

NEO Tech Engineering Services - Electronic Design

PCB Layout & Design



Design Tools:

Altium / Cadence / Mentor

Mechanical:

SolidWorks / Pro E / Altair

Test:

LabVIEW / TestStand / Testjet

Simulation:

Hyperlynx / Microwave Office

Design for Excellence

DF(x):

- SC (Supply Chain)
- DFM (Manufacturing)
- DFT (Test)
- DFA (Assembly)
- DFE (Environment)

Buffet Style: Choose The Capability You Need

Product Design

- Full Turn Key or Buffet
- PCB Layout
- Low Power Usage
- Long Battery Life
- Schematic Capture
- RF & Analog
- FPGA Design
- 3G / 4G / LTE
- Wi-Fi & Bluetooth
- Microprocessor
- DF(x)
- Power Supply Design
- Software & Firmware
- Apps
- Senior Design
- System Architecture

Re-Design / EOL

- EOL Components
- BOM Cost Analysis
- Improve Off Shore Design
- Feature Addition
- PCB Fixes - Embedded white wires
- Power Reduction
- Chip Set Selection
- RoHS Conversion
- Software Updates
- Thermal Analysis
- Improved Performance
- Software & Firmware
- Enclosure Changes

Test Solutions

- ICT
- Boundary Scan
- Functional Test
- Lab View
- DFT
- Test Strategy
- Tester Development
- Improved Coverage
- Flying Probe
- Test Pad Layout
- X-Rays
- AOI / SPI
- HALT / HASS
- ESS

Proto-Type

- 24 Hour Turn
- Dedicated Technicians
- Flexible Scheduling
- Quality Build with Production in mind
- Component Kitting
- Component Analysis
- Flexible Line Time
- SMT - PTH
- Second Operations
- Wave / Selective Solder
- Mechanical Assembly
- Test

NEO Tech Engineering Services - Mechanical Design

Mechanical Tools:

SolidWorks / Pro E / Altair

Industrial Design Tools:

Adobe Creative Cloud
Autodesk Sketchbook
KeyShot

Mechanical Simulation

LS-Dyna
SolidWorks Simulation
Altair

Buffet Style: Choose The Capability You Need

Marketing

- Strategy
- Trend Research
- Focus
- Target Audience
- Product Marketing Materials
- Brainstorming & Storyboards

Industrial Design

- Human Factors / Ergonomics
- Design Hierarchies & Strategy
- Aesthetics
- Product Styling & Graphics
- UI / UX Design
- Serviceability

Mechanical Design

- Analytical Engineering
- Machine Design
- Plastics Design
- Metal Design
- Finishes
- SolidWorks Automation
- Enclosures

Proto Typing

- Plastics
 - SLA
 - SLS

Testing / Validation

- Materials Research
- Chemical Research
- Surface Chemistry Physics
- DFMEA
- Phase Gates
- Thermal Analysis

Software

- Applications
- App Development
 - IOS
 - Android

