Z-PACK M.ASSY.154P. ✔ ACTIVE

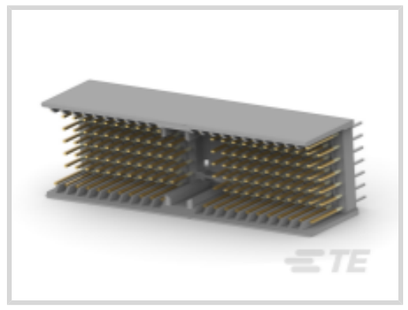
Z-PACK | Z-PACK 2mm HM

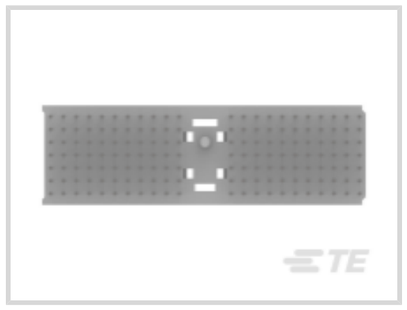
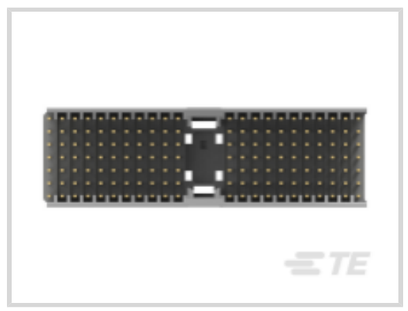
TE Part # 100668-1

TE Internal #: 100668-1

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Hard Metric Connectors



Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **7**

Architecture: **Mezzanine**

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

Features

Product Type Features

Make First / Break Last	No
Connector System	Board-to-Board
Connector Type	Connector Assembly
Connector Style	Plug
Shielded	Yes
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Rows Loaded	A, B, C, D, E, F, Z
Number of Columns	22
Number of Rows	7
Architecture	Mezzanine
Number of Positions	154
PCB Mount Orientation	Vertical

Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Shield Type	Ground Return Shielding

Contact Features

Contact Mating Area Length	13.45 mm
Feedthrough Post Length	3.7 mm
Grounding Contact	Without
Contact Configuration	ACTION PIN, Signal
Contact Base Material	Phosphor Bronze
Contact Type	Pin
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm
Contact Current Rating (Max)	1.5 A

Termination Features

Termination End Plating Material	Tin-Lead over Nickel
Interface Type	2mm HM

Mechanical Attachment

Front Mating Level	Level 1
Mating Alignment Type	Multi-Purpose Center
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2 mm[.078 in]
Housing Material	Polyester - GF
Housing Color	Gray

Dimensions

Module Length	50 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
AdvancedTCA Specified Product	No

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

Product Compliance

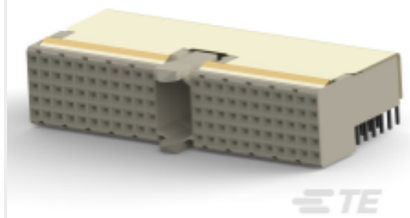
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 # 352068-1
Z-PACK/A F-HDR 110P

Also in the Series | Z-PACK 2mm HM



Backplane Coding Keys(60)



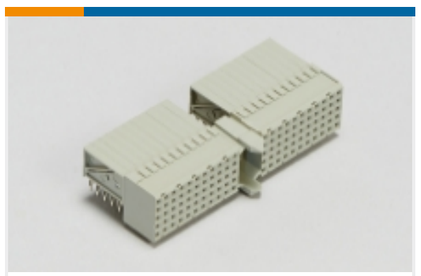
Backplane Guide Hardware (37)



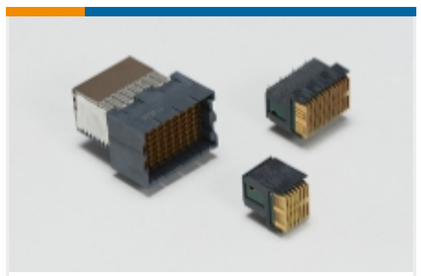
Board-to-Board Connector Contacts(8)



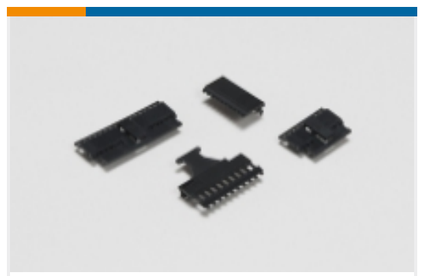
Board-to-Board Headers & Receptacles(6)



Hard Metric Backplane Connectors(257)



High Speed Backplane Connectors(8)



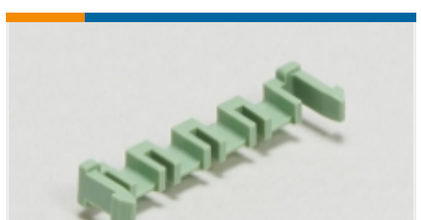
PCB Connector Covers(4)



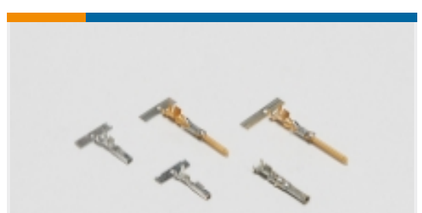
PCB Connector Shrouds (48)



PCB Ferrules & Shields(19)



PCB Latches, Locks & Retainers(1)



Power Contacts(1)



Rectangular Power Connectors(111)

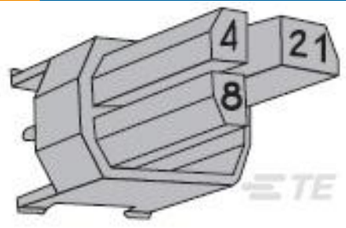
Customers Also Bought



TE Part #106081-1
2MM HM, HEADER, TYPE C



TE Part #338108-2
Z-PACK SHLD.LOWER A



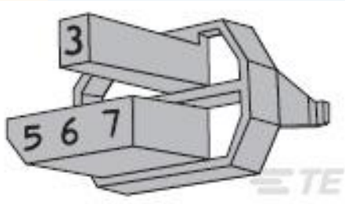
TE Part #100525-9
Z-PACK M.CODING KEY



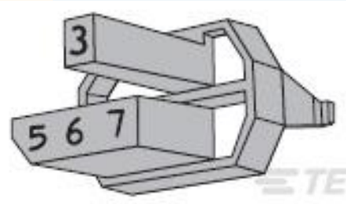
TE Part #352069-1
Z-PACK/B F-HDR.125P



TE Part #223961-1
UNV,PWR,MDL.HDR,R-PEGS



TE Part #6-100526-1
Z-PACK F.CODING KEY



TE Part #100526-3
Z-PACK F.CODING KEY



TE Part #100159-1
2MM HDR, 55 POS EXTN MOD



TE Part #5223977-1
UNIV. POWER MODULE R /A HEADER

Documents

Product Drawings

Z-PACK M.ASSY.154P.

English

CAD Files

Customer View Model

ENG_CVM_CVM_100668-1_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_100668-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_100668-1_H.3d_stp.zip

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English