

# Best Circuits

Creative Design Solutions

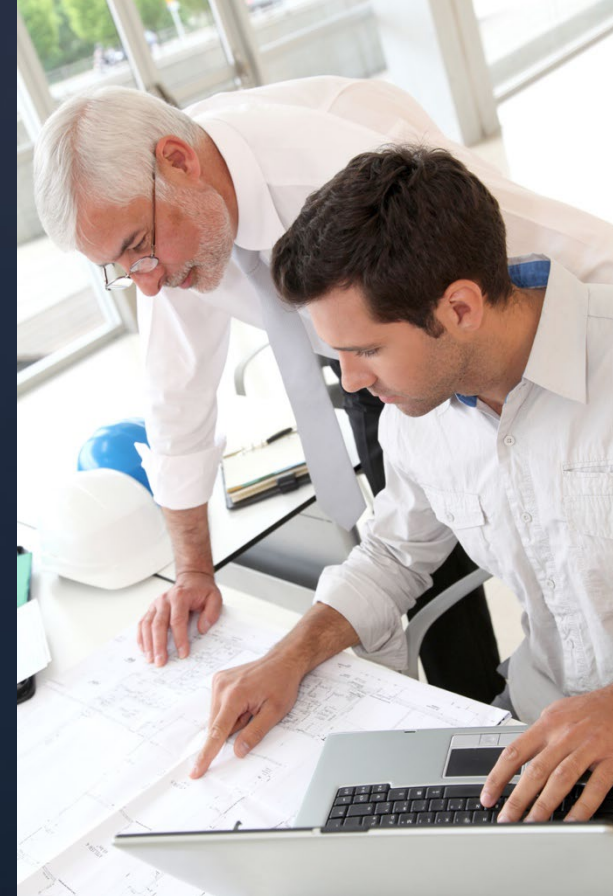
Product Design and Flexible Manufacturing



Founded in 2001, Best Circuits Inc. is comprised of the ODM industry's most skilled and experienced engineering and business talent, representing years of experience at companies such as Hewlett Packard, Philips, ITW, IBM, Micron and Google.

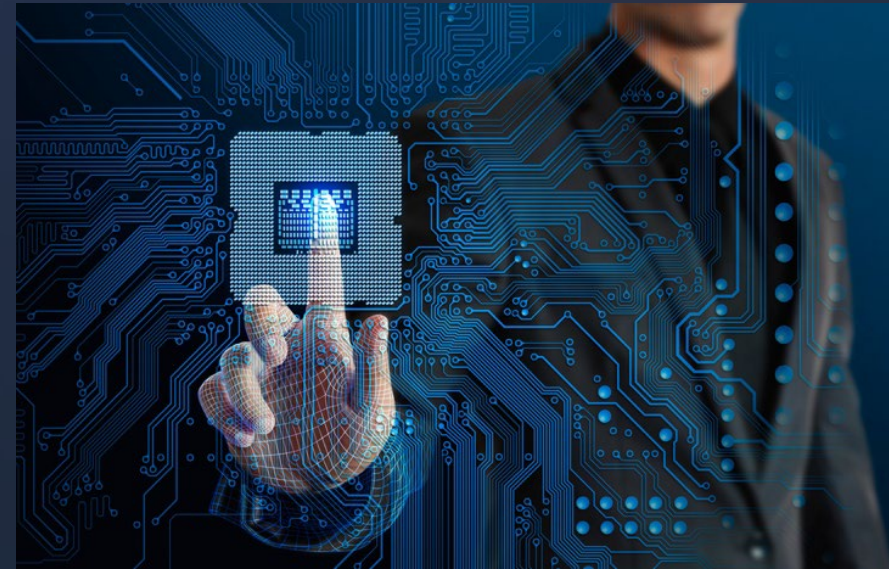
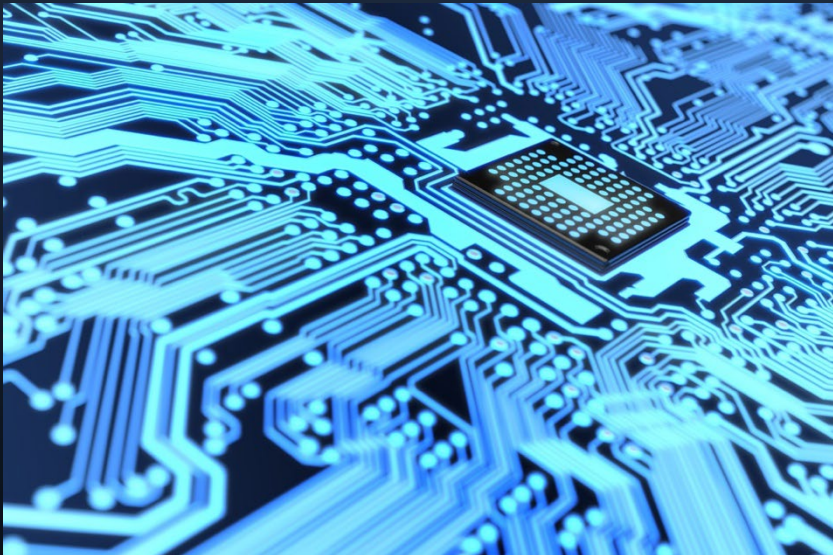
We have identified and are prepared to respond to a significant demand in the industry for leading-edge manufacturing design. Our team's background designing LaserJet and PC motherboards, medical devices, sophisticated embedded controllers, wireless communication devices, IoT devices, and integrating them into successful consumer products has encouraged us to seek similar design projects from high-tech firms working with the latest technologies.

Best Circuits engineering product design skills combined with our capabilities to manufacture prototypes and mid-volume production differentiate us from the rest of the industry.



## We Specialize In:

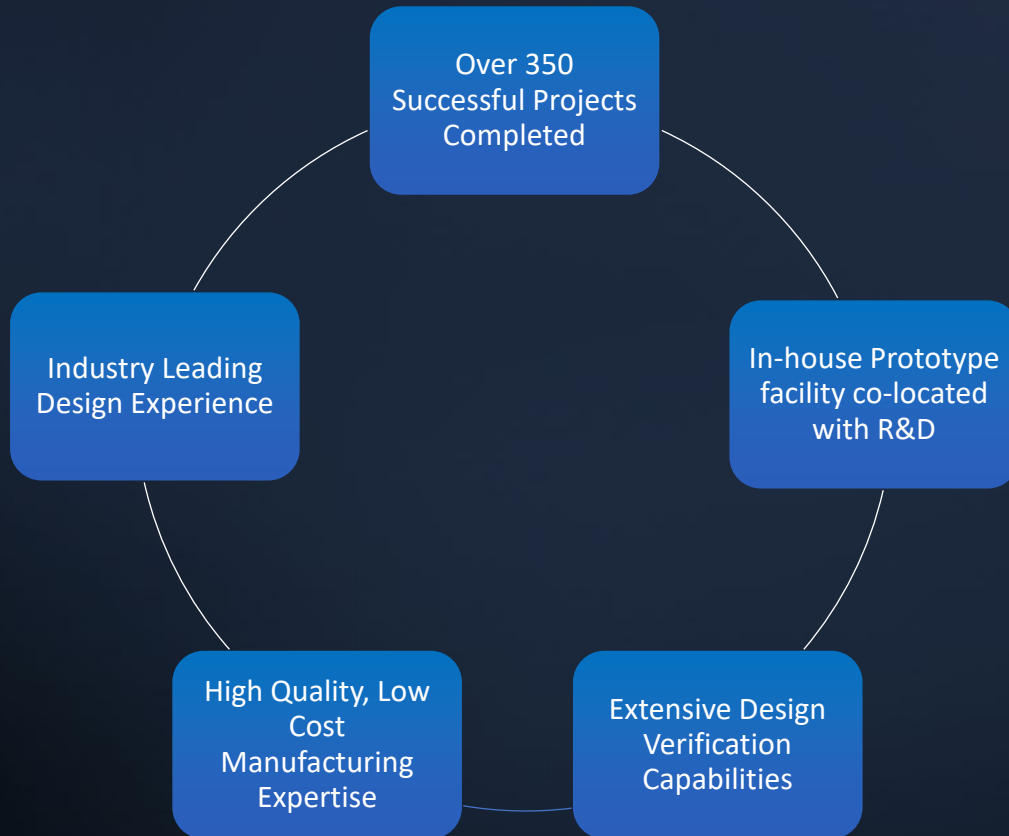
- High-Speed Electrical Design
- FPGA design
- PCB Layout
- Prototyping and low Volume Manufacturing
- Product Development Collaboration
- IP and Patent development
- Complete product design
- IoT



## Industry Expertise includes:

- Analog Sensors
- Embedded Controllers
- LCD display development [www.lcdterm.com](http://www.lcdterm.com)
- LED Lighting Power Supplies
- Embedded ARM design
- Wireless Communication devices
- Industrial Controllers/IOT
- Auto Industry
- Military and Aerospace
- Sensors Design
- LiDAR Design

Best Circuits Engineers are experts in these and other Engineering areas and have developed turnkey products for many Fortune 500 companies, as well as closely assisted other engineering teams in solving some of the most difficult Product Design problems. Our extensive customer list available at [Partners - Best Circuits](#)



Designing complex electronic products requires specialized engineering knowledge in areas such as:

- ARM based Digital Design
- Electromechanical Interfaces
- Power Management
- Signal Integrity
- Embedded Firmware Development
- Software Development and Mobile Apps
- Networking and cloud M2M solutions (BESTM2M portal for moving data into the CLOUD)
- Wireless communications
- PC or smartphone Apps



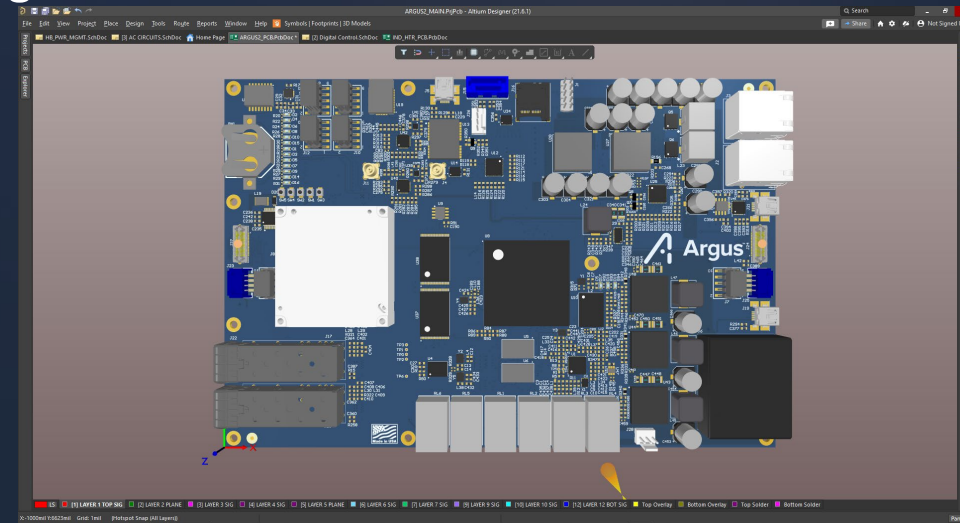
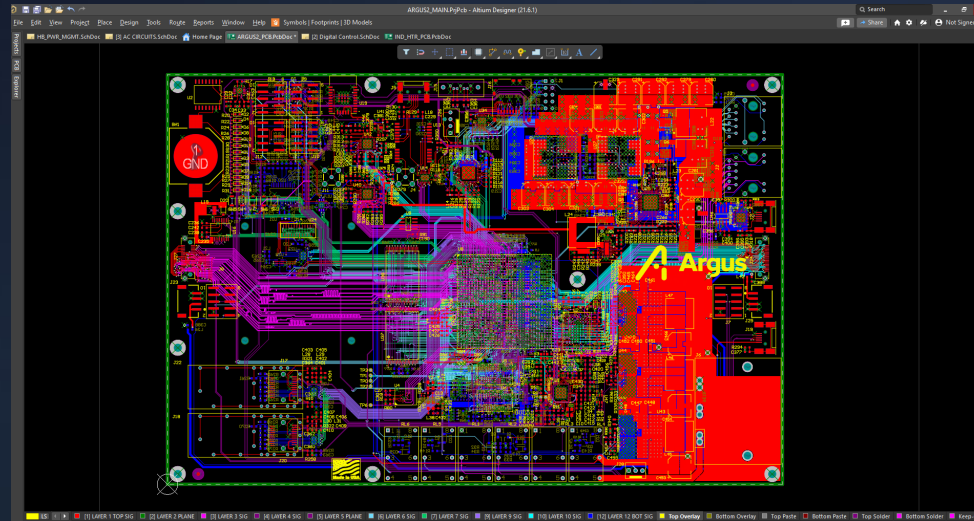
Product development is often challenging even for the largest and most innovative companies. The gap between “good enough” and “great” product design can be significant, with many companies having to settle for mediocre design and implementation.

**This doesn't always have to be. Truly great product development begins with:**

1. Team of highly skilled engineers with years of experience and the design competence to develop market-leading solutions for customers
2. Large IP portfolio with the knowhow to further develop unique IP for customer products
3. Access to the latest Electrical, Mechanical, and Software design tools for efficient design flow
4. Close cooperation and long-standing relationships with component manufacturer partners
5. Lab quality design verification and testing for low-cost volume manufacturing
6. End-to-End capabilities, with in-house prototyping, assembly, testing and manufacturing capabilities



### Altium Design tools - enabling integration of Electrical and Mechanical CAD

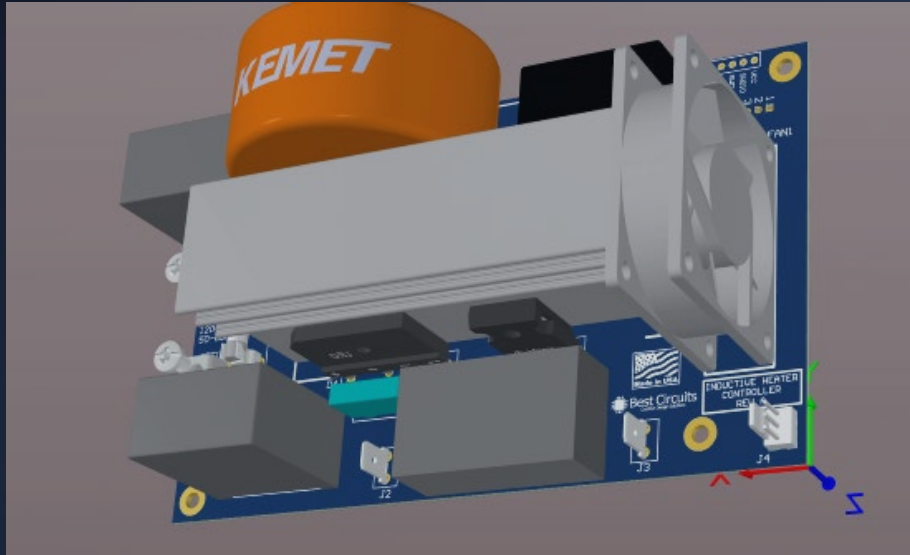


Along with High-Speed Simulations and Design Rules driven Physical Implementation

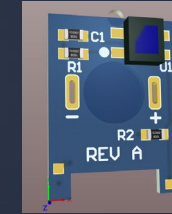
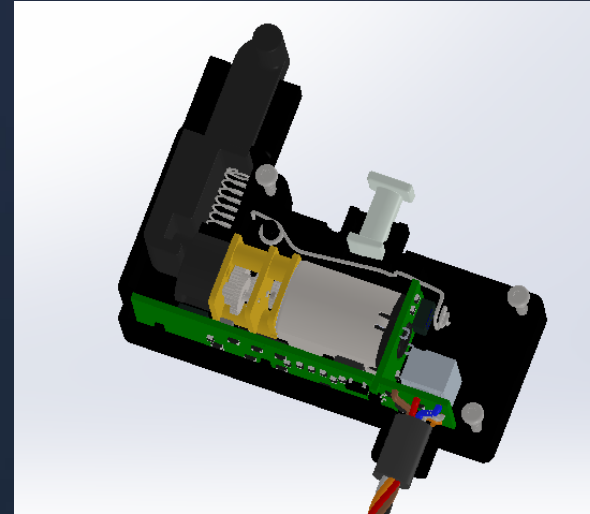
- MES System allows Design Data to be shared with Manufacturing and Procurement teams
- Component Database integrated with Inventory system, and intelligent AVL part selection

BIN	MFG PART	DESCRIPTION	FOOTPRINT	UPDATED	ON HAND	ON RACKS	ON REELS	ON FEEDERS	ACTIONS
1	RC0603JR-070RL	RES SH-D 0.0 OHM JUMPER 1/10W Thick Film	0603	Jun 30, 2021	1500	0	0	0	[Icons]
2	ERJ-6GEY0R00V	RES SH-D 0.0 OHM JUMPER 1/BW	0805	Jun 21, 2021	0	0	0	0	[Icons]
3	PHR10EZDFU10L0	RES SH-D 0.01 OHM 1% 1/2W 0805	0805	Jun 21, 2021	0	0	0	0	[Icons]
4	ERJ-3EKF1581V	RES SH-D 1.58K OHM 1% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]
5	RHCFO402F1K358	RES SH-D 1.58K OHM 1% 1/16W 0402	0402	Jun 21, 2021	0	0	0	0	[Icons]
6	ERJ-6ENF1871V	RES SH-D 1.87K OHM 1% 1/BW 0805	0805	Jun 21, 2021	0	0	0	0	[Icons]
7	RC0603JR-0710KL	RES SH-D 10K OHM 5% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]
8	ERJ-3EKF1200V	RES SH-D 120 OHM 1% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]
9	ERJ-3GEY1131V	RES SH-D 130 OHM 5% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]
10	ERJ-3EKF1503V	RES SH-D 150K OHM 1% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]
11	ERJ-3EKF1823V	RES SH-D 182K OHM 1% 1/10W 0603	0603	Jun 21, 2021	3000	0	0	0	[Icons]
12	ERJ-3EKF1963V	RES SH-D 196K OHM 1% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]
13	RC0603JR-0710KL	RES SH-D 1K OHM 5% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]
14	ERJ-3EKF2201V	RES SH-D 2.2K OHM 1% 1/10W 0603	0603	Jun 21, 2021	0	0	0	0	[Icons]

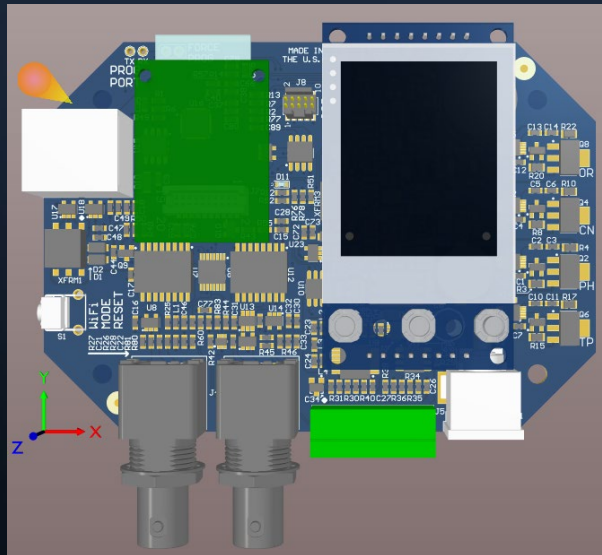
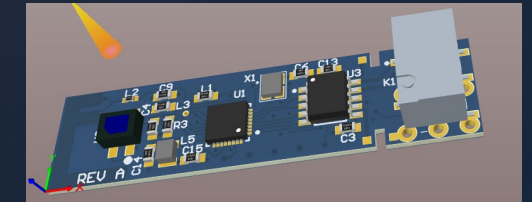
# Product Development Expertise



From Line Powered Devices



To miniaturized Wireless Micro controlled motor drivers using optical encoders and sensors



To environmental sensors using graphical user interfaces and Wi-Fi connectivity



To High-Speed FPGA based Compute boards, used in Autonomous Driving

Product Development Expertise



IoT Controls, PLC's  
Industrial monitoring  
devices



New and Legacy  
Products Design and  
Manufacturing







## Manufacturing Capabilities

- Prototype and mid-Volume new PCB using state of the art SMT Assembly Equipment
- Manufacturing Execution System (MES) for product traceability
- Product assembly and test capabilities
- Partnerships with local regulatory product testing companies, machine shops, and plastic molding
- Expert Design and Manufacturing team of Engineers and Technicians developing the latest technologies.



Designed and Manufactured in USA  
Instantaneous response from our  
Engineering and Manufacturing Teams



We offer end-to-end solutions starting with Product Concept Definition, System Architecture, Circuit Design and Layout, Prototyping, Design Validation and low/mid volume Contract Manufacturing.

Call or email today for a free consultation and project quote.

[Info@bestcircuits.com](mailto:Info@bestcircuits.com)

(321)425-6725

[www.bestcircuits.com](http://www.bestcircuits.com)

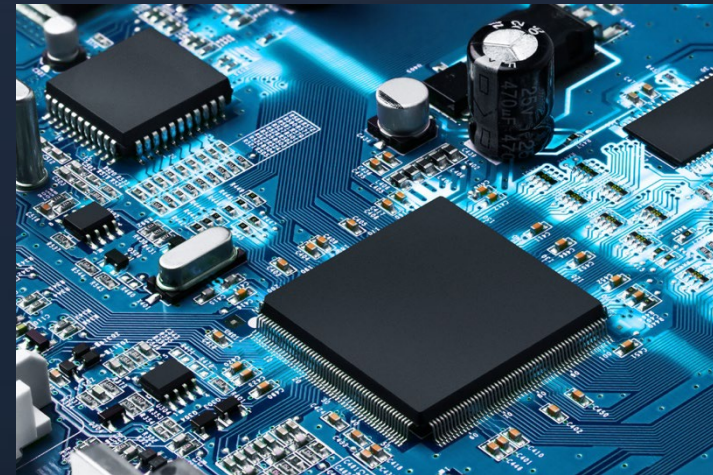
Luis Alvarez, VP Business Development

(321)431-5322

[lalvarez@bestcircuits.com](mailto:lalvarez@bestcircuits.com)

300 North Drive

Melbourne Florida



**Best Circuits, Your one stop solutions provider**