

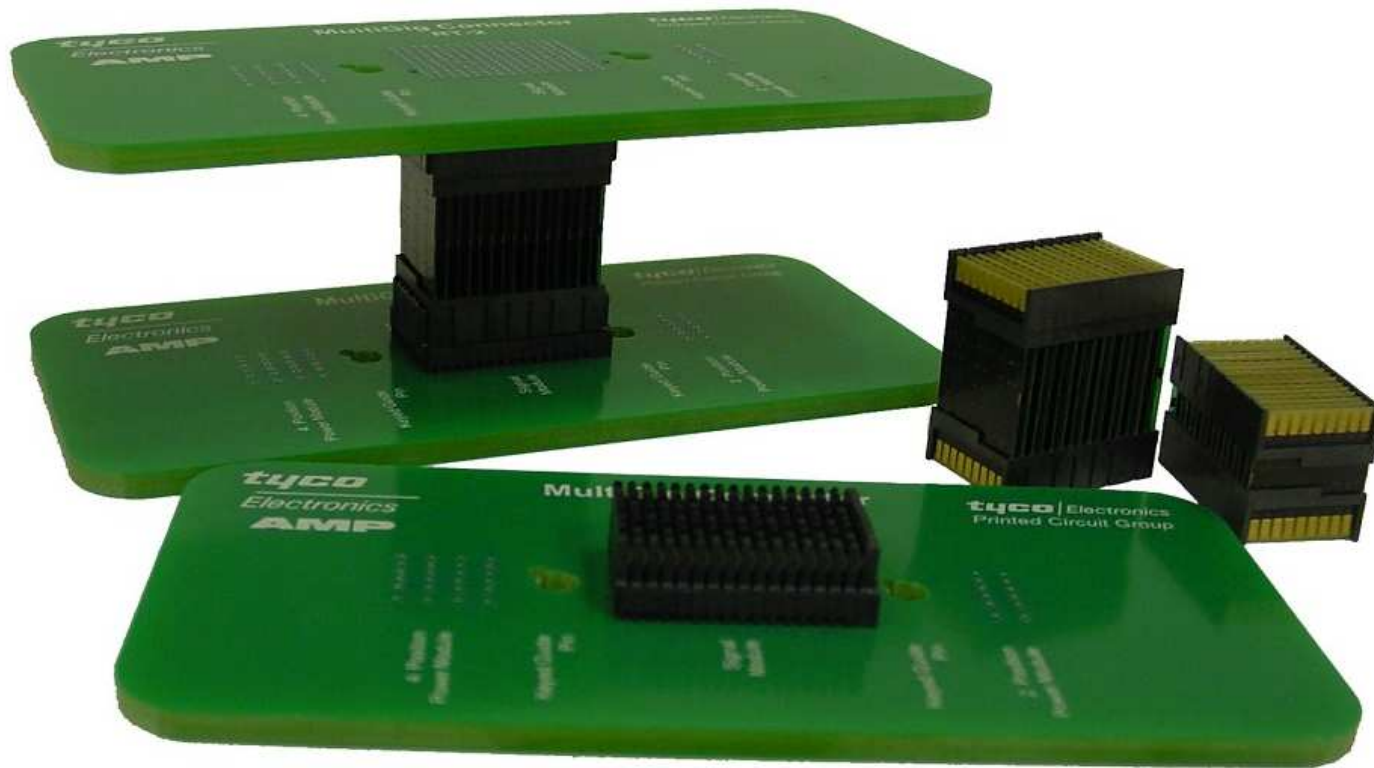
MULTIGIG RT Stacked Mezzanine Product

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New MULTIGIG RT Stacking Connector



MULTIGIG RT Tier 2 Mezzanine Product

- Key Advantages

- Variable Stack Height 25mm to 45mm+
- Modular Construction
 - 0.8 IN (85 single ended lines/IN; 43 differential prs/IN)
(Available Today)
 - 1.0 IN (113 single ended lines/IN; 56 differential prs/IN)
- Wafer Configurations
 - Differential
 - Open Pin Field
 - Power
- Electrical Performance based on MULTIGIG RT Tier 2 product
Construction (10 Gig Performance)
- Compliant Pin Technology (Flat Rock Board Assembly)
- Qualified Interface
 - MULTIGIG RT Tier 2 product (Prod Spec 108-2072)
(Qual Report 501-544)
- Selected by
 - VITA 41 Standard
 - VITA 46 Standard

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MULTIGIG RT Stacking Connector

- 3-Piece Stacking Solution
- Utilizes the Standard MULTIGIG RT Tier 2 Backplane Receptacles
- Interposers are built to customer requirements
 - Currently building 30mm and 42mm Stack Height Interposers
 - Other Stack Heights can be built with very short lead-times <6 weeks
- Minimum Stack Height of 22mm
- Maximum Stack Height has no theoretical limit...Practical limit TBD.

MULTIGIG RT Tier 2

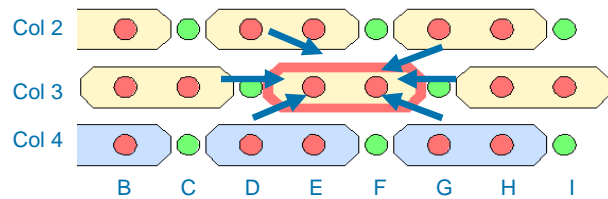
Stacking Product - Documentation

- Interposer Part Numbers
 - 1410195-1 (Spaced for 30mm stack height)
 - 1410196-1 (Spaced for 42mm stack height)
- Product Specification
 - 108-2072
- Application Specification
 - 114-13056
- Instruction Sheet
 - 408-10138

MULTIGIG RT Tier 2 – Stacked Mezzanine Product – Electrical Overview

Worst-case Crosstalk

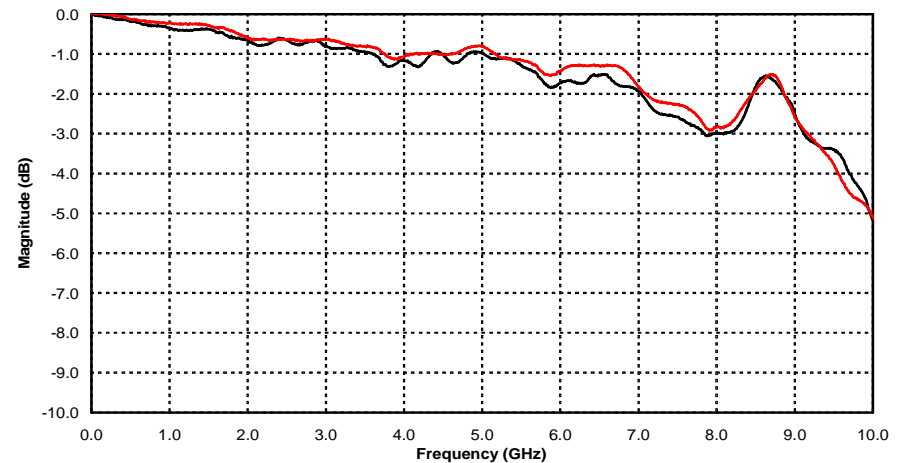
All NEXT	5.2%
All FEXT	4.3%
Recommended pinout	4.6%



Test Data

- Single mated MULTIGIG RT Tier 2 stacked Mezzanine prod., loaded with diff wafers
- 42mm stack height
- 50 ps (20-80%) edge rate
- Includes two 1.6mm [0.063"] vias
- Asynchronous noise sum of peaks from each aggressor, divided by differential swing (A-B).

Differential Insertion Loss



Differential Impedance

