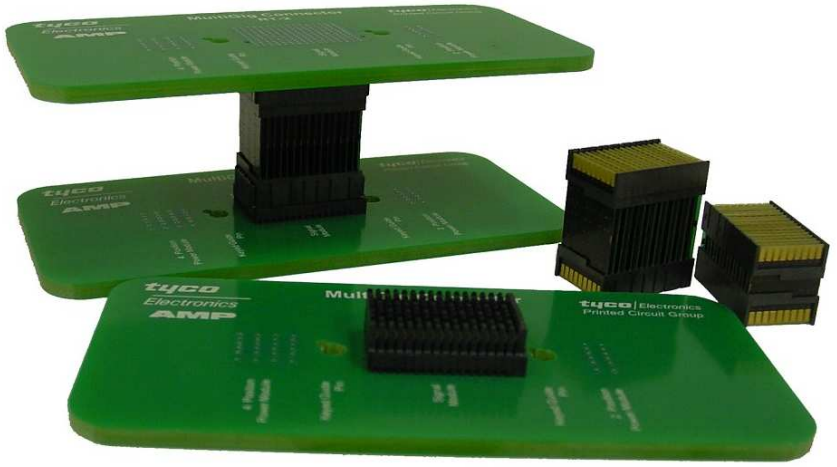
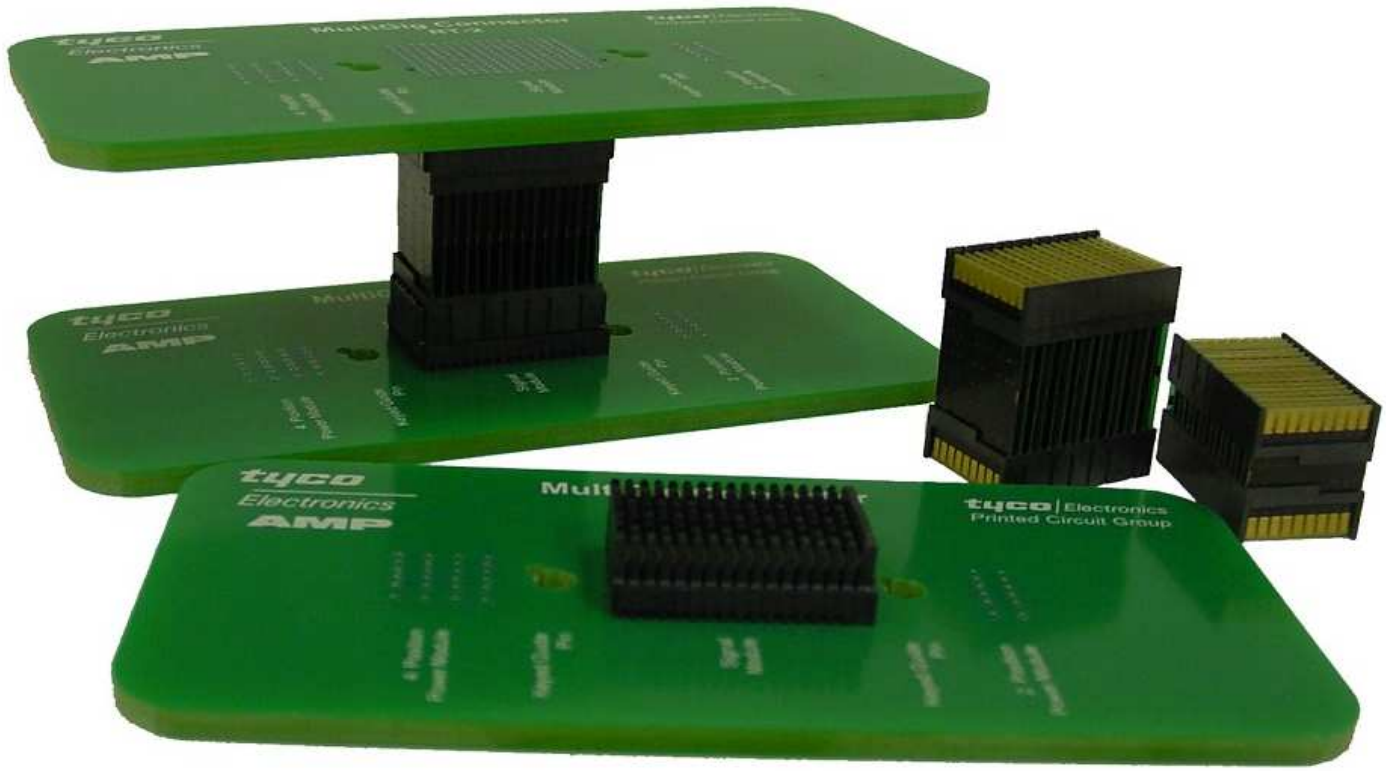
MULTIGIG RT Stacked Mezzanine Product



December 2, 2008

Tyco Electronics

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

MULTIGIG RT Stacking Connector

- 3-Piece Stacking Solution
- Utilizes the Standard Multigig Tier 2 Backplane Receptacles
- Interposer 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

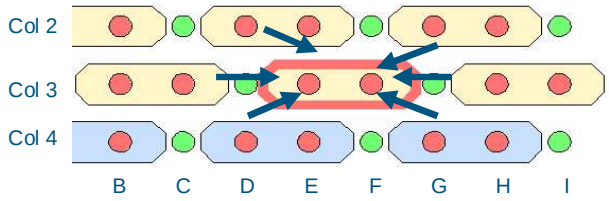
- Application Specification
  - 114-13056

- Instruction Sheet
  - 408-10138

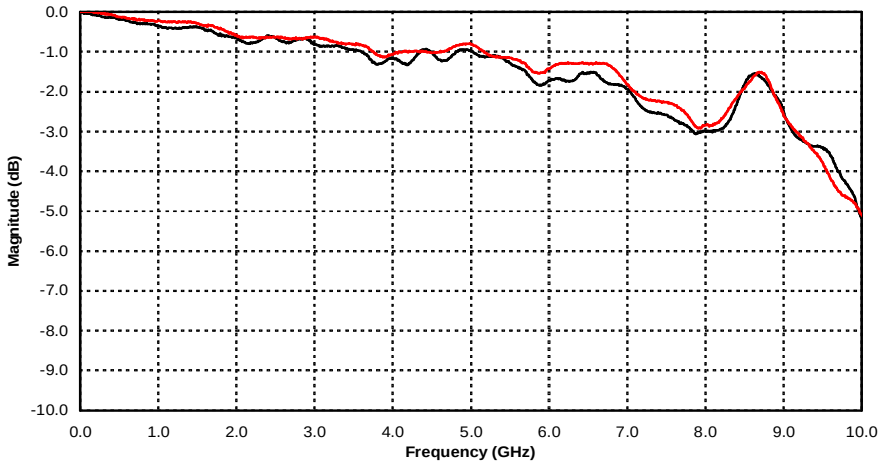
MULTIGIG RT Tier 2 – Stacked Mezzanine Product – Electrical Overview

Worst-case Crosstalk

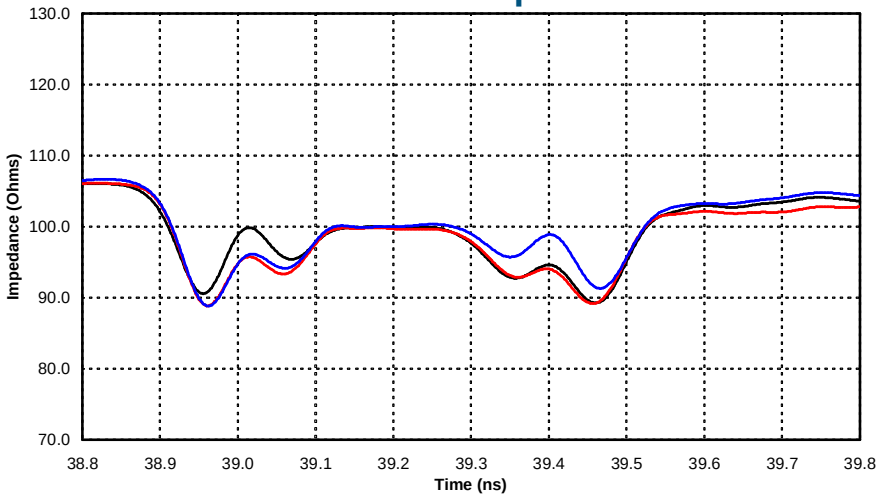
All NEXT	5.2%
All FEXT	4.3%
Recommended pinout	4.6%



Differential Insertion Loss



Differential Impedance



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).