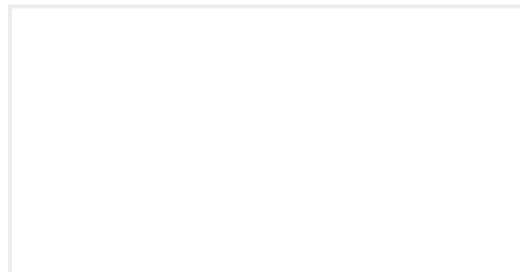
TE Part # 1892711-3  
Assy 2x3 MINIPAK HDE seq1



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



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



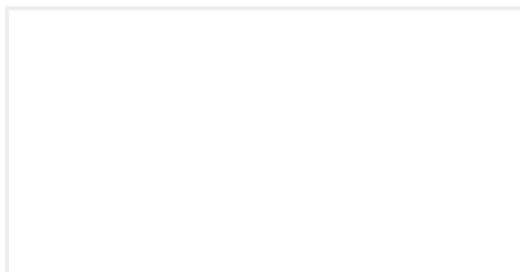
TE Part # 1645636-1  
UPM EXPANDED RCPT ASSEMBLY, SELECT LOAD



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



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 # 5120950-2  
UPM RCPT ASSY W/EON

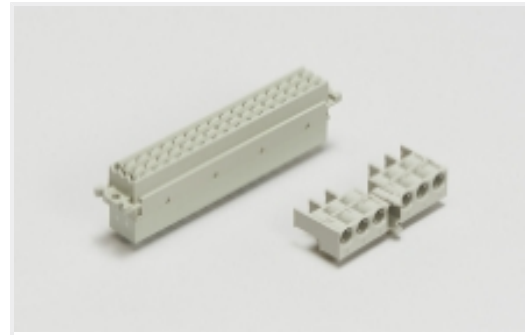


TE Part # 1892711-1  
Assy 2x3 MINIPAK HDE seq1

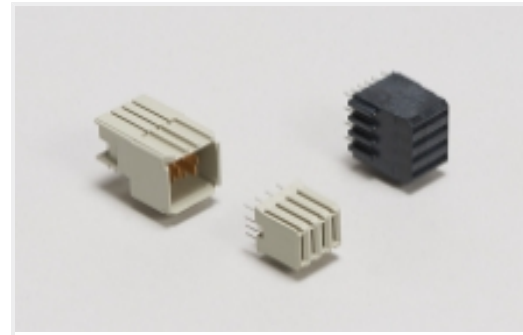


TE Part # 5-5223961-1  
TE UPM R/A Header 3P HC Power, LLL

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



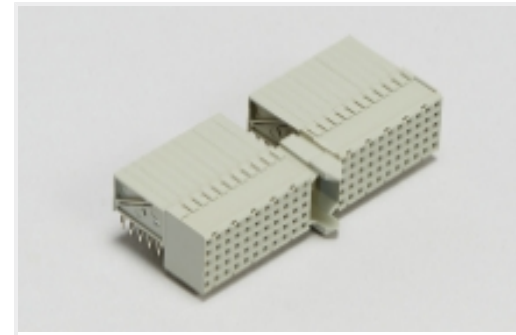
Backplane Connector Housings(4)



Backplane Power Connectors(1)



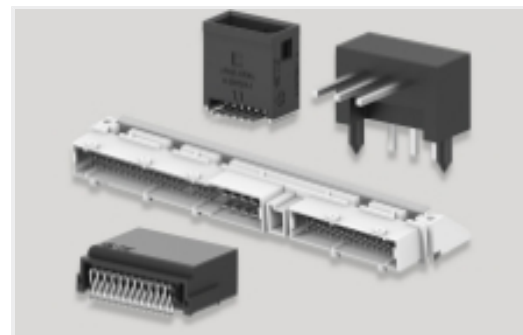
Connector Caps & Covers(61)



Hard Metric Backplane Connectors (273)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(46)



Power Contacts(1)



Rectangular Power Connectors(46)

## Customers Also Bought



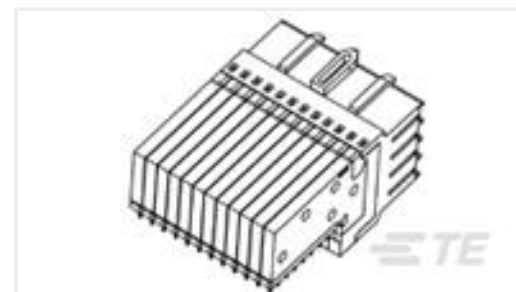
TE Part #120953-5  
UPM EXPANDED RCPT ASSEMBLY



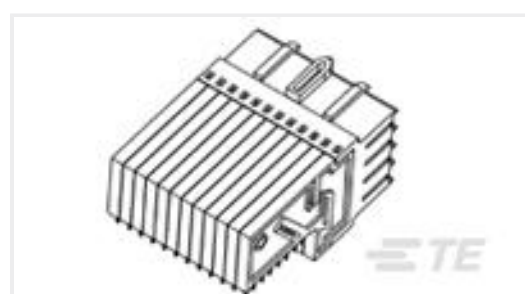
TE Part #1551012-1  
Vert.Male, Telcordia L3



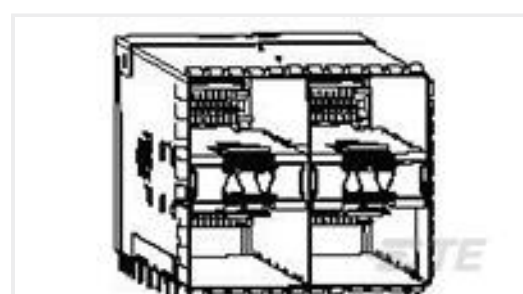
TE Part #1551099-1  
Vert.Male, Telcordia Pre-post 1x



TE Part #1857657-1  
Female Connector



TE Part #1982738-1  
Female Connector Telcordia



TE Part #2198325-7  
zSFP+ STACKED 2X2 RECEPTACLE ASSEMBLY



TE Part #2329186-1  
HM-EZD+,2PAIRS,10COLS,VERTICAL, ASSEMBLY



TE Part #5106303-1  
Z-PACK/C M-HDR 55P.



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



TE Part #5223985-1  
UPM KEYED GUIDE PIN



## 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

### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

### Agency Approvals

[UL Report](#)

English