5646446-1 ✔ ACTIVE

Z-PACK | Z-PACK 2mm HM

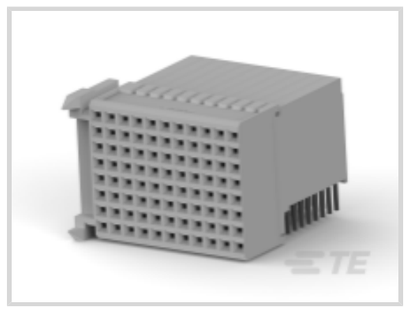
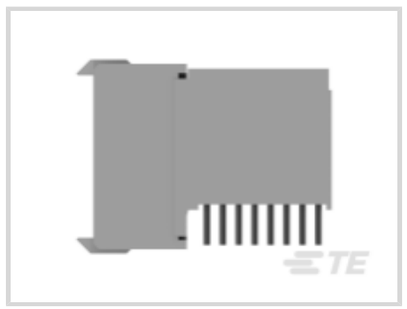
TE Internal #: 5646446-1

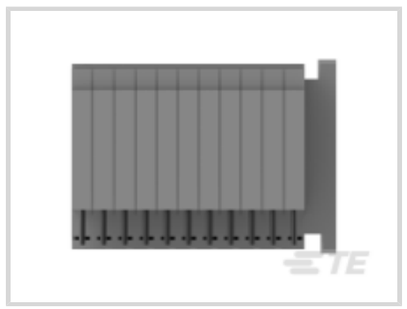
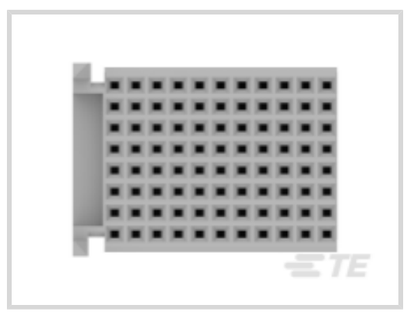
Hard Metric Backplane PCB Mount Receptacle, ≤1 Gb/s, 11 Column, 8 Row, Mezzanine, 88 Position, 2 mm [.078 in] Centerline, Right Angle, Z-PACK 2mm HM

View on TE.com >

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

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm

PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **≤1 Gb/s**

Number of Columns: **11**

Number of Rows: **8**

Backplane Architecture: **Mezzanine**

All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm (48)

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Backplane Interface Type	2mm HM
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Receptacle
Sealable	No

Configuration Features

Rows Loaded	A, B, C, D, E, F, G, H
Number of Signal Positions	88
Number of Columns	11
Number of Rows	8
Backplane Architecture	Mezzanine
Number of Positions	88

PCB Mount Orientation	Right Angle

Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray

Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	3.3 mm
Contact Type	Socket
Contact Mating Area Plating Material	Performance Based
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment Type	Multi-Purpose Center

Housing Features

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

Dimensions

Backplane Module Length	25 mm

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	20
Packaging Method	Box

Product Compliance

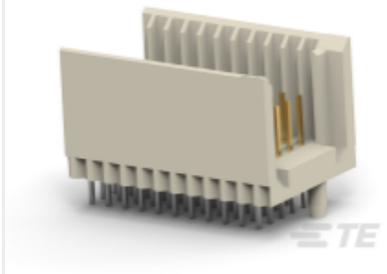
For compliance documentation, visit the product page on TE.com>

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

Compatible Parts

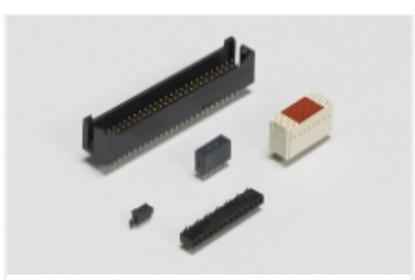
TE Part # 2170310-2
2MM HM,ASY,T-F,PIN,088 POS

TE Part # 3-5646457-0
2MM HM,ASY,T-F,PIN,088 POS



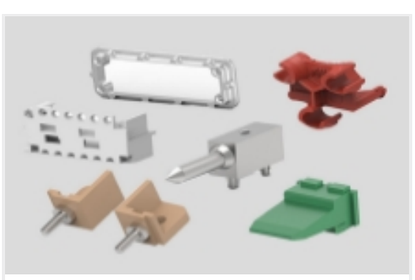
TE Part # CAT-472-Z12
Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm

Also in the Series | Z-PACK 2mm HM

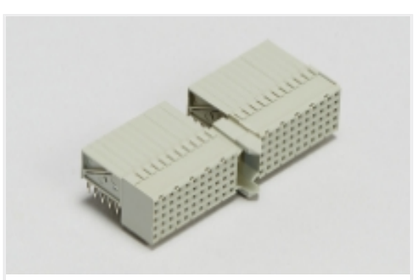


Board-to-Board Headers & Receptacles(46)

Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (264)

Power Contacts(1)

Rectangular Power Connectors(46)

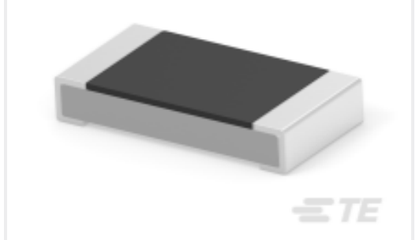
Customers Also Bought

TE Part #234064-E
STVBTL BUT 100 CSI 2026 207 * J 2 34093

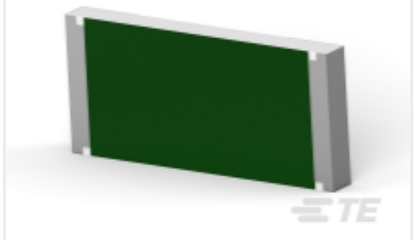
TE Part #024070-E
STVBUG E 160 CSI 172 9999 * J 4 24070 FE

TE Part #1-1623772-7
C7 1R0 2% AMMO PK

TE Part #1676142-2
RN 0805 100K 0.1% 10PPM 1KRL

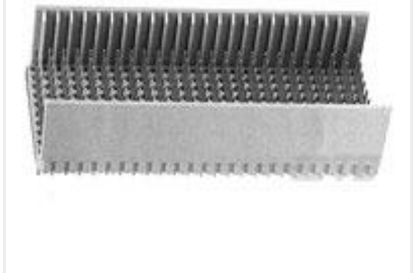


TE Part #7-2176392-5
RQ 1206 787K 0.1% 10PPM 5K RL



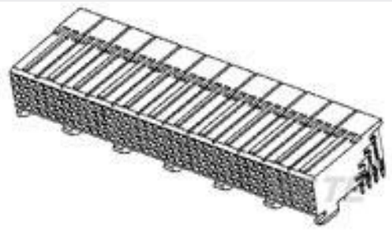
TE Part #2176404-9
3550 30K 1%

TE Part #5100161-1
Z-PACK/C RAF 55P



TE Part #5646347-1
2MM HM,ASY,T-E,HDR,08R,200,AP

TE Part #Y323-1115-00-00000
ASSY,104_POS_PLUG_ 90DEG, PCB MOUNT



TE Part #5536511-4
2MM FB,ASY,192,SIG,REC,EN,3.55

Documents

Product Drawings

2MM HM,ASY,T-F,REC,TWIST TULIP

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5646446-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_5646446-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5646446-1_A.3d_stp.zip

English

Product Specifications

Product Specification

English

Product Specification

English