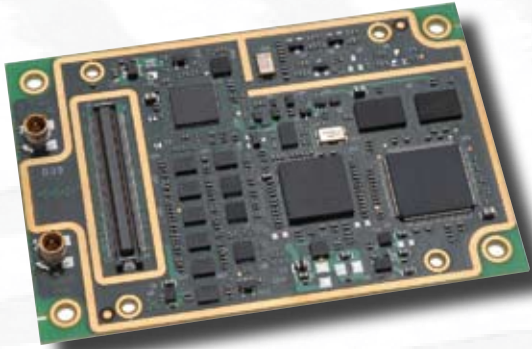




MicroTechnology

PCB Assembly Service



C-MAC MicroTechnology is a world leader in microelectronic solutions for harsh environments. We also have the technology and skills to offer a complete PCB assembly service for aerospace, defence, medical and other specialist applications.

We can supply product fully-tested, as a sub-assembly or as a complete box build.

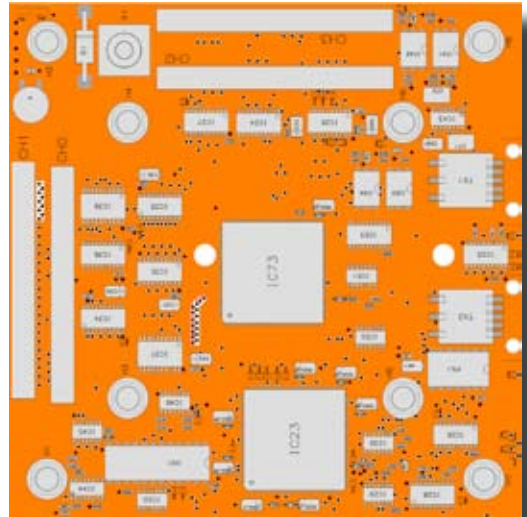
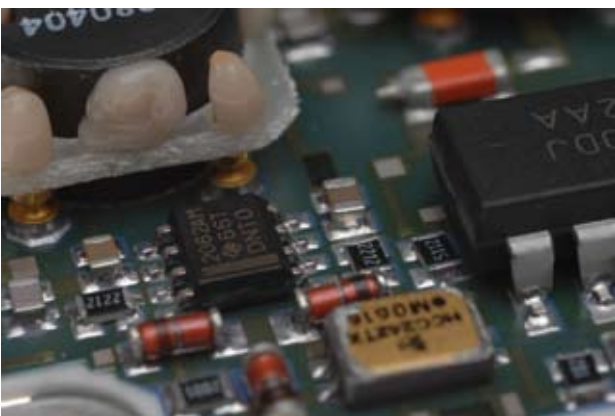


OUR COMPREHENSIVE SERVICE INCLUDES:

- » CAD layout from schematic and bill of materials
- » Design simulation tools
- » Fast turnaround prototype service
- » Full engineering support
- » Obsolescence support

OUR EXPERTISE COVERS:

- » IPC 610C certified production operatives
- » Product qualification via independently accredited Test House
- » Low to medium volume production
- » Precision solder cream printing
- » Fully automated optical inspection (AOI)
- » Chip on Board (COB) - mixed technologies
- » Flip-chip attach and under-fill
- » Epoxy dam and fill or silicone encapsulation
- » Real time X-ray inspection
- » Selective wave soldering for through-hole components
- » Conformal coating for humidity & dust protection
- » Full flying probe and bed-of-nails testing
- » Precision placement to 12 micron accuracy
- » Robotic soldering system with auto-feed solder wire



PCB layout designed with Pantheon software

OUR PCB ASSEMBLY PROCESSES INCORPORATE:

- » Board sizes up to 460mm x 410mm
- » FR4 or duroid based
- » Component placement to 0201 body size
- » Four SMT lines
- » Placement rates 5,000 - 12,000 per hour design dependent
- » Auto and semi-auto BGA attach with full rework capability
- » Surface mount technology using RoHS compliant and SnPb solders
- » No-clean and aqueous fluxes

For further information contact us at:

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Email: info@cmac.com



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