

Z-PACK 2mm HM

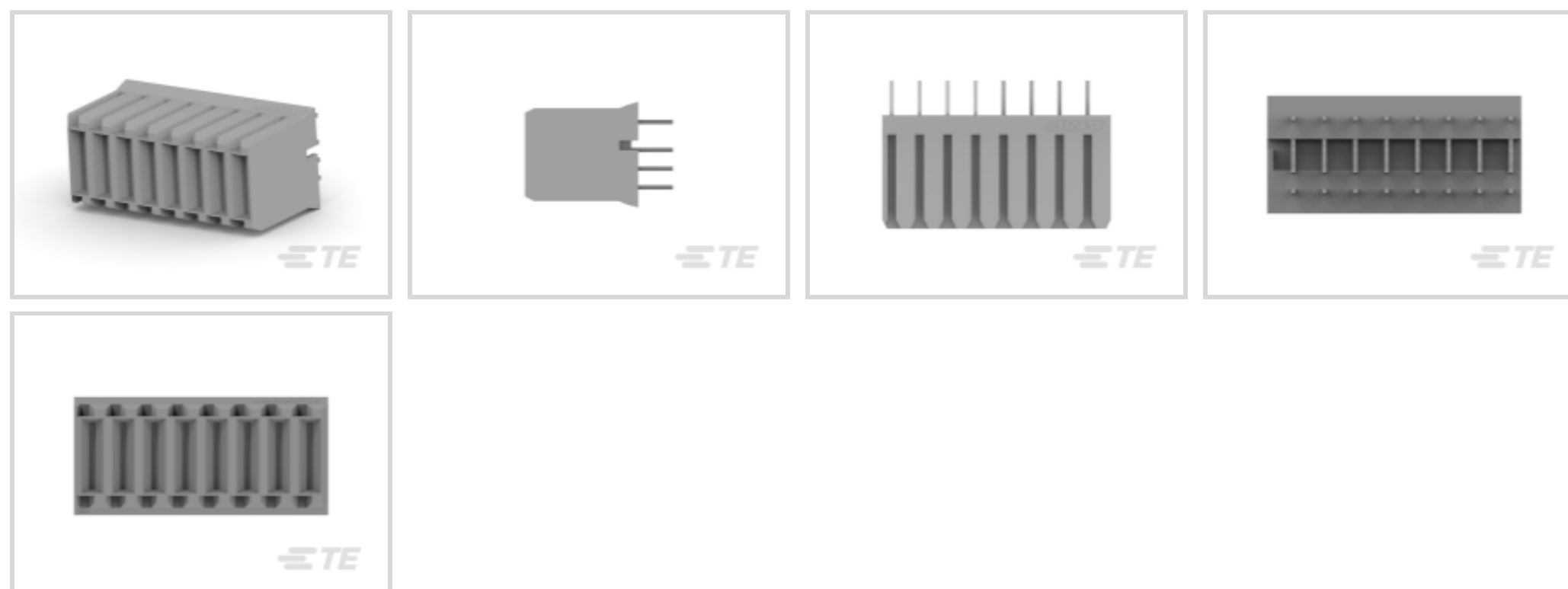
TE Part # 120953-5

TE Internal #: 120953-5

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Connector Assembly**

Housing Type: **Receptacle**

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

Number of Positions: **8**

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

## Features

### Product Type Features

Product Type	Connector Assembly
Housing Type	Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Socket

### Configuration Features

Number of Positions	8
Interface Type	2mm HM
PCB Mount Orientation	Vertical
Number of Power Positions	8
Number of Signal Positions	0
Number of Rows	1
Board-to-Board Configuration	Vertical

### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

Contact Base Material	High Current Copper Alloy
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Contact Current Rating (Max)	16 A
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Contact Retention	With
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Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Noble Metal
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Contact Mating Area Plating Thickness	.5 – 1.25 $\mu\text{m}$ [19.68 – 49.21 $\mu\text{in}$ ]
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### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	3 mm[.118 in]
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UL Flammability Rating	UL 94V-0
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Housing Color	Gray
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Housing Material	Polyester GF
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### Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Agency/Standard Number	E28476
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### Packaging Features

Packaging Method	Box
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2019  
(197)

Candidate List Declared Against: JUN 2018  
(191)

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not applicable for solder process capability

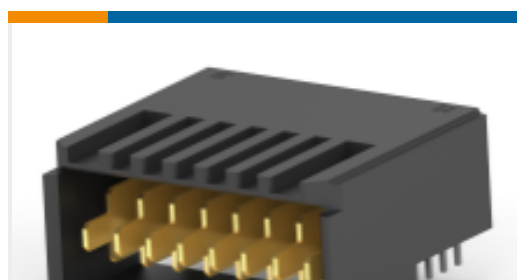
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



TE Part # 120958-1  
UPM EXPANDED PIN  
ASSEMBLY



TE Part # 120958-2  
UPM EXPANDED PIN  
ASSEMBLY

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



Backplane Coding Keys(60)



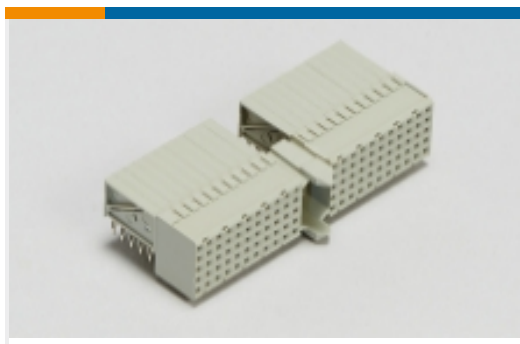
Backplane Guide Hardware  
(37)



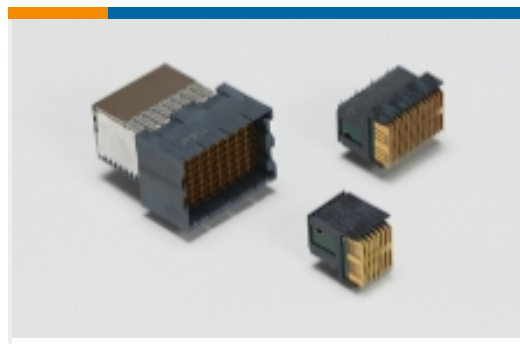
Board-to-Board Connector  
Contacts(8)



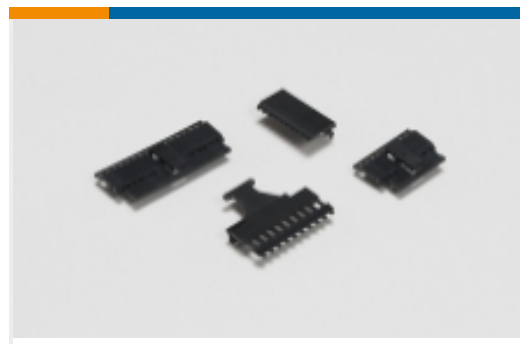
Board-to-Board Headers &  
Receptacles(6)



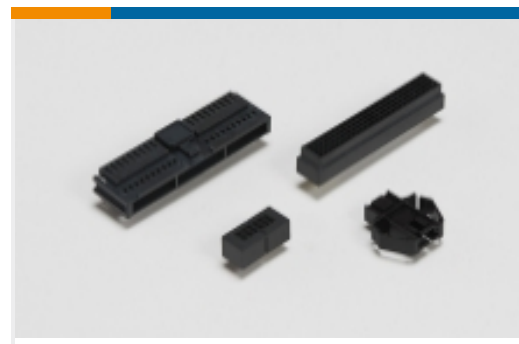
Hard Metric Backplane Connectors(257)



High Speed Backplane Connectors(8)



PCB Connector Covers(4)



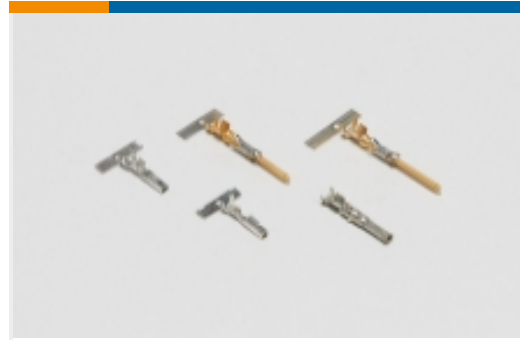
PCB Connector Shrouds (48)



PCB Ferrules & Shields(19)



PCB Latches, Locks & Retainers(1)



Power Contacts(1)



Rectangular Power Connectors(111)

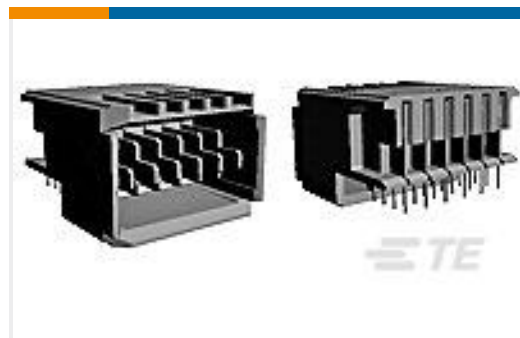
### Customers Also Bought



TE Part #1-1469491-3  
MULTIGIG RT GUIDE PIN,  
9MM 4.20



TE Part #1-1469387-1  
ATCA GUIDE MODULE  
VERT SHORT



TE Part #120958-1  
UPM EXPANDED PIN  
ASSEMBLY



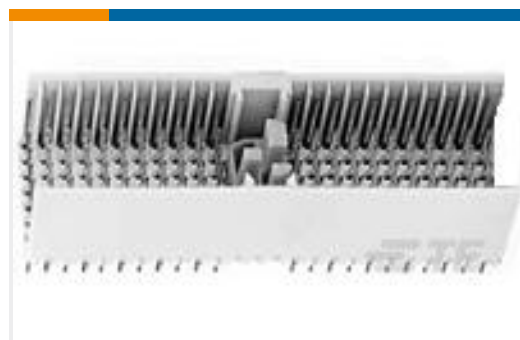
TE Part #6469083-1  
HMZD 3PAIR, HDR ASSY,  
25MM MOD



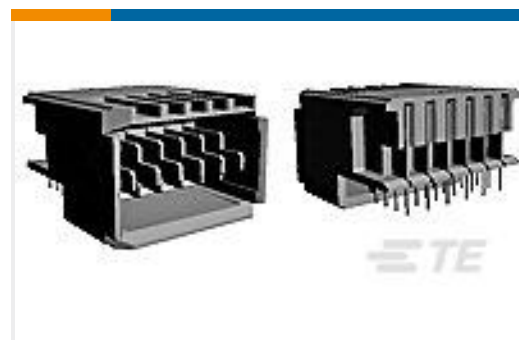
TE Part #1934299-1  
Tin man header Assy 3x8  
open



TE Part #1934226-1  
Tin man Recept Assy 3pair 8  
Colum



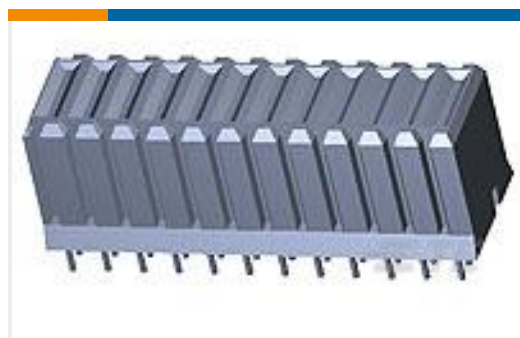
TE Part #5100668-1  
Z-PACK M.ASSY.154P.



TE Part #120958-2  
UPM EXPANDED PIN  
ASSEMBLY



TE Part #1934228-1  
Tin Man Recept Assy 3  
pair 10 C



TE Part #120953-1  
UPM EXPANDED RCPT  
ASSEMBLY

### Documents



### Product Drawings

[UPM EXPANDED RCPT ASSEMBLY](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_120953-5\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_120953-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_120953-5\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

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

English

[POWER\\_CONNECTORS\\_CATALOG\\_SEC01\\_BOARD\\_TO\\_BOARD](#)

English

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

English

[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

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### Product Environmental Compliance

[MD\\_120953-5\\_030120172351\\_dmtec](#)

English

[MD\\_120953-5\\_030120172351\\_dmtec](#)

English