2302796-2 ✔ ACTIVE

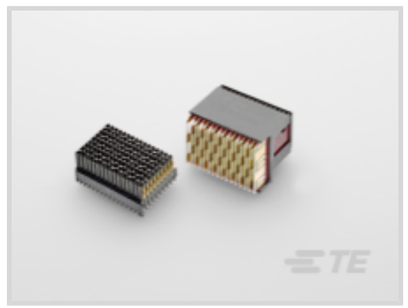
MULTIGIG RT 3

TE Internal #: 2302796-2

56 Position High Speed Backplane Connector, 7 Row, 8 Column, PCB Mount Header, Right Angle, Unshrouded, 1.8 mm [.075 in] Centerline, MULTIGIG RT 3

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: **56**

Row-to-Row Spacing: **1.35 mm [.053 in]**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Number of Rows: **7**

Features

Product Type Features

Signal Arrangement	Differential
Connector & Contact Terminates To	Printed Circuit Board
Compatible with PCB Type	Daughtercard
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Header
Shroud Style	Unshrouded

Configuration Features

Number of Pairs	16
Number of Power Positions	0
Number of Ground Positions	20
Backplane Architecture	Traditional Backplane
Number of Signal Positions	4
Card Slot Centerline	20.3 mm[.8 in]
Number of Positions	56
Number of Rows	7
Number of Columns	8
PCB Mount Orientation	Right Angle
Guide Location	Unguided

Downloaded from Arrow.com.

Signal Characteristics

Number of Differential Pairs per Column	2
Differential Impedance	100 Ω

Contact Features

Contact Current Rating (Max)	1 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Keyed
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Liquid Crystal Polymer (LCP) GF
Number of Shrouded Sides	2
Centerline (Pitch)	1.8 mm[.075 in]

Dimensions

Row-to-Row Spacing	1.35 mm[.053 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC

Downloaded from Arrow.com.

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 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

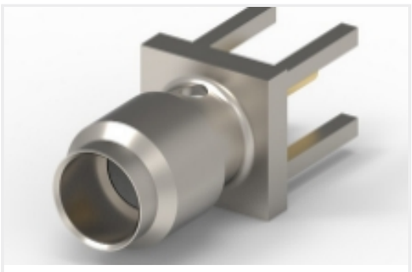


TE Part # 2000676-1
Keyed Guide Pin, Machined, Vita 46



TE Part # 2000713-1
RA Keyed Guide Mod, Vita 46, Machined

Also in the Series | MULTIGIG RT 3



OSMM RF Connectors(1)



PCB RF Modules(1)



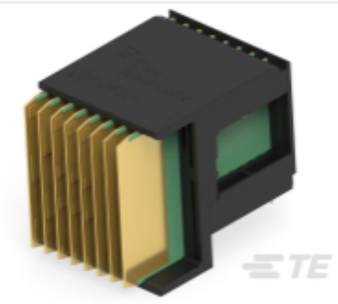
SMPM RF Connectors(5)

Customers Also Bought

Downloaded from Arrow.com.



TE Part #1410138-1
MULTIGIG RT T2 .8" DC DF F-LFT



TE Part #1410189-2
MULTIGIG RT T2 7RW H-LFT,ET2



TE Part #1410965-1
MULTIGIG RT T2 .8" BP FULL CNT



TE Part #5-1734857-5
PCI EXP STRADDLE 36P BLK 30u"



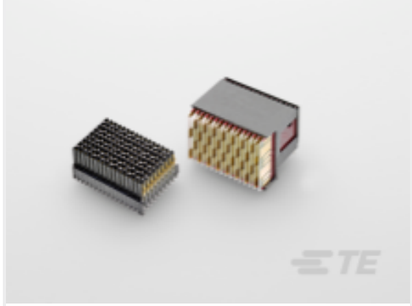
TE Part #1-2000713-2
RA Keyed Guide Mod, Vita 46, Machined



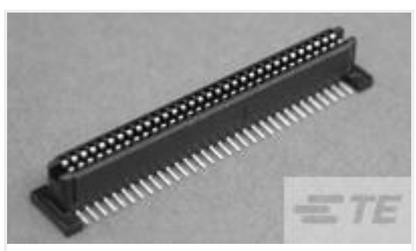
TE Part #2102772-1
DC, 7Row, Half Left End, MULTIGIG RT 2R



TE Part #1-2176345-1
CRGCQ 1210 68R 1%



TE Part #2302794-2
RAPLUGASSY,CENTERRP0,RTM,VPX, MGRT3



TE Part #1-5120528-1
1FHR,64,50A/S,N,C,S08,09,10



TE Part #5569263-1
STK MJ,8POS,2X6,SHLD,CAT5

Documents

Product Drawings

RAPLUGASSY,LEFTEND,HALF,RTM,VPX,MGRT3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2302796-2_2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2302796-2_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2302796-2_2.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Downloaded from Arrow.com.

Application Specification

English

Downloaded from Arrow.com.