

**Hunter Technology**

## Case Study

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# ATCA System Development, Manufacturing & Deployment

## Project profile

Hunter Technology team members from Avnet, Tyco and Mentor Graphics engaged with our client, a world leader in FPGA solutions, to design, manufacture and deliver 100 systems to their customers across 4 continents.

### SCOPE OF WORK:

- 9U ATCA card:
  - Layout PCB on Mentor Graphics Expedition
  - Incorporate Tyco power management on card
  - Hunter PCB fabrication & assembly 5dx, ICT
- System integration, system test, and final documentation & packaging
  - Coordinated rapid supply chain establishment with Avnet
- Logistics and fulfillment
- 6 Weeks from project kick-off to final unit shipment

## Situation

Our Customer sought to gain market opportunity through the deployment of a rapid development system. Systems needed to be designed, manufactured, tested and shipped to their top 100 prospects. Time to market was critically important as was delivery of a highly reliable, quality product.

## Solution

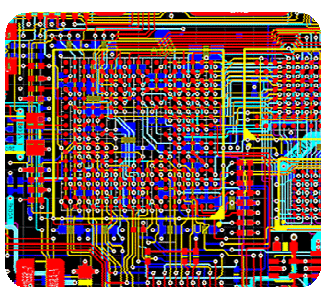
A team consisting of Avnet, Hunter Technology, Mentor Graphics, Tyco Power, and the customer worked together to design a robust 9U ATCA 12 Slot system meeting all of the technical requirements of the scope of work including; Impedance; Operating Speeds; Power Management; Thermal Management; Test and Reliability.

## Benefits

The Hunter Team successfully completed the project on schedule, six weeks from engagement to shipment of the final system, enabling our Customer to establish a dominant market share in the ATCA space. Since the time of this project Hunter enhanced its test and validation offering to include a new Series 5 3070 In-Circuit Tester from Agilent.

### Products and services provided:

- PCB Layout
- PCB Fabrication
- PCB Assembly
- Functional Test Development
- System Integration
- Fulfillment

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