



SANMINA

Design & JDM

Providing
Complete,
End-to-end Design
Services



Chennai, India



The Sanmina Chennai facility provides complete design solutions for leading telecommunications, medical, storage & computing, avionics, industrial and multimedia companies. Our facility is well positioned in a Special Economic Zone (SEZ) with zero taxes on both imports and exports. We combine the advantages of a best-cost region with world-class design services for printed circuit board (PCB) layout, test, design for manufacture (DFX), VAVE, component engineering, test engineering, sustaining engineering and New Product Introduction (NPI). Leveraging our global network of manufacturing facilities and robust IT systems, we have reliable testing processes in place to ensure timely product transfer. Sanmina Chennai also provides extensive testing capabilities through our partnership with external compliance, UL and TUV external certification labs. By offering both in-country and region specific design solutions, we also provide expertise for product localization.

Sanmina Worldwide



Engineering Capabilities

- Turnkey Services for Hardware, Software/Firmware
- Linux, RTOS, Android Platforms (Porting, BSP, Drivers)
- PCB & Backplane Design and Layout:
 - Signal & Power Integrity Analysis
 - Power Distribution
 - On-board PSU Design
 - Thermal Analysis
- ICT & ATE Development
- Sheet Metal and Plastic Enclosure Design
- EMC/EMI, Thermal, Cabling & Design for Level 3 Integration
- Modular Solutions Development (Memory Modules - DRAM, Flash,SSD)
- Local Partners for Specialized Services e.g. Industrial Design
- Hardware Obsolescence, SW Sustenance, EOL Support and VAVE
- Third-party Verification & Validation
- Lab View (NI) Skills for Building Platform-based Testers

Testing Capabilities

- Digital Storage Scopes: 60MHz to 4GHz, 12GHz
- Personality Modules: PCIe, SATA and other interfaces
- Ocean Optics Light Measuring Bench
- IR Thermometers
- SMT/BGA Rework Stations
- Agilent 3070 ICT Equipment, Fully-loaded Infrastructure
- IXIA 60 Ports Ethernet Traffic Generator
- Anti-static ESD Protected Lab
- Partnered with FCC & VCCI Labs with 10 Meter Chambers
- AC/DC Current Probe
- DC Electronic Load

Certifications

- ISO 9001
- ISO 13485

- **CABLES**
 - Zhangpu, CN
 - Monterrey, MX
 - Port Glasgow, UK
 - San Jose, CA

- **GLOBAL SERVICES**
 - Bogota, CO
 - Brno, CZ
 - Buenos Aires, AR
 - El Paso, TX
 - Guadalajara, MX
 - Johannesburg, ZA
 - Penang, MY
 - Tatabánya, HU
 - Thailand, TH
 - Juarez, MX
 - Markham, ON
 - Melbourne, AU
 - Mexico City, MX
 - Sao Paulo, BR
 - Basingstoke, UK
 - Kunshan, CN
 - Singapore, SG
 - San Jose, CA
 - Fort Mill, SC

- **DESIGN CENTERS**
 - Carrollton, TX
 - Chennai, IN
 - Colorado Springs, CO
 - Fremont, CA
 - Guadalajara, MX
 - Kanata, OT
 - San Jose, CA
 - Singapore, SG
 - Yasu, JP
 - Huntsville, AL

- **INTEGRATED MANUFACTURING SERVICES**
 - Carrollton, TX
 - Campinas, BR
 - Chennai, IN
 - Fermoy, IR
 - Guadalajara, MX
 - Gunzenhausen, GR
 - Haukipudas, FI
 - Huntsville, AL
 - Kanata, ON
 - Kenosha, WI
 - Kunshan, CN
 - Ma'alot, IL
 - Manchester, NH
 - Örnsköldsvik, SW
 - Pathum Thani, TH
 - Penang, MY
 - Port Glasgow, UK
 - San Jose, CA
 - Shenzhen, CN
 - Singapore, SG
 - Tatabanya, HU
 - Salt Lake City, UT
 - Reynosa, MX

- **PLASTICS**
 - Turtle Lake, WI

- **PCB**
 - San Jose, CA
 - Costa Mesa, CA
 - Singapore, SG
 - Wuxi, CN

- **BACKPLANES**
 - San Jose, CA
 - Guadalajara, MX

- **MECHANICAL SYSTEMS**
 - Austin, TX
 - Fremont, CA
 - Guadalajara, MX
 - Houston, TX
 - Newark, CA
 - Shenzhen, CN
 - Suzhou, CN

ABOUT SANMINA CORPORATION

Sanmina Corporation is a leading integrated manufacturing solutions provider serving the fastest-growing segments of the global Electronics Manufacturing Services (EMS) market. 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 medical, communications networks, defense and aerospace, industrial and semiconductor systems, multimedia, computing and storage, automotive and clean technology sectors. Sanmina has facilities strategically located in key regions throughout the world.

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