

3-5646547-0 ACTIVE

[Z-PACK | Z-PACK 2mm HM](#)

TE Internal #: 3-5646547-0

Hard Metric Backplane PCB Mount Receptacle, ≤ 1 Gb/s, 25

Column, 5 Row, Traditional Backplane, 125 Position, 2 mm [.078 in]

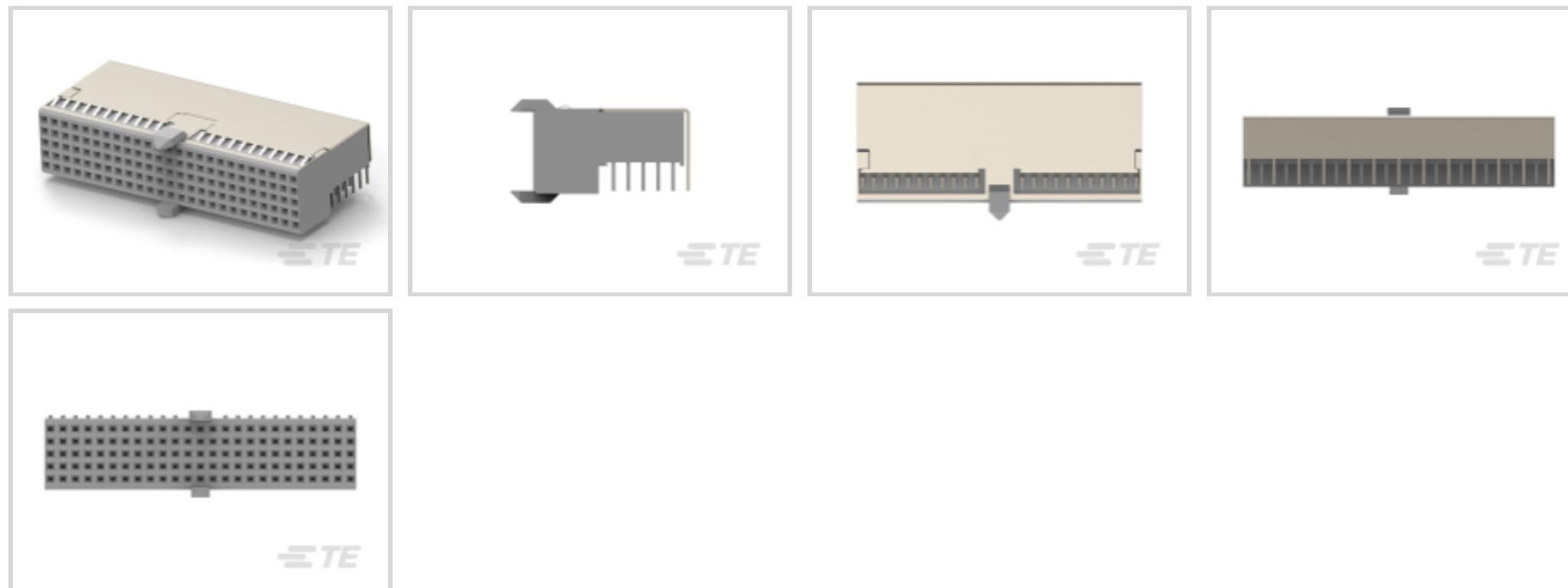
Centerline, Z-PACK 2mm HM

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm



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

Data Rate: **≤ 1 Gb/s**

Number of Columns: **25**

Number of Rows: **5**

Backplane Architecture: **Traditional Backplane**

[All Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm \(27\)](#)

Features

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Contact Features

CompactPCI Designation	None
------------------------	------

Contact Type	Socket
--------------	--------

Contact Mating Area Plating Material	Gold
--------------------------------------	------

Contact Mating Area Plating Material Thickness	.76 μ m[30 μ in]
--	--------------------------

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
-----------------------------------	-----------------------

Connector System	Board-to-Board
------------------	----------------

PCB Connector Assembly Type	PCB Mount Receptacle
-----------------------------	----------------------

Sealable	No
----------	----

Signal Characteristics

Data Rate	\leq 1 Gb/s
-----------	---------------

Configuration Features

Number of Columns	25
-------------------	----

Number of Rows	5
----------------	---

Backplane Architecture	Traditional Backplane
------------------------	-----------------------

Number of Positions	125
---------------------	-----

PCB Mount Orientation	Right Angle
-----------------------	-------------

Body Features

Primary Product Color	Gray
-----------------------	------

Housing Features

Centerline (Pitch)	2 mm [.078 in]
--------------------	----------------

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Packaging Features

Packaging Method	Tube
------------------	------

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 reviewed for solder process capability

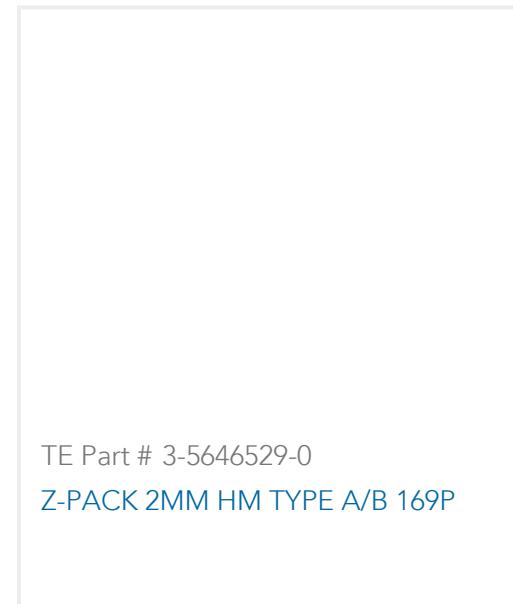
Product Compliance Disclaimer

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

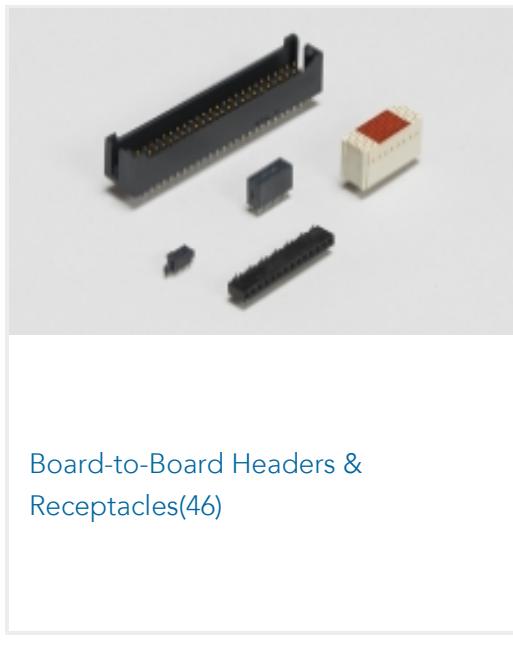


TE Part # 3-2170154-0
MALE ASSEMBLY, Z-PACK 2mm HM,
TYPE A/B

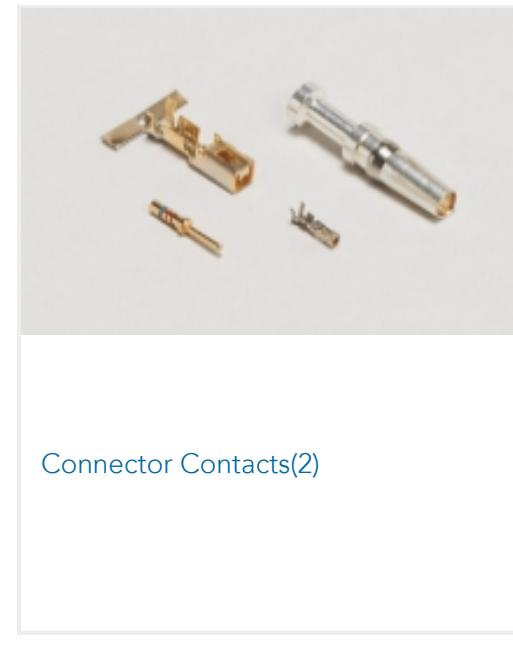


TE Part # 3-5646529-0
Z-PACK 2MM HM TYPE A/B 169P

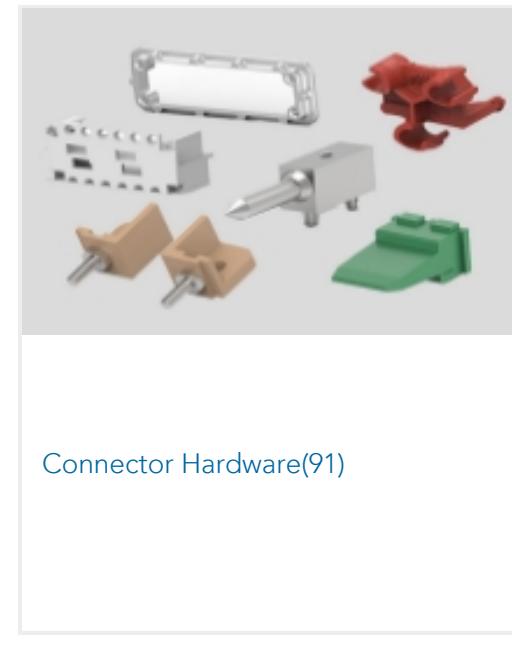
Also in the Series | Z-PACK 2mm HM



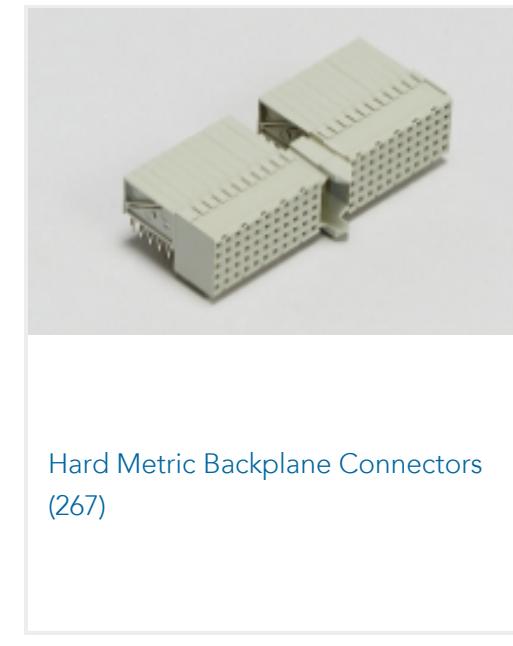
Board-to-Board Headers &
Receptacles(46)



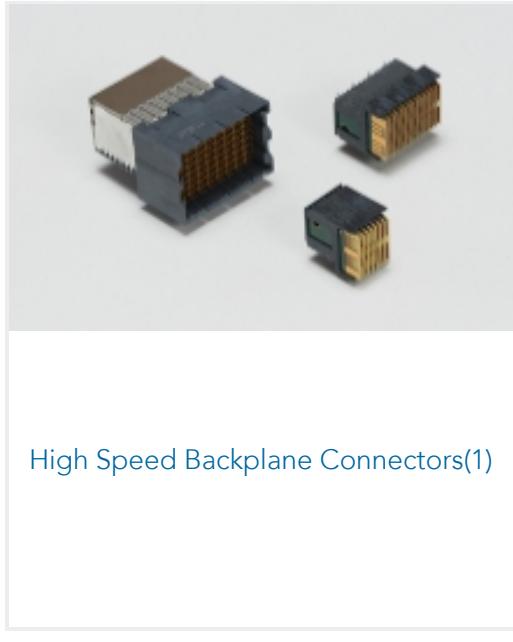
Connector Contacts(2)



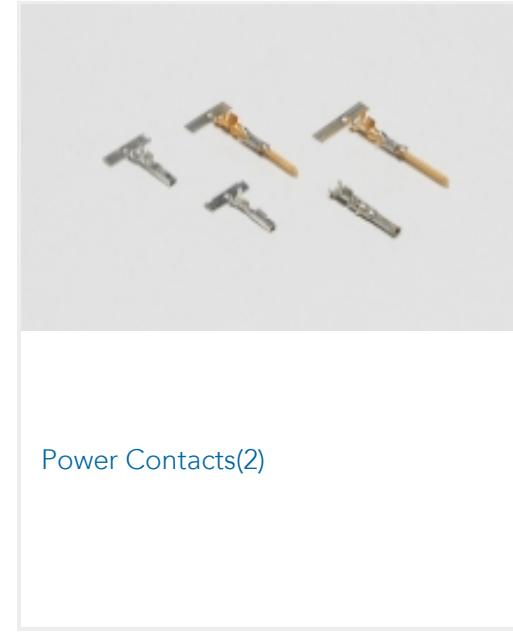
Connector Hardware(91)



Hard Metric Backplane Connectors
(267)

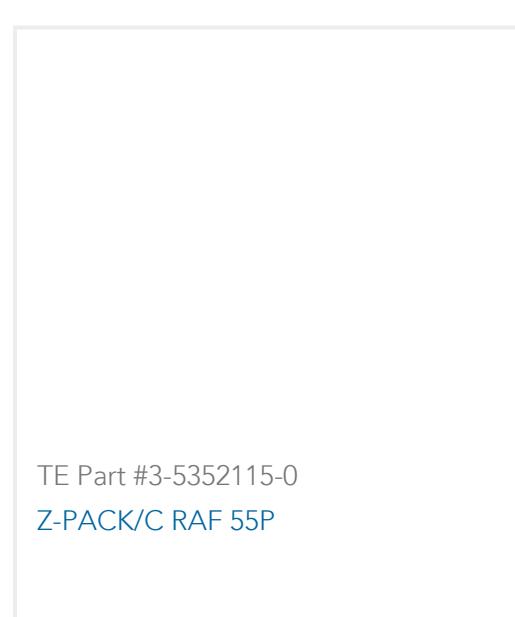


High Speed Backplane Connectors(1)



Power Contacts(2)

Customers Also Bought

TE Part #5499160-4
A/L UNIV HDR 20P VERT SHT LATTE Part #55936-2
PIDG R 22-16 COMM 22-18MIL 1/4TE Part #102203-2
05 MODII HDR SRRA SHRD .100CLTE Part #530341-4
BOX PIN HEADER KITTE Part #650949-5
120 EURO TYPE C PIN ST ASSYTE Part #1-87146-4
40 MODIV HSG COMP DR .150CLTE Part #448821-1
KIT,TWINAX BOARD MOUNT 4 POSTE Part #1-1617031-2
HFW1201K148 = HFW 1/2 SIZE RELTE Part #3-5100161-0
Z-PACK/C RAF 55PTE Part #3-5352115-0
Z-PACK/C RAF 55P

Documents

Product Drawings

Z-PACK A-B 25 COLUMN SHLD ASSY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-5646547-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-5646547-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-5646547-0_A.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English