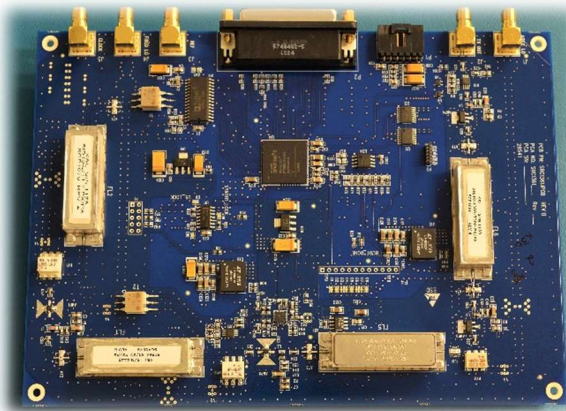


Hardware Design Services

C Speed has extensive capabilities and experience in system architecture, analog hardware design, commercial off-the-shelf or custom component integration and testing. From high-speed circuitry to FPGAs and ASICs, we can design and build the custom hardware and system solutions to meet your product requirements.

ANALOG DESIGN

- ★ RF circuit design expertise
- ★ Time and frequency domain modeling
- ★ Signal integrity analysis
- ★ Model verification & validation
- ★ Extensive RF lab testing capability



PRINTED CIRCUIT BOARD DESIGN

- ★ Full-service design capability
 - Part selection and block diagram
 - Schematic capture
 - PCB Layout
 - Fabrication and assembly drawings
 - Release to manufacturing
- ★ High-end PCB design experience
 - RF/high-speed design, impedance control, length matching
 - High density/signal count routing – BGA/CSP, DDR3, etc.
 - Complex power supply circuit/board design
- ★ Design for Manufacturing expertise

PRODUCT INTEGRATION

- ★ Mechanical constraints/co-design
 - Keepouts, mounting, connectors, thermal solutions, etc.
- ★ CE and FCC Certification
- ★ UL Testing

