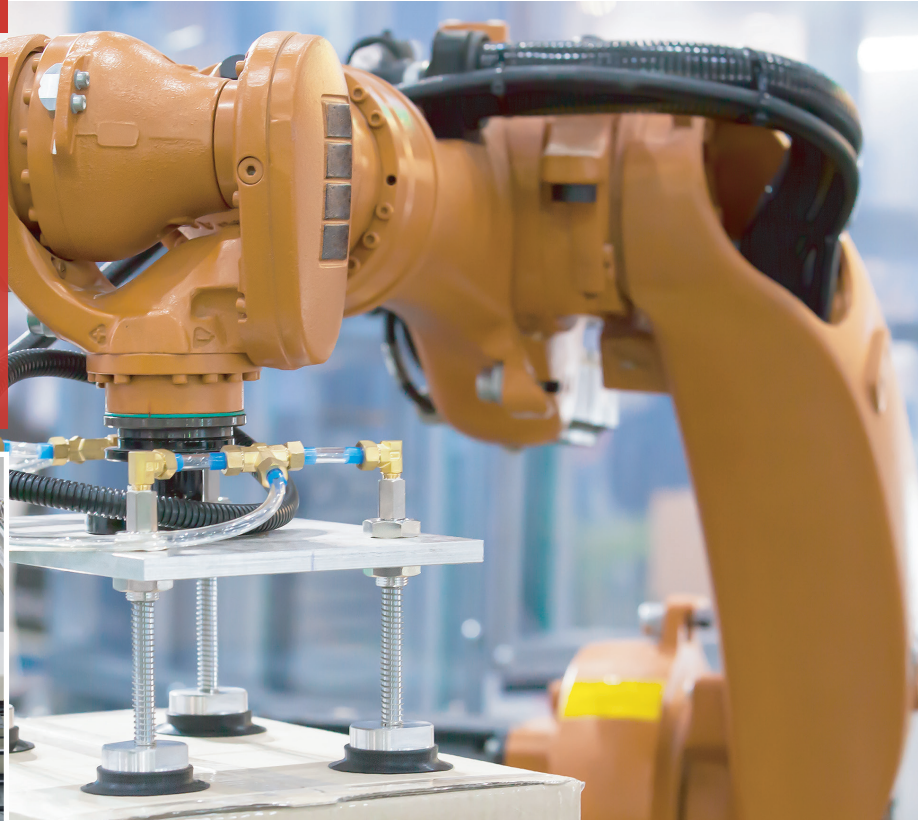# Sanmina Global Services (SGS)

Direct Order Fulfillment After Market Services

Pathum Thani, Thailand

The Sanmina Global Services facility in Pathum Thani, Thailand provides comprehensive logistics and repair services for a broad range of mission critical products including payment terminals, mobile computing, scanner, printer and wireless (RF) products. The facility combines skilled engineering, low-cost labor and strong I.T. infrastructure to provide superior forward and reverse logistics services. It offers a broad range of logistics and repair services including direct order fulfilment, configuration, integration services, inventory management programs, after market and end of life solutions.

Four levels of repair are provided including Level 1: Unit swap, software re-load & cosmetic repair; Level2: sub-assembly replacement & re-test; Level 3: sub-assembly repair including PCBA, display & scanners; Level 4: component repair on a sub-assembly including PCB pad & track repair, BGA repair including underfill, recovery, harvesting & testing of components.

Logistics Services
- Lead/lead-free processes
- Clean/no-clean processes
- Hardware and software integration
- Full traceability from components to packing
- Box build
- Handle from BGA down to CSP
- Chip on Flex
- Rigid Flex

Engineering Capabilities
- Support NPI such as DFx, DFT and JDM
- ICT and FCT engineering
- Reliability and failure analysis

Testing Capabilities
- Configuration validation test
- ICT/HALT/HASS fixture fabrication
- HALT/HASS profile design
- AOI, AXI
- Flying probe for prototyping

Technologies
- 0201 chip placement and ready for 01005
- Double-side, double-reflow soldering
- 16 mils pitch placement
- Solder paste on PTH
- Press-fit technology
- Super high-speed placement machine
- Failure analysis lab

Logistics Services
- Supplier-managed inventory
- EDI, JIT
- Warranty and repair services
- Custom ship groups

Certifications
- AS9100
- PRI-Nadcap
- ISO 9001
- ISO 14001
- OHSAS 18001
- TS 16949
- TL 9000
- ISO 13485
- ESD S 20.20

Sanmina Worldwide

Pathum Thani

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.

For more information, visit www.sanmina.com.