About

Oceanside PCB LLC offers complete Printed Circuit Board Layout services custom tailored to your company's specific projects and processes. Working remotely or on-site, we support all major ECAD software platforms. Whether operating independently or integrated with your engineering team, we deliver highly accurate and functional PCB layouts on schedule and within budget.

Our Layout Engineers hold IPC CID+ credentials and a strong depth of experience. With a combined 25 years in service bureau, OEM, and semiconductor companies, our Engineers have been exposed to almost every area of the electronics industry including high-volume commercial and medical, aerospace, rugged military, laboratory, test, mineral exploration, 1-60Gz RF – SATCOM/Infrastructure, and more.

ITAR Compliant - ISO9001:2015 - CMMC Level 2 Ready

Capabilities

CAD library Management - Accurate component land pattern symbol creation meeting IPC guidelines for appropriate reliability and manufacturing requirements.

Component Placement - Component placement solving both electrical performance and packaging challenges.

Board Stack-Up Planning - Board stack-up planning to balance manufacturing capabilities with end-use requirements, signal integrity, and EMI.

Power Delivery Network - Switching power supply, and power plane layout considering thermal, high-current, low-voltage, SI and EMI.

Signal Routing - Applying best practices in analog, RF, high-speed digital, and mixed signal routing. Experienced with the latest software capabilities for increased efficiency.

Manufacturing Data Package - Complete manufacturing data package creation including formal bare board fabrication and assembly drawings reflecting the critical requirements of your specific application.

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Supported Software

    Cadence –

        OrCAD Capture/PCB Designer

        OrCAD X Capture/PCB Layout

        Allegro PCB Designer*

    Siemens –

        PADS Standard Plus

        PADS Professional*

        Xpedition*

    Altium –

        Altium Designer Pro

    Dassault Systemes –

        SOLIDWORKS CAD

    Autocad –

        AutoCAD LT

    PCB Libraries –

        Footprint Expert

*Currently available on a project basis, additional fee may apply