PCBA & System Assembly
Pathum Thani, Thailand

Complete PCBA & System Manufacturing Expertise

With over 30 years in Thailand serving customers around the globe, Sanmina's Pathum Thani facility offers high-quality Integrated Manufacturing Services for complex PCBAs and systems. The facility provides customers with end to end services including supply chain design, DFx services, tester design, prototype development, New Product Introduction (NPI), volume manufacturing, direct order fulfillment, post manufacturing repair and warranty. The organization is experienced in the requirements of key markets including Telecommunications, Aerospace, Computing & Storage, Industrial, Medical, Multimedia, Clean Tech and Automotive. The team has decades of experience in manufacturing mission critical PCBAs and systems found in commercial aircraft, elevators, trains, servers and leading edge wireless communications infrastructures. Our state of the art equipment can accommodate 01005 components, BGAs, wide-body boards, conformal coating requirements, clean room assembly, complex RF and optical testing.

MANUFACTURING CAPABILITIES
- State-of-the-Art Robotics, Latest Fuji SMT Lines
- In-line Solder Paste Inspection
- In-line Automated Optical Inspection (AOI)
- X-Ray Inspection
- RoHS Compliance, Lead-Free with Nitrogen Capability
- System Integration and Box-Build Capability
- Low-Volume, High-Mix /High-Volume, Low-Mix Manufacturing
- Build to Order (BTO), Configure to Order (CTO)
- Clean/No-Clean Processes
- Conformal Coating
- Process & Component Traceability
- Wide Body PCBA Capability
- Press-Fit
- Fiber Optics & Micro Electronics Assembly

ENGINEERING CAPABILITIES
- NPI & Product/Technology Transfer
- Prototyping & First Build Support
- Product, Process & Test Engineering
- Component Engineering
- Early Design Involvement – DFx Solutions
- Design & Development Support

TESTING CAPABILITIES
- Automatic IC Programming
- ICT (Inline & Offline), Flying Probe, Boundary Scan
- Functional Tester Design, ATE Turnkey
- Hi-Pot Test
- 16 Reliability Chambers for ESS, Burn-in, ORT HALT, HASS
- Test Software Development
- Test Fixture Design

TECHNOLOGIES
- Flip-Chip
- Lead-Free Processes
- BGA, µBGA, PGA and LGA
- Selective & Wave Soldering
- Ruggedization
- AIV Material Handling

LOGISTICS SERVICES
- Direct Order Fulfillment
- Warehousing and Distribution
- Post-Manufacturing Repair/Warranty

CERTIFICATIONS
- ISO 9001
- ISO 14001
- ISO 45001
- TL 9000
- AS9100
- IATF 16949
- TS 22163
- IPC-A600/A610/A620
- ANSI/ESD S20.20 Compliant
- PRI Nadcap
- UL, CSA and TÜV

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.