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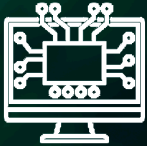
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PALPILOT

HARDWARE ENGINEERING



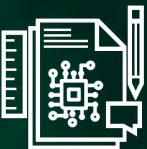
NEW SCHEMATIC CREATION & EXISTING SCHEMATIC MODIFICATION

- Symbol Development
- OrCAD Schematic Development
- Netlist Output Files for Layout
- Component Engineering
- Hardware Design Consulting



SCHEMATIC REVIEW

- High Speed Signals
- Critical Components
- Clock Schemes
- Symbol Verification
- I/O Configurations
- BOM Generation



PCB LAYOUT DESIGN

- eCAD / mCAD Library Creation
- High-Speed Critical Trace Routing
- PCB Stackup
- RF Signals Trace Routing
- Impedance Control
- Signal & Power Integrity



APPLICATIONS

- Industrial Controllers
- Embedded / Wireless System Design
- SMB Security Hardware
- ASIC Reference Designs
- ASIC Validation / Testing Boards
- Networking Hardware Design
- Consumer Electronics
- IoT
- Autonomous System

TECHNOLOGY

DDRx, PCIe Genx, Microprocessor, Microcontroller, 1Gb / 10Gb / 100Gb Ethernet, SDIO, USB, UART, SPI, I2C, MIPI, HDMI, CAN, LVDS, Fiber Optics, DC/DC Converters
WiFi / Bluetooth Modules, Sensors, Wireless

