

MULTIGIG RT Connector Products for VITA 46 (VPX) Standard

DESCRIPTION

Tyco Electronics' MULTIGIG RT product is a backplane interconnect family that offers levels of flexibility and customization. This printed circuit based, pinless, interconnect family is comprised of modular components, which can be used in a variety of combinations.

APPLICATIONS

- Military
- Aerospace and Defense
- Mass data storage
- High-end and mid-range servers
- Telecommunications equipment

KEY FEATURES

- 10 Gbps performance
- Differential, Single-ended and Power

- Customizable impedance matched printed circuit wafer interface
- Backplane connector system with "pinless" interface
- Superior crosstalk performance
- Optimized footprints for signal integrity and ease of board design
- Utilizes a 0.56 [.022] diameter via for backplane connector for lower cost board fabrication
- Three levels of signal contact sequencing
- Modular connector system
- Available for 20.30 [.800] or 25.40 [1.00] card pitch systems
- Complete connector family includes...
 - Power Modules
 - Guidance Modules
 - Cable Assemblies planned

TECHNICAL DOCUMENTS

Product Specification: 108-2072

Application Specification: 114-13056

FOR MORE INFORMATION

Technical Support

Internet: <http://www.tycoelectronics.com>

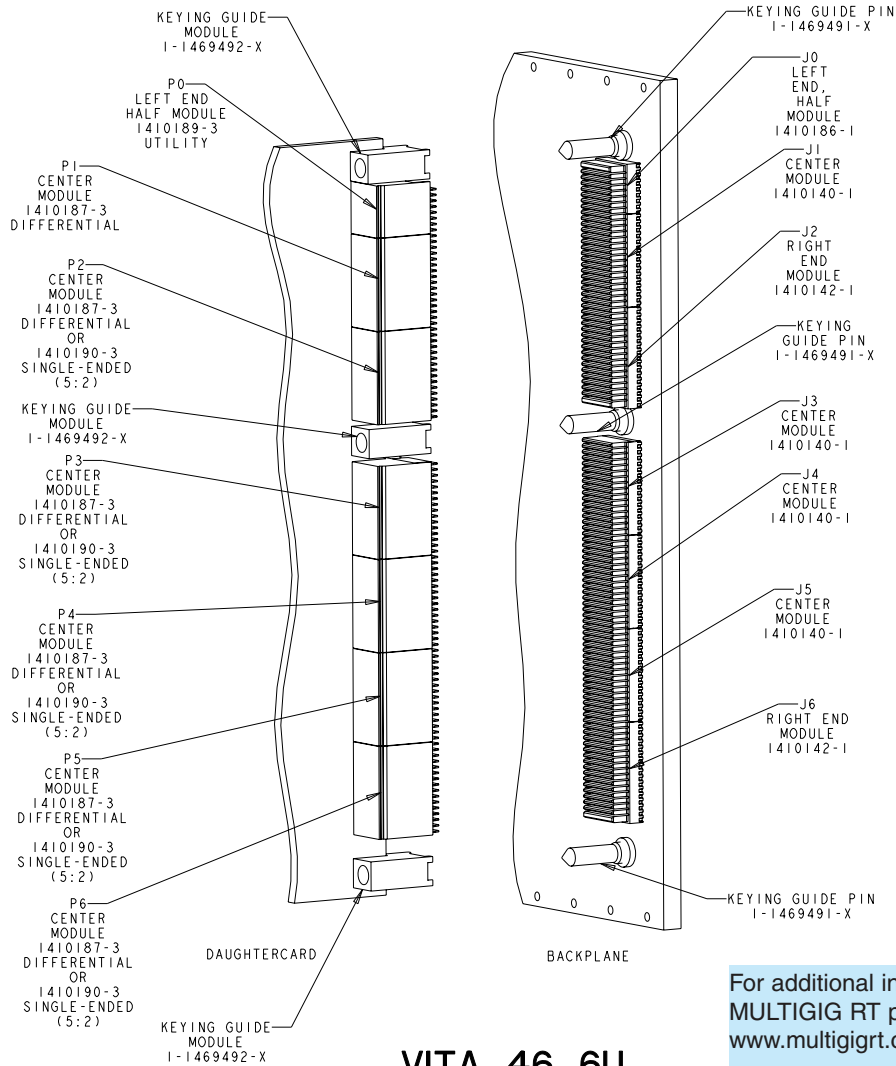
USA: 1-800-522-6752

Canada: 1-905-470-4425

UK: 44-1908-574289

Japan: 81-44-844-8013

PRODUCT OFFERING



VITA 46 6U

For additional information on the complete MULTIGIG RT product family, visit www.multigigrt.com.

Connectors and Guide Hardware Meeting VITA 46 (VPX) Standard

	Location	Used On	Part Number	Description
Backplane	J0	3U & 6U	1410186-1	RT-2, BP, Left End, 8 Columns
	J1	3U & 6U	1410140-1	RT-2, BP, Center, 16 Columns
	J2	3U & 6U	1410142-1	RT-2, BP, Right End, 16 Columns
	J3	6U only	1410140-1	RT-2, BP, Center, 16 Columns
	J4	6U only	1410140-1	RT-2, BP, Center, 16 Columns
	J5	6U only	1410140-1	RT-2, BP, Center, 16 Columns
	J6 (or J5 or J4)*	6U only	1410142-1	Rt-2, BP, Right End, 16 Columns
Daughtercard	P0	3 & 6U	1410189-1	RT-2, 7 Row, DC, Left End, 8 Column, Mixed S-E, Diff, Power
	P1	3U & 6U	1410187-3	RT-2, 7 Row, DC, Center, 16 Columns, Diff
	P2	3U & 6U	1410187-3	RT-2, 7 Row, DC, Center, 16 Columns, Diff (or 1410190-3 S-E)
	P3	6U only	1410187-3	RT-2, 7 Row, DC, Center, 16 Columns, Diff (or 1410190-3 S-E)
	P4	6U only	1410187-3	RT-2, 7 Row, DC, Center, 16 Columns, Diff (or 1410190-3 S-E)
	P5	6U only	1410187-3	RT-2, 7 Row, DC, Center, 16 Columns, Diff (or 1410190-3 S-E)
	P6	6U only	1410187-3	RT-2, 7 Row, DC, Center, 16 Columns, Diff (or 1410190-3 S-E)
Guidance				
Backplane	N/A	3U & 6U	1-1469491-x**	Guide Pine, BP, for 9mm wide module
Daughtercard	N/A	3U & 6U	1-1469492-x**	Guide Module, DC, 9mm wide
	N/A	3U & 6U	1410946-1	Screw, Low Profile with Nylox, for Guide Modules

* Connector J5 and J4 will use connector J6 when the physical position of J6 or possibly J6 and J5 and P6 and P5 is either not being used, or a connector other than a MULTIGIG RT connector is in this position, such as a fiber optic connector.

**See product drawing for dash number options.

Note: All part numbers are RoHS compliant.

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- Downloadable Technical Data Customer Information Presentation
- More detailed information regarding the definitions used above
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