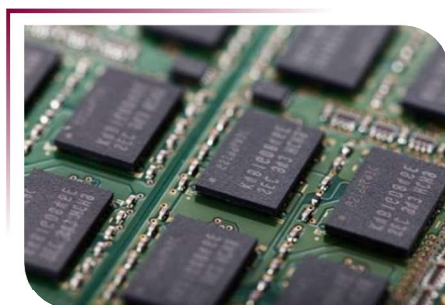


FPGA / Digital Design Services

Digital design is more than just VHDL and Verilog - it's having the experience and ability to build high-quality implementations that form the foundations for your products. With our expertise, C Speed is the right partner for your digital design needs.

DESIGN & IMPLEMENTATION

- ✦ Extensive FPGA experience with Xilinx, Altera, Microsemi/Actel, and more
- ✦ Xilinx Alliance Program Associate Partner
- ✦ Digital signal processing
- ✦ Interface design including USB, PCI, PCIe, VME, Ethernet, I2C, SPI, UART, etc.
- ✦ Co-design with embedded processors: Zynq, PowerPC, Microblaze, Nios, and others
- ✦ Integration of existing IP
- ✦ Timing closure and low-level timing optimization expertise



ALLIANCE PROGRAM
ASSOCIATE

VERIFICATION

- ✦ Extensive requirements-based simulation experience with bus functional model development, use of 3rd-party verification models and assertion-based testing
- ✦ Code coverage analysis
- ✦ Static timing analysis
- ✦ Verification procedure development, execution and report generation

PROJECT DEFINITION & PLANNING

- ✦ Requirements capture, management and traceability
- ✦ DO-254 compliant process
- ✦ Design and coding standards
- ✦ Problem reporting and change control
- ✦ Configuration management

