

2302317-1 ✓ ACTIVE

MULTIGIG RT | MULTIGIG RT 2-S

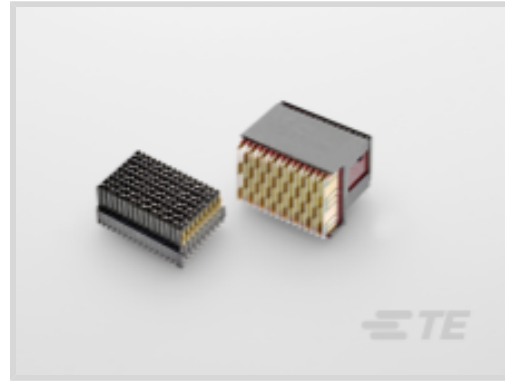
TE Internal #: 2302317-1

High Speed Backplane Connectors, Board-to-Board, 112 Position,
Mating Alignment, Keyed Mating Alignment Type, 7 Row, 16
Column, MULTIGIG RT 2-S

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[Connectors](#) > [PCB Connectors](#) > [Backplane Connectors](#) > [High Speed Connectors](#)



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

Number of Positions: **112**

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

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Features

Product Type Features

Applied to Printed Circuit Board Type	Daughtercard
Signal Arrangement	Differential
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Ground Positions	40
Card Slot Centerline	20.3 mm[.8 in]
Number of Power Positions	0
Number of Pairs	32
Number of Signal Positions	8
Number of Positions	112
Number of Rows	7
Number of Columns	16
Backplane Architecture	Traditional Backplane
PCB Mount Orientation	Right Angle



Guide Location	Unguided
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Signal Characteristics

Differential Impedance	100 Ω
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Number of Differential Pairs per Column	2
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Contact Features

Contact Current Rating (Max)	1 A
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

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

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

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

Operating Temperature Range	-55 – 125 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Not Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold:
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Pb (7% in Plating)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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 # 2000713-6
RA Keyed Guide Mod, Vita 46, Machined



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



TE Part # 2226027-1
Mezzanine Conn, 25mm stack height, 16



TE Part # 2000713-3
RA Keyed Guide Mod, Vita 46, Machined



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



TE Part # 2102735-1
BP, Half Left End, MULTIGIG RT 2R



TE Part # 1410964-1
MULTIGIG RT T2 .8" BP FULL CNT



TE Part # 2102736-1
BP, Center, MULTIGIG RT 2R



TE Part # 2000676-2
Keyed Guide Pin, Machined, Vita 46



TE Part # 2102737-1
BP, Right End, MULTIGIG RT 2R



TE Part # 1410135-1
MULTIGIG RT T2 .8" BP FULL CNT



TE Part # 2102771-1
DC, 7Row, Center, MULTIGIG RT 2R




TE Part # 2102870-1
DC, 7Row, Right End, MULTIGIG RT 2R



TE Part # 1410966-1
MULTIGIG RT T2 .8" BP FULL CNTR
RTM SEL



TE Part # 2000676-3
Keyed Guide Pin, Machined, Vita 46



TE Part # 2000676-7
Keyed Guide Pin, Machined



TE Part # 2302320-1
RA ASSY, Cent RTM DP, MULTIGIG RT
2-S



TE Part # 2302785-1
RA PLUG ASSY,7ROW,CENTER,VPX,
MG RT3

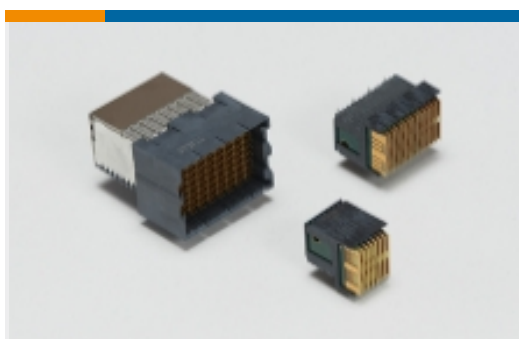


TE Part # 2302788-1
VERTRECCASSY,LEFTEND, HALF,
MGRT3



TE Part # 2302789-1
VERTRECCASSY,CENTER,MULTIGIG
RT3

Also in the Series | **MULTIGIG RT 2-S**



High Speed Backplane Connectors(12)

Customers Also Bought



TE Part #747301-8
37 RCPT SP/FMS INSRT



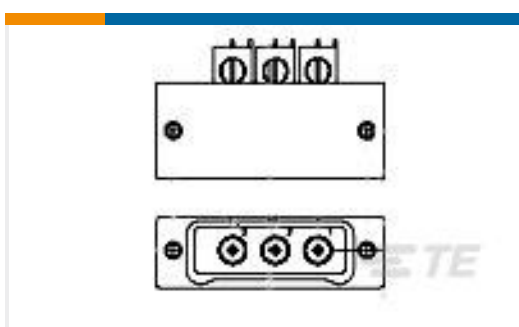
TE Part #YDTS24W13-35PNV001
RECP ASSY



TE Part #YDTS20W11-35ANV001
RECP ASSY




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




TE Part #2-1589072-3
CX030L2AQ = Coax



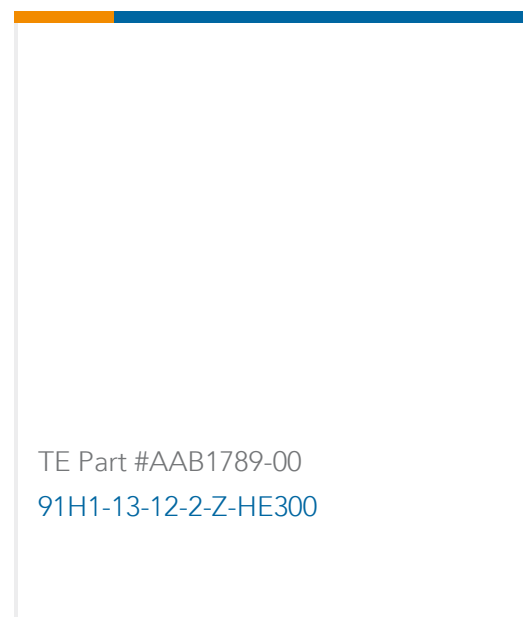
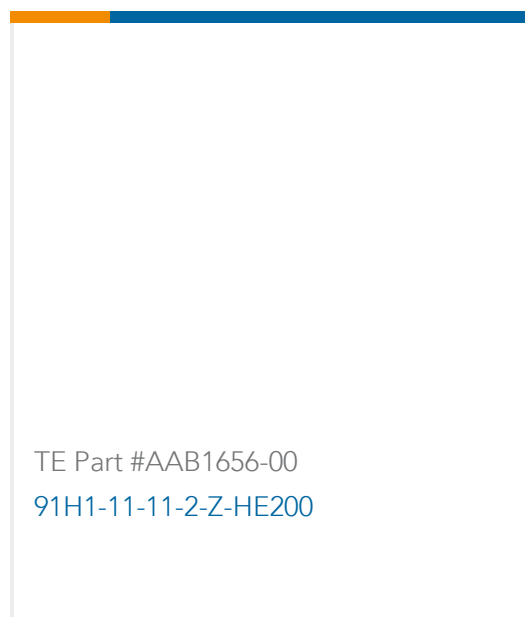
TE Part #858857-1
LGH-1/2L FLANGED RECEPT.



TE Part #CTJ-3D-13
RAIL ASSY



TE Part #CTJ122E02D
MODULE ASSY



Documents

Product Drawings

[RA ASSY, 7 Row, Cent DP, MULTIGIG RT 2-S](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_2302317-1_2.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_2302317-1_2.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_2302317-1_2.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SOSA Aligned Interconnect Solutions](#)

English

[MULTIGIG RT 3 and RT 2-S Connectors](#)

English

Product Specifications

[Application Specification](#)

English