



SANMINA-SCI®

High-technology manufacturing of complex printed circuit boards (PCBs).

PCB Fabrication

Penjuru, Singapore

Offering one of the most comprehensive PCB product portfolios in the industry.



FACILITY FOCUS

The Sanmina-SCI® Penjuru, Singapore, facility offers a strong engineering support capability with a product focus on high-density printed circuit boards (PCBs) with mid- to high-layer count. Singapore's niche is high-mix, low-volume production with high emphasis on quick turnaround (QTA) to production. Serving the key market segments of optical, micro-electronics, automotive, instrumentation, medical, defense and aerospace, the Penjuru facility provides one of the most comprehensive PCB product portfolios and product migration paths in the industry.

With a strong technical and engineering focus, the facility supports New Product Introduction (NPI) with "fast response manufacturing" services, QTA and customer support in new product development and new technology offerings. Key elements of the operations strategy for the Penjuru site are to ensure that capacity and manufacturing capabilities are established early to facilitate customer product transition to and within Asia. This strategy also includes regionalization of overhead functions to make doing business in Asia easy for the customer by establishing commonality in systems, tooling and procedures.



Manufacturing Capabilities

- Mid- to high-layer count (2 to 28 layers)
- Aspect ratio 12:1
- Control impedance
- Depth and laser drilling
- Sub 3 mils lines/space
- Via-in-pad interconnect
- Wide range of surface finishes including bondable
- Lead-free, halogen-free materials

Engineering Capabilities

- New Product Introduction (NPI)
- Design for Manufacturing (DFM)
- Product, process and quality engineering

Testing Capabilities

- Flying probe
- Surface insulation resistance
- AOI and IST
- Universal and dedicated testing

Technologies

- Rigid Flex/HVRFlex™
- Heavy copper
- Advanced materials, hybrid construction
- Embedded passives
- HDI, multiple level interconnects
- Mixed surface finishes

Logistics Services

- Direct order fulfillment
- Consignment and warehousing
- Global technical and customer service

Certifications

- Telcordia
- TS 16949
- TL 9000
- ISO 9001-2000
- AS9100
- ISO 14001



Asia Pacific
+65 62457300