ENGINEERING & DESIGN SERVICES

Signal Integrity Assurance
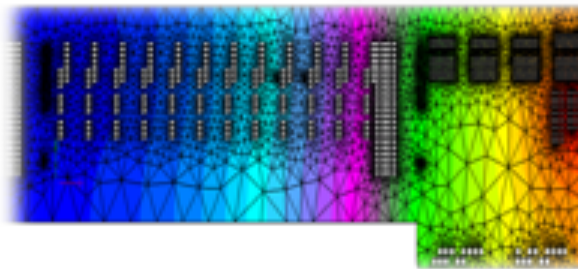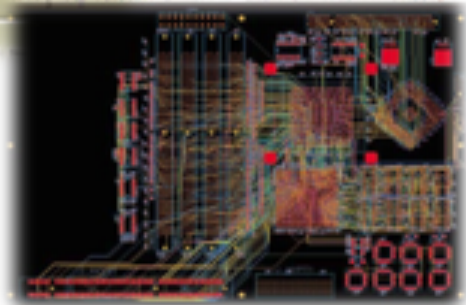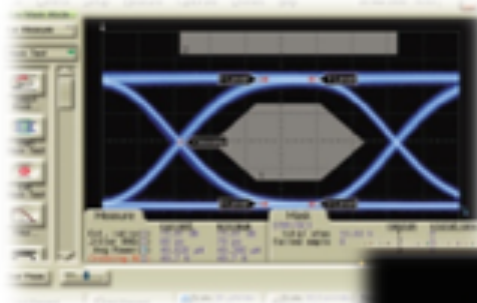
Channel Simulation

• Ansys HFSS

Signal Characterization

• Polar Si9000

Power / Thermal Analysis

• Solaria Thermal + PCB

PCB Design Layout

Schematic Capture

• DX Designer (Mentor)

• OrCAD (Cadence)

Rigid PCB & Flex Circuit Layout

• Xpedition (Cadence)

• Boardstation (Mentor)

• Allegro (Cadence)
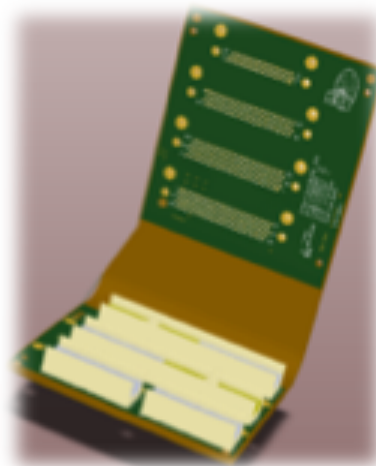
• Altium Designer

Electro-Mechanical Design

Mechanical Design

• Solidworks Premium (Dassault)

• Creo (PTC)

Wiring Design * Interconnect

• Solidworks Electrical

• DFM & DFMA™ Optimization

TTM Technologies
Inspiring Innovation

APPLICATION OF ENGINEERING & DESIGN SERVICES

Conceptualization

Product Configuration & Definition

Interconnect Selection

Preliminary Design /
Feasibility Analysis

New Design

Backplanes / Midplanes

Flex & Rigid-Flex PWBs

Passive RF / Microwave PWBs

CCAs / Daughtercards

Chassis / Enclosures

Redesign / Value Engineering

Cost Reduction

DFM / DFT / DFMA™ Refinement

Reliability Improvement

Weight Reduction

Performance Enhancement

Standards Based Platforms

VME / VME64x / VITA 46 (VPX™)

CompactPCI® / xTCA™

ARINC 404/600

IEEE 1101.x

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