

## ► PWB Assembly Service

C<sup>2</sup>I<sup>2</sup> Systems has a Printed Wiring Board (PWB) Assembly Facility at its premises in Kenilworth in the southern suburbs of Cape Town, South Africa. We offer a wide range of services for low to medium volume contract manufacture of board-level electronic products and can cater for extremely high quality requirements. Our operators and inspectors are certified to international IPC-610 standards.

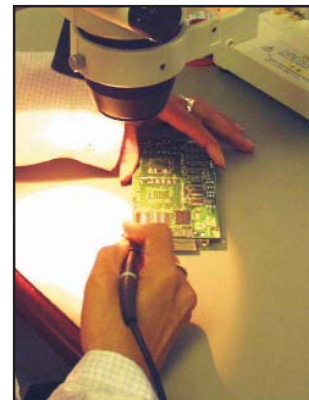
We can also offer assembly services for both rapid prototypes of both printed wiring assemblies as well as for specialised cable assemblies.

### Capabilities

- Schematic Capture and PCB Layout
- Component and PCB Procurement
- Surface Mount PWB Assembly (including Fine-Pitch Components) to J-STD-001
- Through-Hole PWB Assembly to J-STD-001
- Prototype PWB Assembly
- Full Production PWB Assembly
- Specialised Cable Assembly
- Post-Assembly Functional Testing
- Environmental Stress Screening (ESS)
- Rework to IPC-7711 A
- Production PWB Modification to IPC-7721 A
- Quality Inspection to IPC-610 Class 3
- Build History and Traceability - Documentary and Photographic
- Full Configuration Management
- Production Volumes : Low to Medium

### Environmental Stress Screening

Vibration : Random; 20 Hz to 2 kHz at 0,04 g<sup>2</sup>/Hz  
Temperature : -40 C to +90 C



Highest Quality Workmanship



Assembly According to Customer Requirements



Quality Inspection



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### RoHS Compliance

RoHS is the European Union Directive 2002/95/EC : "Restriction of Hazardous Substances".

We are equipped to handle both RoHS and non-RoHS compliant products.

### Standards

IPC EIA J-STD-001 C	:	Requirements for Soldered Electrical and Electronic Assemblies
IPC-7711 A	:	Rework of Electronic Assemblies
IPC-7721 A	:	Repair and Modification of Printed Boards and Electronic Assemblies
IPC-A-610 B	:	Acceptability of Electronic Assemblies
ISO 9001:2000	:	Quality Management Systems

### Contact

For more information contact :

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