

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

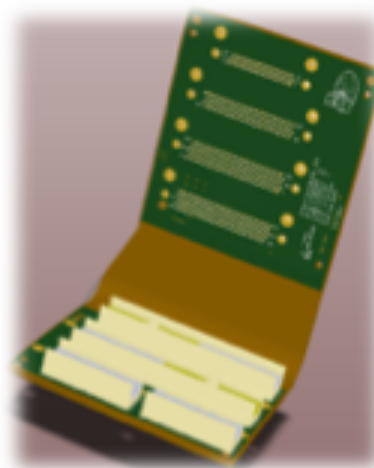
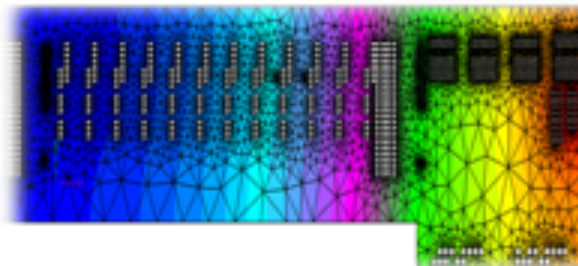
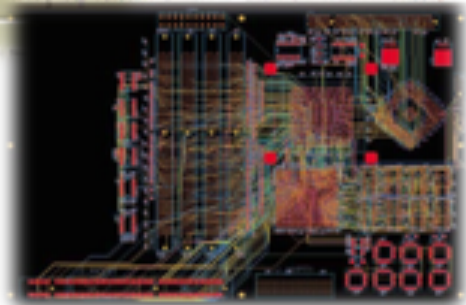
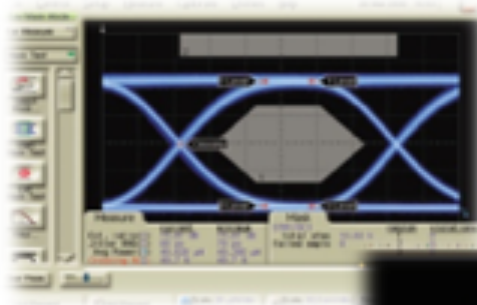
Electro-Mechanical Design

Mechanical Design

- Solidworks Premium (Dassault)
- Creo (PTC)

Wiring Design * Interconnect

- Solidworks Electrical
- DFM & DFMA™ Optimization



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

