

Manufacturing Capabilities Overview

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Eclectic Components offers you a broad range of manufacturing services, based on your needs. If you need something more specific, then talk to us.

Complete Manufacturing Service - Including parts provision, supply chain management, supply chain development, assembly and test.

Partial Manufacture - Assembly from free-issue components or bought-in parts.

Analogue and Digital electronics system design. PCB and sub-assembly build to high integrity standards.

IPC-A-610D - IPC/WHMA – A-620A - IPC class 3 build standards are required to be exceeded for certain customers. Built by hand for high integrity

Eclectic Components Ltd also offers a wide spectrum of design possibilities

- Full design authority
- Involvement in design – technical input in system and/or design for manufacture.
- Configuration control – no system design, but management of the design file for manufacture.
- Compliance Design – EMC Compliance, CE Marking, Mil Spec etc

Box-Build

- A significant part of Eclectic Components Ltd's output is electronics and electrical systems combined into a COTS or bespoke housing.

Software: in-house capability and bought-in partner services

- Embedded systems C#/Asp.Net, C++, C, PERL, among others
- Speech Recognition

Cables and Connectivity

- small batch-size cabling harnesses where there is some bespoke requirement.
- Connectivity of all types.
- Multi-core/Multi-pole
- RF, COAX, Fibre Optics (FO is soon)

PCB Testing using in-house and 3rd party managed resource

- Thermal ESS
- Vibration testing
- ASMET