

# 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>

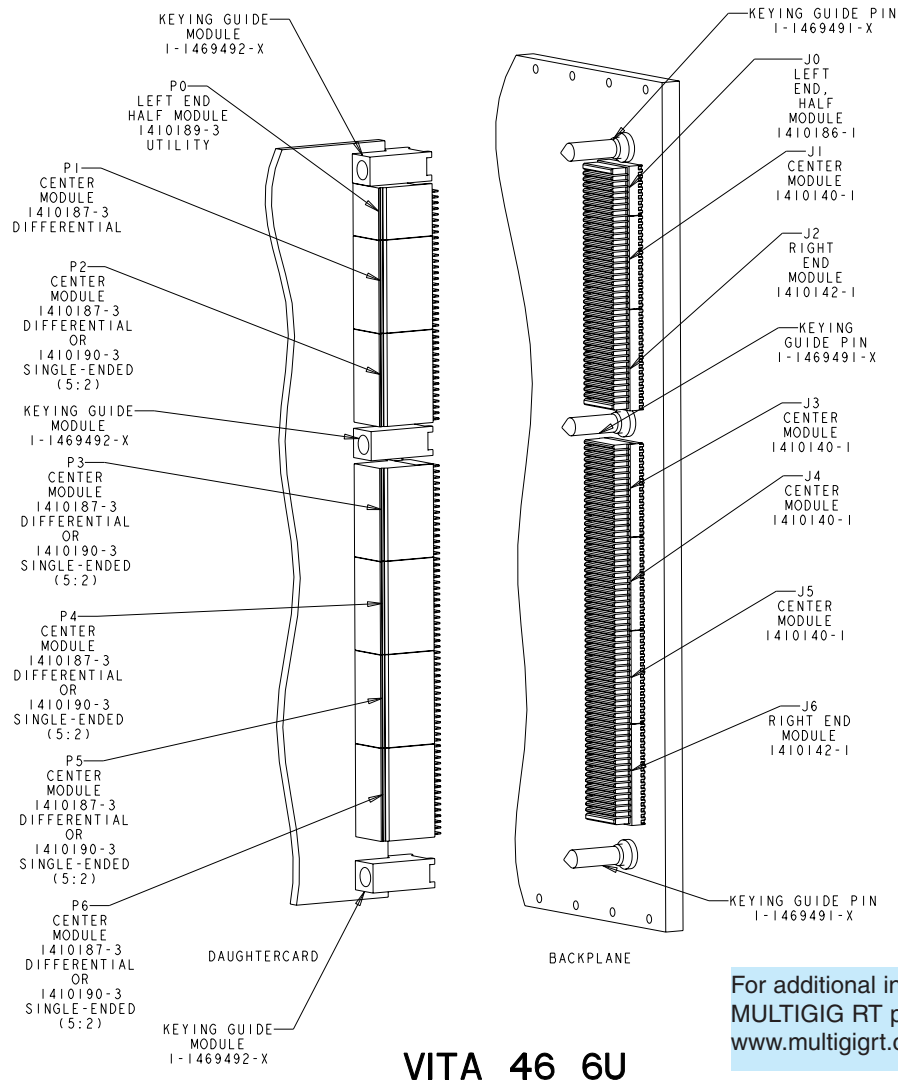
USA: 1-800-522-6752

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](http://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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