

120943-1 ✓ ACTIVE

Z-PACK 2mm HM

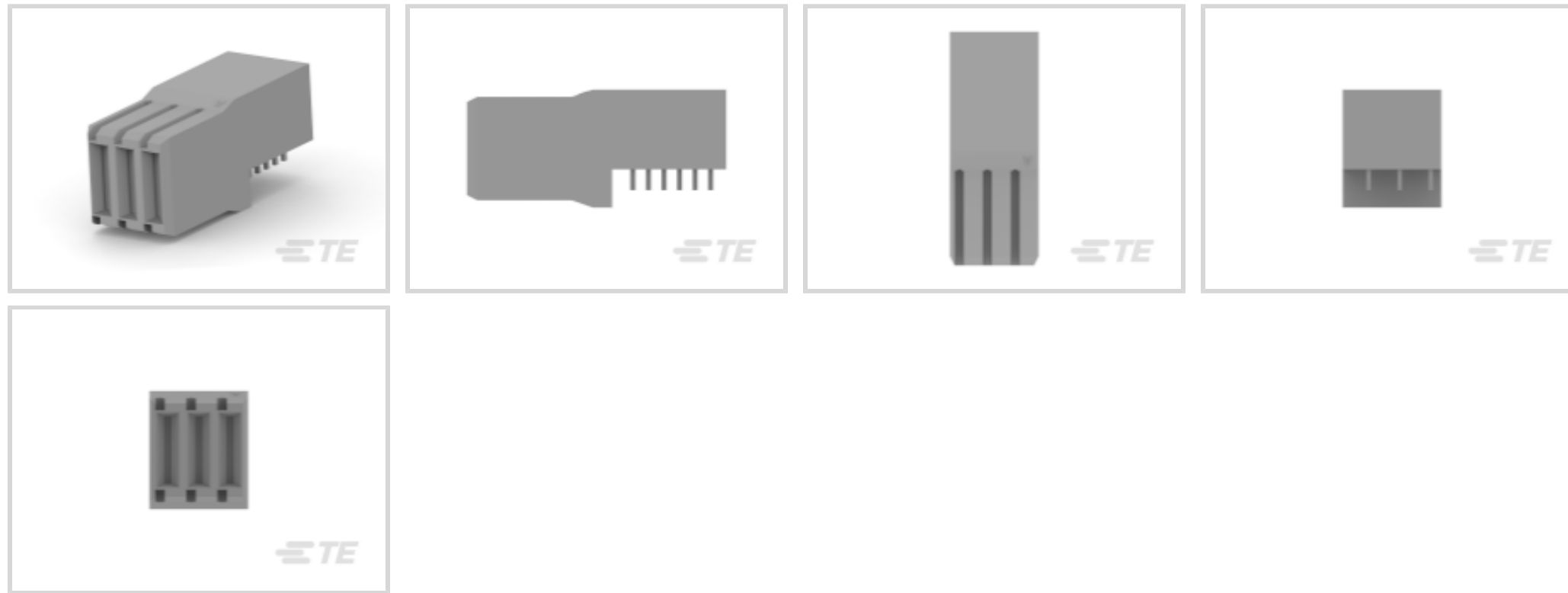
TE Internal #: 120943-1

PCB Mount Receptacle, Right Angle, Board-to-Board, 3 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Gold, Z-PACK 2mm HM

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

### Features

#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### 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

#### Configuration Features

Number of Loaded Positions	3
Mating & Unmating Configuration	Hot Pluggable
Number of Power Positions	3



Connector Contact Load Condition	Fully Loaded
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PCB Mount Orientation	Right Angle
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Number of Positions	3
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Number of Rows	1
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### 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
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Contact Underplating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
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PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 $\mu\text{m}$ [19.68 – 49.21 $\mu\text{in}$ ]
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Gold
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Contact Type	Receptacle
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Contact Current Rating (Max)	16 A
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### Termination Features

Termination Post & Tail Length	2 mm[.079 in]
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Termination Method to PCB	Through Hole - Press-Fit
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### Mechanical Attachment

Panel Mount Feature	Without
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Mating Retention	Without
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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### Housing Features

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

Connector Width	25 mm [.984 in]
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Connector Height	9.95 mm [.392 in]
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Connector Length	9.5 mm [.374 in]
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### Usage Conditions

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

Circuit Application	Power
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### Industry Standards

Compatible With Approved Standards Products	UL E28476
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Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	50
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Packaging Method	Tube
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### Product Compliance

[For compliance documentation, visit the product page on 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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#### Product Compliance Disclaimer

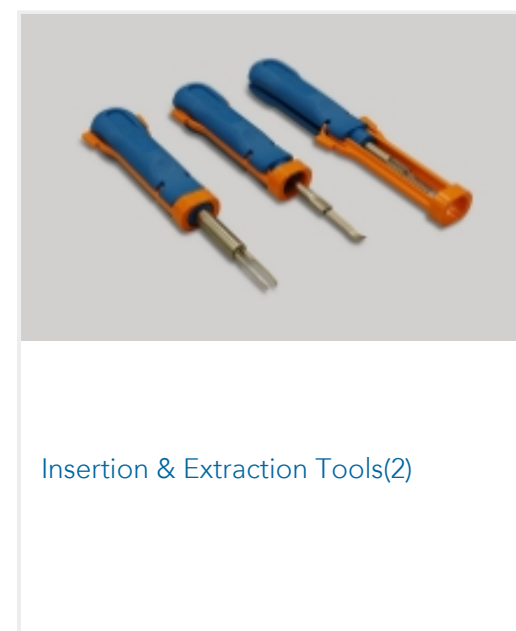
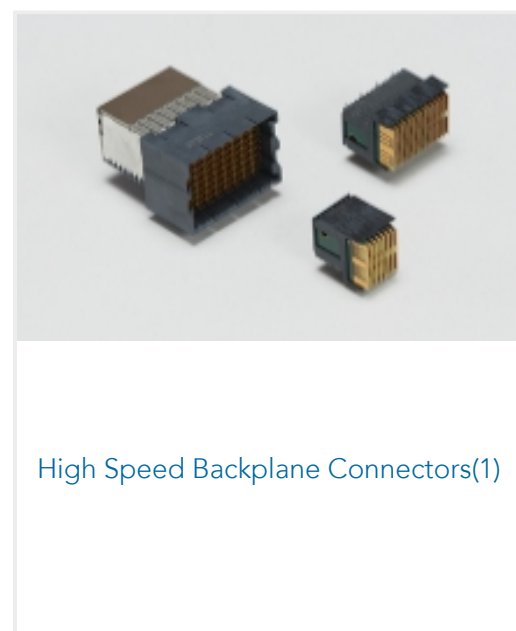
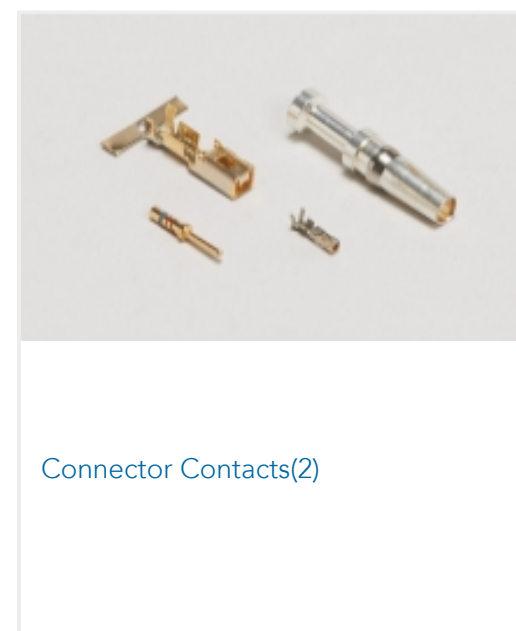
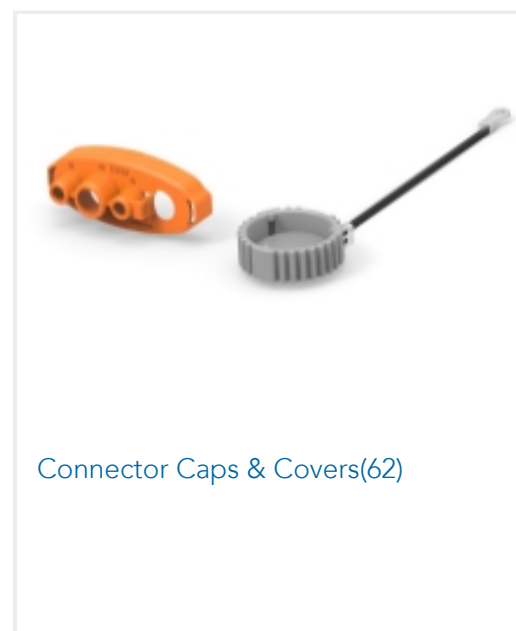
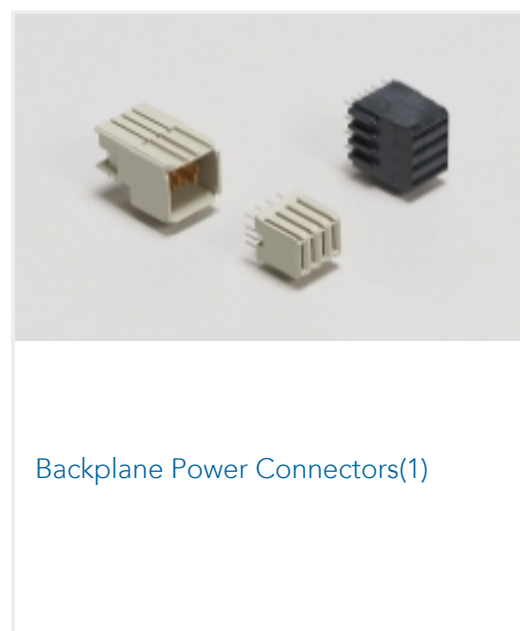
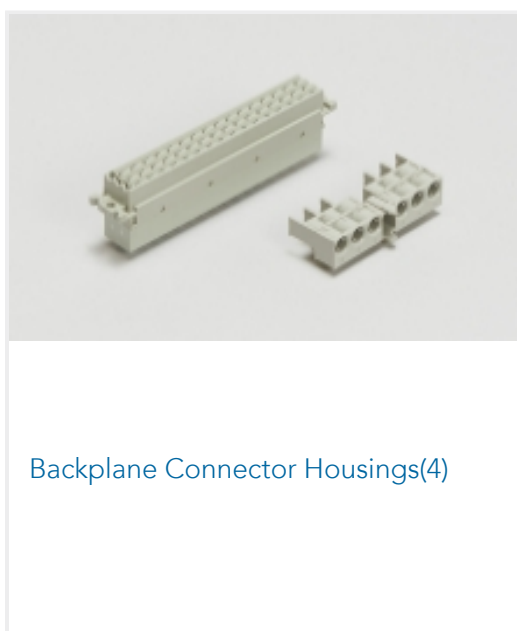
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



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



## Customers Also Bought



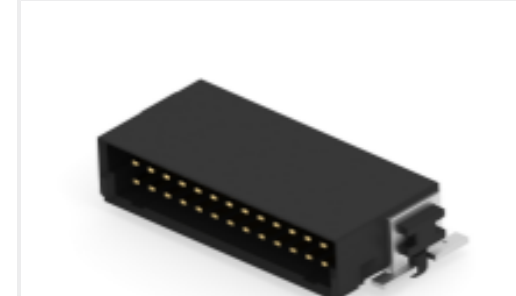
TE Part #6469169-1  
HMZD 2PR RA HDR 40P



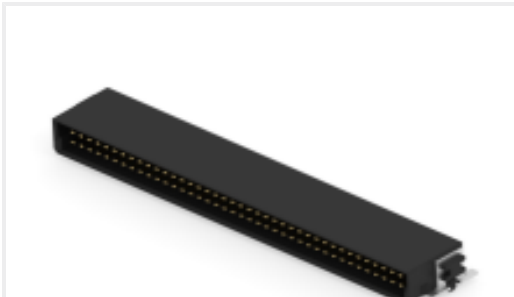
TE Part #5223955-2  
TE UPM Ver Receptacle 3P STD Power



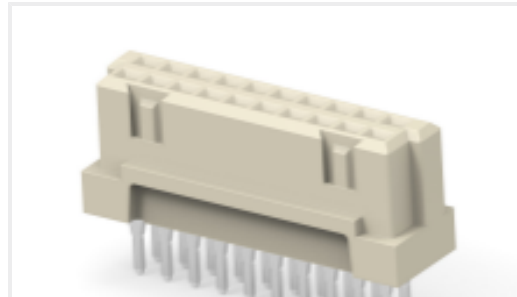
TE Part #154744-E  
SMCQ 80 F AB VV 7-03 CL \* 0007 137  
E002



TE Part #154764-E  
SMCB 26 M AB VV 7-03 CL \* 0007 137  
E004



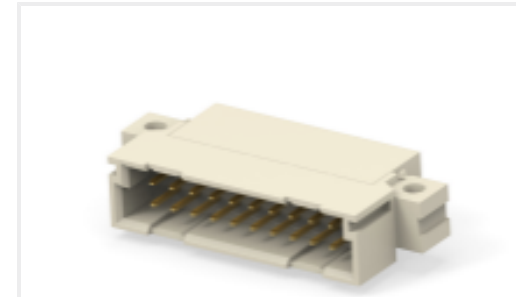
TE Part #154767-E  
SMCB 80 M AB VV 7-03 CL \* 0007 137  
E004



TE Part #234449-E  
STVB/3 20 F AB VV 7-00 EE 5,5 \* 247  
E007



TE Part #244790-E  
M12 MALE, A CODE, 5P, 17MM SMT



TE Part #384278-E  
STVB/3 20 M AB VV 4-00 EE \* \* 247  
E007 1



TE Part #394811-E  
M12 FEMALE, X CODE, 8P, 17MM  
SMT, CAT6A

## Documents

### Product Drawings

[UPM R/A REC HC 3P Power Connector](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_120943-1\\_A.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_120943-1\\_A.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_120943-1\\_A.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

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

English

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### Product Specifications

[Engineering Report](#)

English