Advanced Backplane and Midplane Fabrication

Leading OEMs rely on Sanmina to integrate the latest innovations in materials, connectors, test, and process technology in the design and fabrication of high performance backplanes and midplanes.

SANMINA FABRICATES THE WORLD’S MOST ADVANCED BACKPLANES

**Manufacturing Capabilities**

- 64+ layers, panel sizes up to 42 inches
- Ultra-high aspect ratio (>30:1)
- HDI, any layer via structures
- Backdrill, blind via formation
- Buried capacitance®
- Buried thin film resistors

**Design Capabilities**

- Design and analysis
- Signal integrity lab
- High-speed backplane design
- Layout and mechanical design
- Thermal analysis
- Advanced connector selection
Signal Integrity

High-speed backplane customers recognize Sanmina's signal integrity expertise. Industry leading knowledge of PCB materials and time and frequency domain analysis enable robust backplane designs.

MISSION CRITICAL APPLICATIONS

For over 55 years, defense and aerospace OEMs have trusted Sanmina with the manufacturing and test of mission critical systems. Our facilities are compliant with military specifications, as well as ITAR and aerospace regulatory requirements. See the map on the rear page.
Customers accelerate time to market with higher quality and reliability as a result of Sanmina’s comprehensive, flexible, and cost effective test coverage.

Comprehensive Suite of Test Equipment
Sanmina has invested in the most advanced test equipment to maximize test coverage for large form factor backplanes using optical inspection, x-ray, electrical, and signal integrity test methods.

World-Class Test Engineering Experience
With decades of experience, Sanmina’s test engineering team is recognized as the best in the industry by leading customers and suppliers of the world’s most advanced backplane test equipment.
Well known OEMs across a wide range of industries trust Sanmina to accelerate time to market and simplify their supply chains with integrated manufacturing solutions for backplanes and systems assembly.

**Integrated Manufacturing Solutions**

**ADVANCED TECHNOLOGY**
- ENCLOSURES
- PCB FABRICATION
- PCB ASSEMBLY
- PRECISION MACHINING
- MICROELECTRONICS
- MEMORY MODULES
- BACKPLANE ASSEMBLY
- OPTICAL/RF
- CABLE ASSEMBLY
- STORAGE DESIGN

**MARKET FOCUS**
- COMMUNICATIONS
- MEDICAL
- INDUSTRIAL
- DEFENSE AND AEROSPACE
- COMPUTING AND STORAGE
- CLOUD SOLUTIONS

**END-TO-END SOLUTIONS**
- DESIGN AND ENGINEERING
- TECHNOLOGY AND COMPONENTS
- NPI AND TEST DEVELOPMENT
- SUPPLY CHAIN AND MANUFACTURING
- FULFILLMENT AND REPAIR SERVICES

Communications  Medical & Industrial  Defense & Aerospace
ABOUT SANMINA CORPORATION
Sanmina Corporation is a Fortune 500 company and a leading global provider of integrated manufacturing solutions, components, products, repair, logistics and after-market services. Recognized as a technology leader, Sanmina provides end-to-end manufacturing solutions, delivering superior quality and support to Original Equipment Manufacturers (OEMs) primarily in the communications networks, cloud solutions, medical, defense and aerospace, industrial and automotive segments. Sanmina has facilities strategically located in key regions throughout the world.

For more information, visit www.sanmina.com
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