

*"...providing expertise & cost-effective solutions
for your product development needs..."*

Your Benefits:

- Cost Effective Solution
- English speaking and experience mechanical design engineers through our offshore R&D facility in the Philippines.
- Complete design package for design transfer to volume production
- Experience in medium to high complexity designs
- Design, manufacturing, cost are considered right from the beginning of the development
- 3D verification tool for the verification of the PCB layout in its mechanical environment, avoiding re-spins and costly production delay.
- Manufacturing support
- Test and Verification
- Independent Verification and Validation



Applications

Technology Applications

- Telecommunications
- Medical
- Consumer Electronic Products (e.g. cordless phones, Wireless Handheld Devices, Video-phones)
- RF|Wireless Systems
- RF Amplifier|Transceiver design
- Switch Mode Power Supplies
- Automotive Electronics
- Computer Peripherals

Affiliations

- **Certified ATMEL AVR Consultant**, with extensive experience using the AVR devices.



Gintuga Technologies, LLC

555 Republic Drive, Suite 200
Plano, TX 75074
Website: www.gintuga.com

PH: 214-245-4828
FAX: 214-550-1408
Email: askme@gintuga.com

Visit us @ www.gintuga.com



Your Extended Engineering Support

Service Information: Electrical Engineering

*Your R&D
For-hire Company*

About Us

An R & D for-hire engineering design center based in Texas having off-shore design locations in Philippines and Australia, our vision is to be your integrated strategic development extension partner providing cost effective service in the following areas:



- Electronic Product Development, Test Development Support, and Value Engineering
- Software Engineering
- Mechanical Product Development
- Website Development

Using a collaborative development support environment such as internet virtual meeting place, our goal is to maintain or improve your competitive edge, accelerate efforts to make quality reliable products that meet your time of

Our Core Group

Our key architect and System Engineers are located in the US, Australia and Canada. They highly collaborate with our customers in North America to help define product requirements.



To provide cost competitive design resources to our customers, most of the day-to-day design activities are done by our English speaking engineers in our offshore R&D facility in the Philippines .

We use the latest communication technologies to “bridge” our Philippine team to our customer and our US based engineers as if they are just working “across the block”. Our North America , Australia and Philippine team is your virtual Development Center extension.



Our Electrical Team

Our team of highly skilled and dedicated engineers aims to provide you solutions and support in any aspect of your electronic product development needs.

GT has extensive set of tools for electrical circuit design, simulation, and testing, including microcontroller and FPGA design. The team has combined experiences in various technology applications.



Some areas of our experiences

- Switch Mode Power supplies
- RF circuits & wireless devices
- Wireless Base Stations
- Internet Video Technology
- Analog/Digital Circuits
- FPGA | CPLD | Microcontroller programming

Technologies and Solutions

Some examples are:

- Switch Mode Power ICs (TI, Onsemi, Fairchild, Vishay, Power Integration, ST Micro)
- FPGA (Alter, Xilinx)
- Microcontrollers (TI, Freescale, Atmel, Microchip, Infineon)
- Zigbee
- RFID
- Zero IF transceivers
- Power Amp | Antenna | LNA design
- Microstrip matching
- Flyback | Forward | Buck | Boost converter topologies

Services

Our design services include (but not limited to):

- Analog and Digital Circuit design
- Component Engineering
- Schematic Design/Creation
- Simulations
- Switch Mode Power Supplies Design (e.g. AC/DC, DC/DC converters, Flyback/Forward converters topology)
- RF system/Circuit Synthesis (e.g. Bluetooth, Zigbee, RFID, cordless phones, wireless handled devices, etc.)
- RF Design Simulation using EDA tools—LNA, Power Amps, etc.
- Microstrip Design Simulations
- PCB layout/design

Design Tools:

- Cadence Allegro
- Mentor Graphics (PADS)
- Orcad
- Microwave Office
- MATLAB

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US Main Office:

555 Republic Drive, Suite 200
Plano, TX 75074

Website: www.gintuga.com

PH: 214-245-4828

FAX: 214-550-1408

Email: askme@gintuga.com



Gintuga Philippines, Inc.:

Doors A-C SKT Bldg.
3rd Lacson St., Bacolod City
Philippines, 6100

US Direct line: 214-295-8615

Local Ph: (63-34)-433-0915

