



SATURN
PCB DESIGN, INC
Turnkey Electronic Engineering Solutions



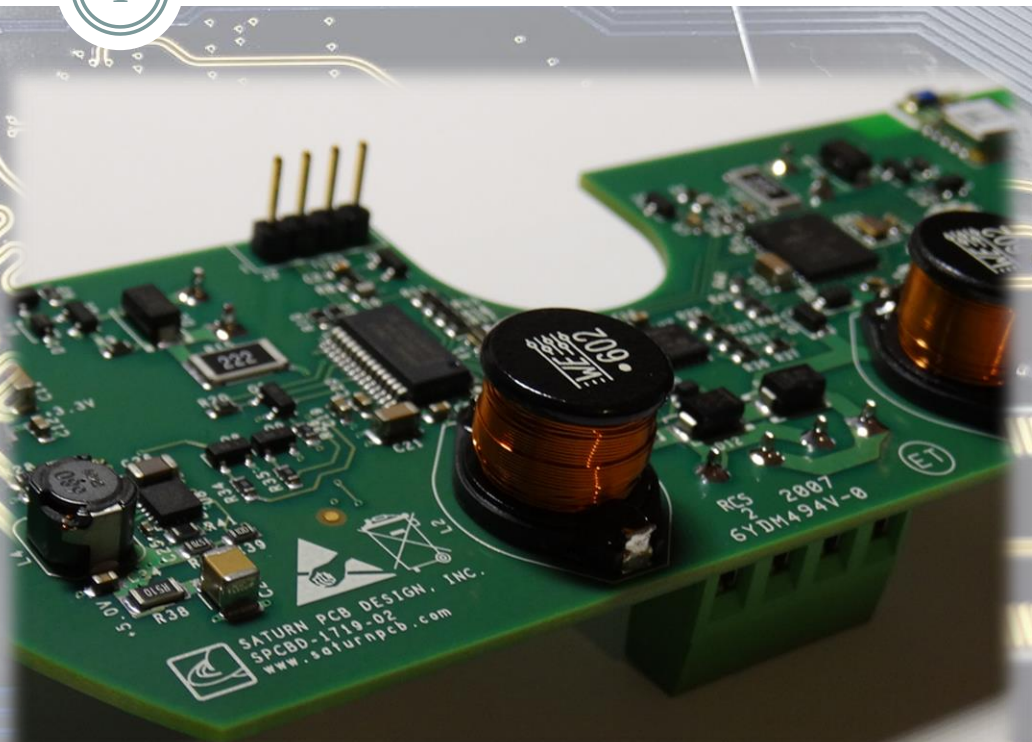
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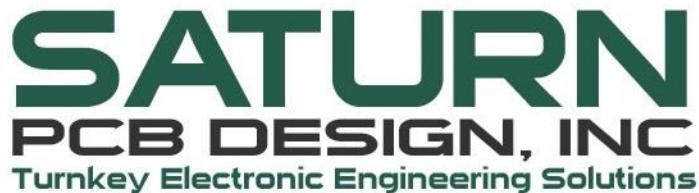
Company Presentation

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PCB Design service and turnkey
electronic engineering solutions.

***Our engineering experience
and knowledge can make your
ideas happen!***





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Mission Statement

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To provide the best quality PCB design and electronic engineering services available.



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Company Attributes

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Here are just some of our many company attributes:

- Full turnkey electronic engineering solutions that cover your project from concept to production
- Military, aerospace, medical, automotive and commercial design experience
- Highly knowledgeable team of electronic engineers and PCB designers
- Experts in RF PCB design, high speed digital design and microwave electronic design
- Member of IPC designer's council with PCB design certification
- Solid PCB manufacturing and assembly knowledge for superior design performance
- Great communication with customers and comprehensive online design reviews
- Exceptional turn time on projects to help meet customer deadlines
- Competitive prices on all of our services
- Complete confidentiality of your projects and IP
- Customers worldwide!



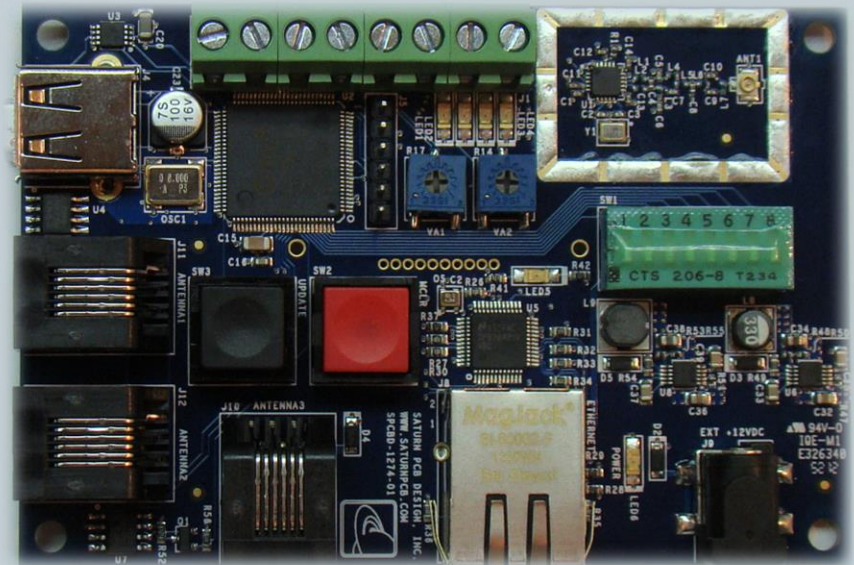


Services Overview

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Saturn PCB Design offers a wide array of services to meet your project needs.

- Printed Circuit Board Design
- Product Development
- Electronic Engineering
- RF Engineering & PCB Design
- PCB Manufacturing
- PCB Assembly
- Design & Manufacturing Consulting
- RF & Digital PCB Simulation
- Mechanical design & 3D Printing





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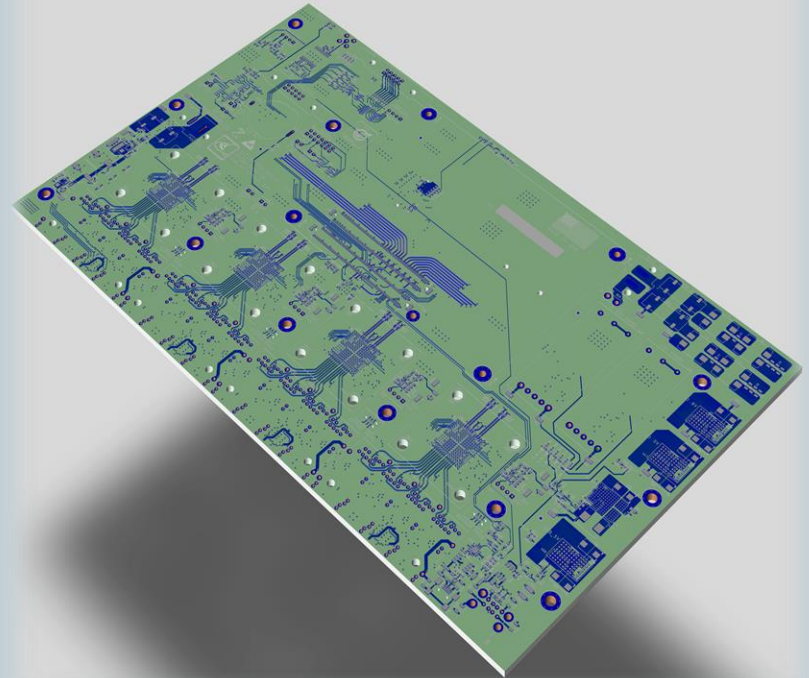


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Printed Circuit Board Design

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- High speed, multi layer PCB designs
- High frequency RF / Microwave PCB designs
- Low level analog PCB designs
- Ultra low EMI designs for MRI applications
- Fully constraint driven designs
- DDR2, DDR3, DDR4 memory designs
- Backplane, HDI, uVias, B&B Vias, uBGA...
- Impedance controlled designs
- Professional fabrication documents
- Top-tier industry tools for superior work

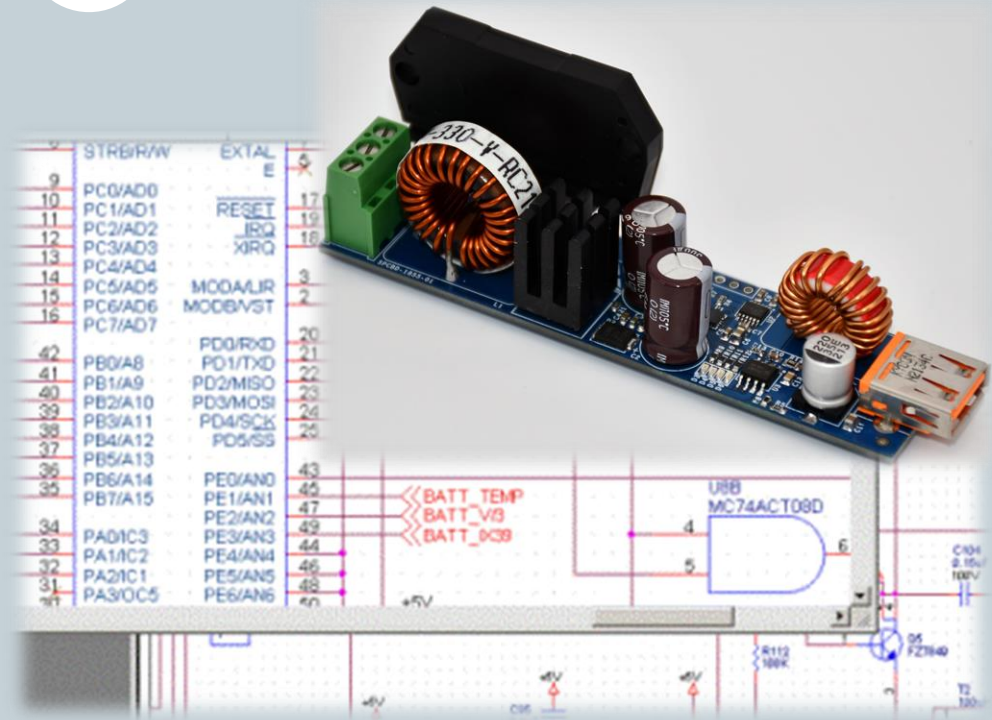




Product Development & Electronic Engineering

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- Full turnkey product development
- Analog and digital circuit design
- FPGA design and coding
- High-Power designs
- Audio designs with THD testing
- Analog / Digital simulation
- Touch screen design and coding
- Schematic capture / BOM creation
- Software development - PC
- Firmware development – Embedded

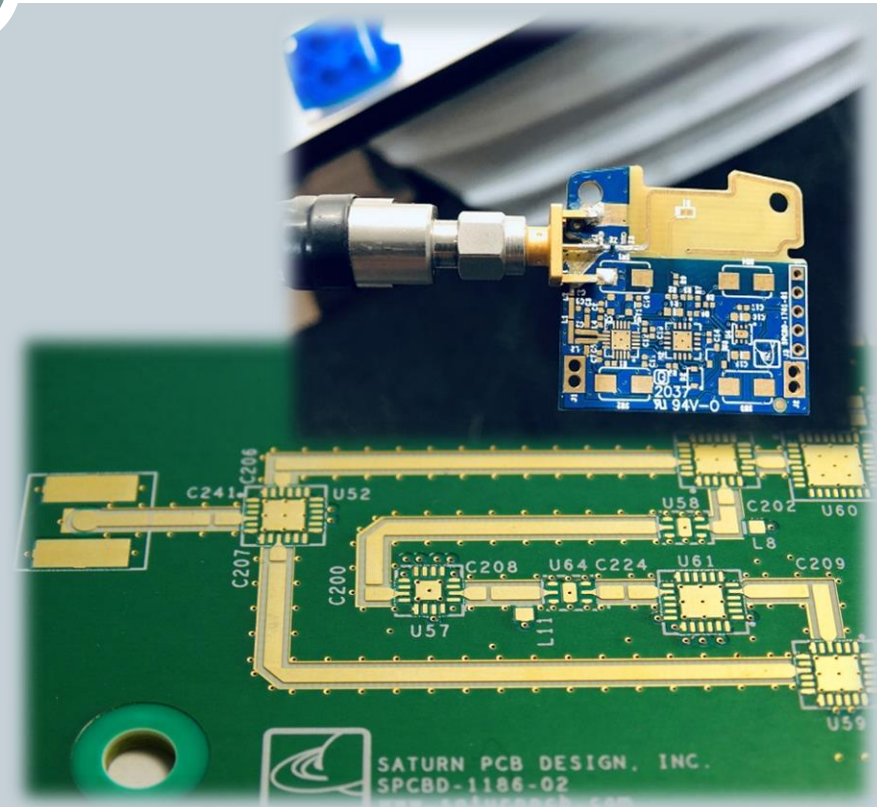




RF Engineering & PCB Design

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- Packet radio transmitters & receivers
- RF Amplifiers, gain blocks, attenuators...
- PCB Antenna design. PIFA, Monopole...
- Antenna tuning and impedance matching
- RF Simulation in HFSS
- Solid understanding of RF PCB substrates
- Prototype building
- Bench testing and debug
- Full turnkey production of finished product





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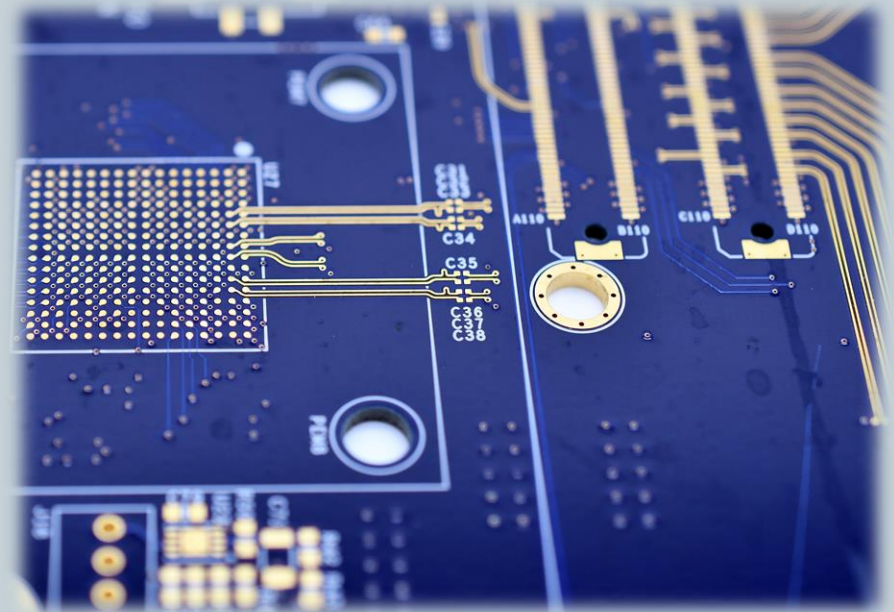


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PCB manufacturing

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- High quality PCB manufacturing
- Military, aerospace and commercial applications
- Wide array of substrates
- Small prototype runs
- Large scale production runs
- ENIG, Immersion Silver, LF HASL...
- Edge plating, plated slots
- Blind / Buried microvias
- Class 3 Manufacturing
- Fast turn times
- Affordable prices!





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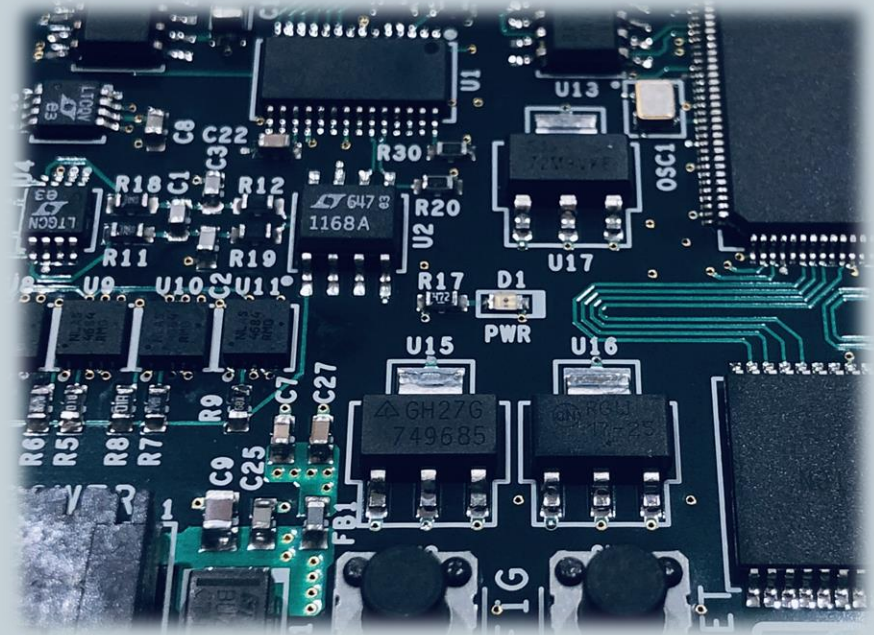


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PCB Assembly

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- Full turnkey assembly
- Parts procurement and purchasing
- Fast prototype quantities
- Large production quantities
- Lead free PCB assembly
- Automated optical and X-ray inspection
- Full inspection and testing
- Firmware programming
- Class 3 Assembly

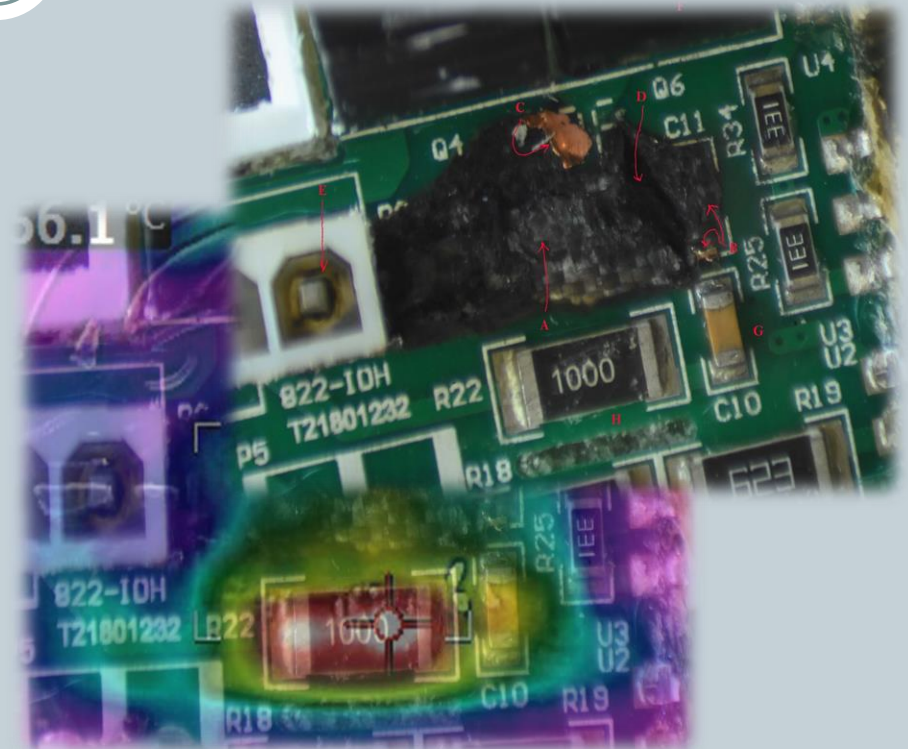




Engineering Consulting

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- Full design review for functionality
- Failure mode analysis
- Firmware review
- Bench testing of hardware for analysis
- PCB review for manufacturing issues
- PCA review for assembly issues
- Gerber file review for manufacturing
- Thermal imaging and bench testing
- Complete report generated for review

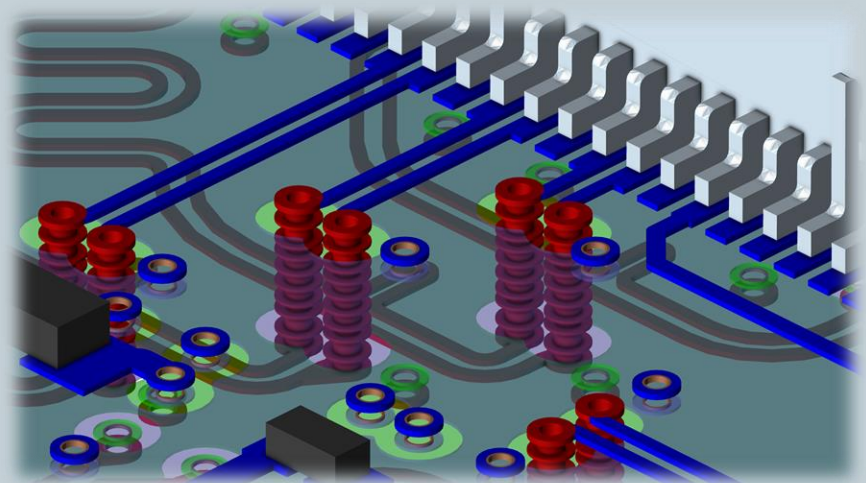
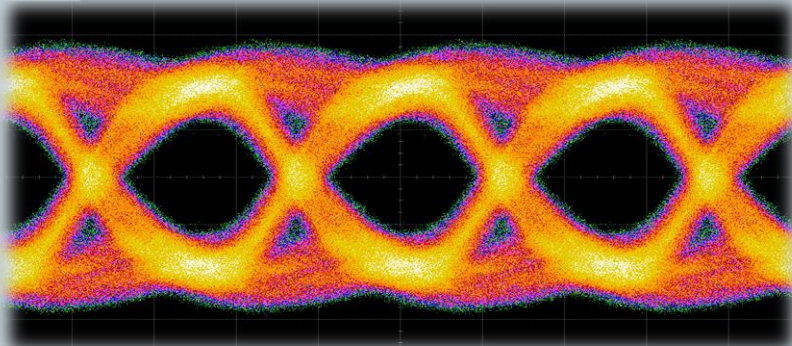




RF / Digital Simulation

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- RF Simulation and testing
- HFSS Simulation for various parameters
- HSD Simulation using Hyperlynx
- Return loss, port Z_0 & VSWR results
- Eye diagram and signal oscilloscope view





Mechanical design & 3D Printing?

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- Enclosure designs in Solidworks
- ABS, PLA, PTEG 3D prints
- Professional printer for superior results





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Why choose Saturn PCB Design?

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With over sixty years experience, our team can be your complete design outsourcing partner to meet all your project needs.

We are considered one of Florida's top PCB design and turnkey electronic engineering service companies. Our specialties include PCB design, RF circuit design, digital circuit design including FPGAs and low-level analog circuit design. We offer competitive rates, quick turnaround times and a personal commitment to ensure a quality working product.

Though located in Florida, customers worldwide trust us with their projects. Please feel free to contact us at any time to discuss how we can help you.



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Cybersecurity

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- ITAR Registered
- DFARS 7012 Compliant
- FAR 52.204-21 Compliant
- CMMC, Level 3 Compliant
- NIST 800-171 Compliant
- Microsoft Office365 GCC High Installed
- MLOA Token Acquired
- All data stored on secure servers
- Govt. email: sales@saturnpcb.onmicrosoft.us





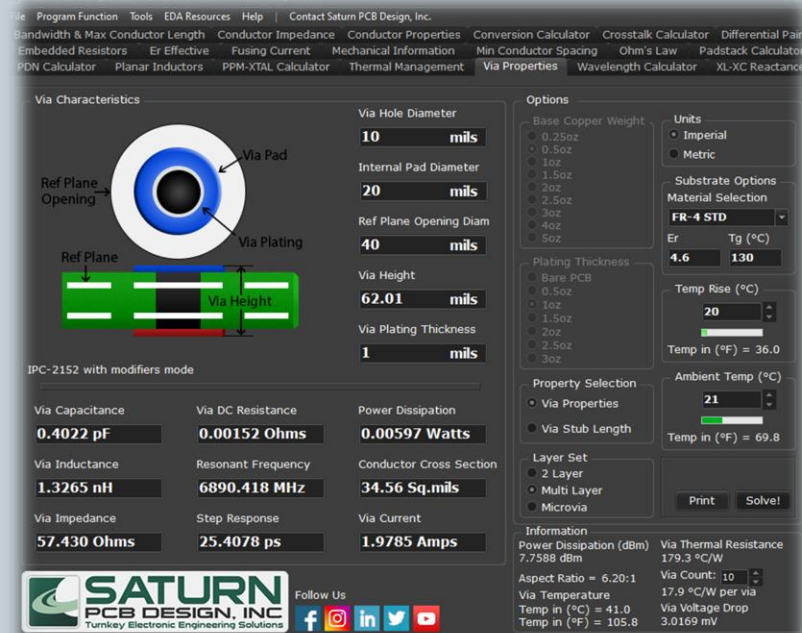
Custom Software

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The Saturn PCB Toolkit is a free software download to help designers and engineers determine PCB characteristics such as impedance and maximum current for vias and conductors.

Please feel free to download our software at:

www.saturnpcb.com





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Contact Information

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Communication is key to success!

Contact us today for a free PCB design quote or turnkey engineering solution.

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