

Backplanes: Fabrication, Test & Assembly

Integrated Manufacturing Solutions



SANMINA

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

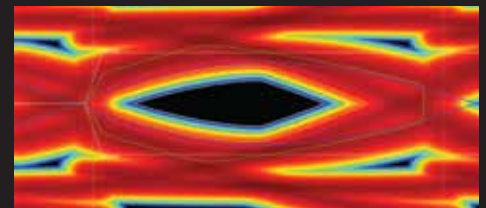
Design Capabilities

- 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.

SUPPORTING CUSTOMER DESIGNS THROUGH 56GB/S



MISSION CRITICAL APPLICATIONS

Defense & Aerospace

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.



Test

Customers accelerate time to market with higher quality and reliability as a result of Sanmina's comprehensive, flexible, and cost effective test coverage.

THE INDUSTRY'S MOST ADVANCED TEST EQUIPMENT SUITE



THE INDUSTRY'S MOST EXPERIENCED TEST ENGINEERS

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.

Backplane and System Assembly

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

SANMINA WORLDWIDE

BACKPLANES, CABLES AND PCB FACILITIES



		AS9100	NADCAP	ITAR	MIL-PRF-55110	MIL-PRF-31032	TL 9000	ISO 13485	IATF 16949	ISO 9001	ISO 14001
Backplanes & Cables	San Jose	✓	✓	✓	✓	✓	✓			✓	✓
	Guadalajara						✓			✓	✓
	Monterrey	✓					✓	✓		✓	✓
	Port Glasgow								✓	✓	
	Zhangpu						✓		✓	✓	✓
PCB	San Jose	✓		✓	✓	✓	✓			✓	✓
	Costa Mesa	✓		✓			✓			✓	✓
	Singapore	✓	✓				✓		✓	✓	✓
	Wuxi	✓	✓				✓		✓	✓	✓

NORTH AMERICA

2700 North First Street
San Jose, CA 95134
Phone: +1.408.964.3500

EUROPE & MIDDLE EAST

Lerchenstrasse 1
91710 Gunzenhausen
Germany

GREATER CHINA

Kader Industrial Building, 5th Floor
22 Kai Cheung Road
Kowloon Bay, Hong Kong

SOUTHEAST ASIA

No 2, Chai Chee Drive
Singapore 469044
Singapore

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
Or email us at info@sanmina.com

Sanmina Corporation is an EEO/AA employer

©2020 Sanmina Corporation. All rights reserved. Sanmina® is a registered trademark of Sanmina Corporation. All other trademarks and product names used in this publication are for identification purposes only and may be trademarks of their respective owners.