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**NuVision**  
ELECTRONICS

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

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**DigiKey**

Officially Authorised Reseller for  
DigiKey products in South Africa.

# Hello

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- **engineer**
- **designer**
- **purchaser**
- **maker**

we've got the products, services, and business solutions to help move you forward.



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[digikey.com](https://www.digikey.com)

# DigiKey

**we get technical**

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**ECIA MEMBER**  
Supporting The Authorized Channel



**Officially Authorised Reseller for DigiKey products in  
South Africa.**

# Wireless/IoT



Quectel is a global IoT solutions provider. As one of the leading providers of GSM/GPRS, UMTS/HSPA/LTE, GNSS modules with many years of extensive experience. A comprehensive product portfolio, strong R&D capability, matchless support services and global presence established our leadership position in the M2M marketplace.



**2G/3G Modules**

**4G Modules: LTE-A**

**Automotive Modules**

**LPWA Modules**

**Smart Modules**

**Antennas**



**4G Modules: LTE**

**5G Modules**

**GNSS Modules**

**Satellite Modules**

**Wi-Fi Modules**

**EVB Kits**

<https://www.quectel.com/>



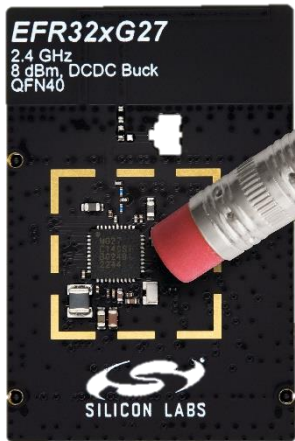
For nearly two decades, Silicon Labs has been building an unprecedented platform to support the broadest set of wireless technologies, standards, and ecosystems in the world. Our platform provides industry-leading compute, wireless performance, and energy efficiency with the highest levels of IoT security to help developers and device manufacturers streamline and accelerate product designs.

Wireless:

- Wi-Fi SOCs
- Bluetooth SOCs & Modules
- Sub GHz + BLE SOCs
- Sub GHz SOCs & Modules
- Multiprotocol SOCs & Modules
- Sub GHz Transceivers
- Thread, Matter & Zigbee SOCs
- Wi-Sun SOCs & Modules

Non-Wireless:

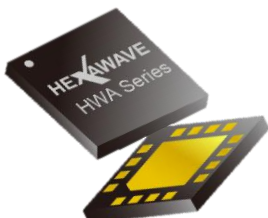
- MCU's
- Sensors
- Interfaces
- Power Management



<https://www.silabs.com/>

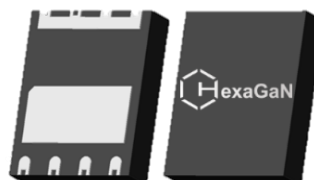


Hexawave was founded in 1991, focusing on providing complete range of high-frequency and high-power RF ICs for 5G New Radio Power Amplifier, Low Noise Amplifier, and RF Switch MMIC solutions. Our product portfolio has diverse applications, including wireless connectivity, low earth orbit satellite, smart city and IoT products.



**Power Amplifier**

**GaN Power Device**



**GaAs RF Switch**

<https://hexawave.com/>



# Wireless/IoT Cont....



Espressif Systems is a public multinational, fabless semiconductor company established in 2008. We have created the popular ESP8266, ESP32, ESP32-S, ESP32-C and ESP32-H series of chips, modules, and development boards.

#### SoCS:

- ESP32-S Series
- ESP32-C Series
- ESP32-H Series
- ESP32 Series
- ESP8266 Series

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



#### Modules:

- DevKIts
- Equipment



Shenzhen Hope Microelectronics Co., Ltd. ("HOPERF"), is a national high-tech enterprise which focuses on wireless RF chips and sensors.

#### Wireless RF:

- Sub GHZ
- Matter
- 2.4GHZ
- LORA
- BLE

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



#### Analog Devices & Signal Chain:

- Sensor
- Isolation Chip

# Analog



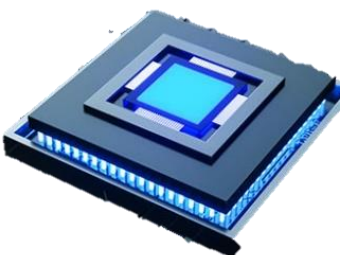
Shanghai Chipanalog Microelectronics Co., Ltd. is a high-tech company focusing on R&D, design, and sales of high-end analog chips. The product portfolio involves Isolation, Interfaces, HPA, Driver and Power which is used in industrial and automotive electronics markets.

#### **Digital Isolators**

**Isolated ADC/DAC**

**Isolated Driver**

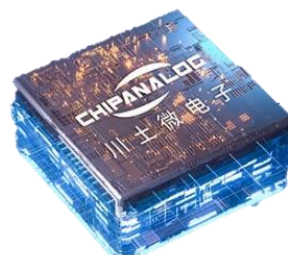
**Isolated Amplifier**



#### **Isolated DC-DC**

**Isolated Interface**

**Interface Transceivers**

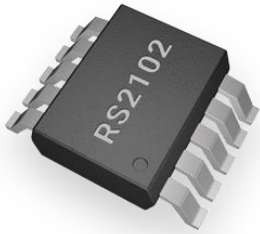


<http://e.chipanalog.com/>

# Analog Cont....



Runic Technology is a fast-growing, innovative semiconductor design and manufacture company that focuses on general purpose and high-performance analog and mixed-signal ICs, including op-amps, comparators, analog switches, data converters, level shifters, little logic ICs, voltage references, LDOs, DC/DCs, load switches, reset ICs.

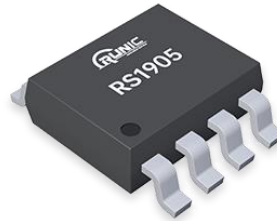


**Operational Amplifier**

**Analog Switch**

**Logic Translator**

**Power Products**



**Comparator**

**Interface**

**Voltage Reference Source**

**Data Conversion**

<https://www.run-ic.com/en/>



Monolithic Power Systems (MPS) is a high-performance analog semiconductor company.

**Power Management**

**Power Modules**

**Motor Driver & Motor Controllers**

**Inductors**

**Analog**

**Sensors**

**Complete Solution Boards**

**Isolation**

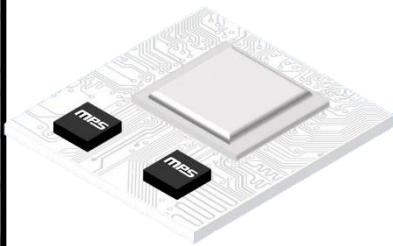
**Battery Management**

**Automotive (AECQ Grade)**

**Class-D Audio**

**Data Converters**

**AC-DC**



<https://www.monolithicpower.com/>

# Semiconductors



**GigaDevice**

GigaDevice offers over 550-part numbers from 42 series to choose from,

Flash

- SPI NOR Flash
- SPI NAND Flash
- Parallel NAND Flash

MCU

- Arm Cortex M3 & M4
- Arm Cortex M23 & M33
- Arm Cortex M7
- RISC-V

Sensor

- Touch Controller
- Fingerprint Recognition

Analog

- PMIC
- Motor Driver
- Lithium Battery Management
- High performance Power IC

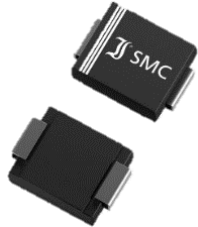


[www.gigadevice.com](http://www.gigadevice.com)

# Semiconductors Cont....



Diotec manufactures and supplies a wide range of discrete semiconductor solutions. Rectifiers in power supplies, transistors for switching and signal processing or protective elements in various circuits.

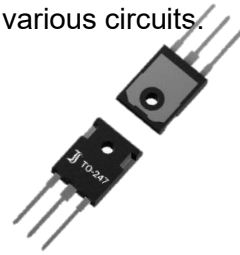


**Rectifiers**

**Regulators**

**Protection (TVS/ESD)**

<https://diotec.com/en/home.html>



**Diodes**

**Transistors**

**MOSFETS**



**e-peas**  
semiconductors

We provide industry leading energy harvesting and processing solutions – AEMs & Microcontrollers – to give infinite battery life to your wireless device by increasing the amount of harvested energy and by drastically reducing the energy consumption of all power consuming blocks of the system.



**Ambient Energy Managers**

**Photovoltaic**

**Thermal**

**Pulsed Intermittent Source**

[www.e-peas.com](http://www.e-peas.com)



**Dual Source Harvesting**

**Radio Frequency**

**Vibration**

**Microcontrollers**



NETSOL is a fabless IC design and marketing company established in 2010. They are leading the world in the next generation memory solutions, particularly in STT-MRAM. Their headquarters is in Gyeonggi-do, Korea. Armed with strong development capabilities, they provide customized/optimized memory solutions to a wide range of applications. Leveraging the expertise in designing low cost, small size, and low power consumption memory solutions, their products are widely applied in industrial automation, network system, medical, gaming, enterprise data centre and IoT devices.



**STT-MRAM**

<https://netsol.co.kr/>



**SRAM**



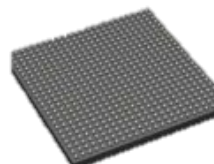
Quantum® is Efinix's key technology: an FPGA fabric arranged in a simple block-based format with interspersed columns of RAM and multipliers or DSP blocks. This fabric is designed to be process and fab agnostic, as well as compatible with a true SoC design flow. This scalable platform targets markets from intelligent edge devices to industrial automation to vision systems to edge servers and communications. The first-generation Trion® FPGAs are based on the patent-protected Quantum® architecture. This family gives customers access to this key new FPGA fabric, enabling edge applications or high-volume applications such as mobile and IoT that need devices that are optimized for small packages, low power, and volume.



**Titanium FPGAs**

**Trion FPGA's**

<https://efinix.com>



**Topaz FPGAs**

# Optoelectronics

**KHATOD**  
100% MADE IN ITALY



Khatod produces optical components by injection moulding: optoelectronic devices for automotive, military, household appliance applications; lenses for industrial applications. As a result of an extensive R&D research, Khatod became the first manufacturer to engineer and produce silicone LED lenses.

**General LED Lighting Lenses**

**Optical Systems for Mid Power LEDs**

**Reflectors**

**Lenses and Reflectors for UV LEDs**

**Wide Area LED Lenses**

**Silicone Lenses**

**Lenses for IR LEDs**

**Optoelectronic Component**



<https://www.khatod.com/en/>



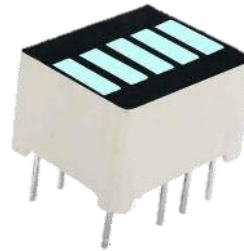
Lucky Light Electronics Co., Ltd is a professional LED manufacturer and supplier, and provides a diverse product portfolio consisting of High Power LEDs, SMD Chip LEDs, Through Hole Lamp, Lighting Components, LED Lighting Modules, Digital Displays, backlighting module, and Infrared Components for various applications.

**LED Lamps**

**LED Display**

**LED Light Bar**

**LED Light Bar**

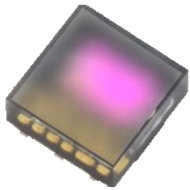


**SMD LED Lamps**

**Dot Matrix LED Display**

**Infrared Devices**

**Infrared Devices**



<http://lucky-light.com/>

**HARVATEK**

Harvatek Corporation is a leading manufacturer of semiconductor chips and LEDs with a wide spectrum of applications. With the highest quality products, unparalleled customer service, and perpetual emphasis on innovation, Harvatek has become one of the world's most preferred LED suppliers.

**Visible LED**

**OD CSP**

**Infrared LED**

**Mini LED**



[www.harvatek.com/en/](http://www.harvatek.com/en/)

**ORIENT DISPLAY**  
MAKE THINGS POSSIBLE

Orient Display is one of the world's leading touch panel and LCD (liquid crystal display) display manufacturers in the flat panel industry, offering display technology solutions and support in off the shelf or full custom designs for monochrome passive LCD display, LCD module, active color TFT LCD display, OLED display, passive OLED display (PMOLED) and capacitive touch panels.

**TFT Displays**

**LCD Displays**

**Custom LCD Displays**



**Embedded TFT Modules**

**OLED Displays**



<https://www.orientdisplay.com/>



# Optoelectronics Cont....



At Riverdi we focus on solutions. Both our custom and off-the-shelf displays are designed and manufactured in our headquarters in Europe, from components sourced from across the world — including the latest glass technologies only available in Asian markets. By keeping a large inventory of components, we can offer short lead times and flexible minimum order quantities.



**STM32 Embedded Displays**

**RCG, LVDS, MIPI DSI LCD Displays**

**E-Paper Modules**

**Accessories**

<https://riverdi.com/>



**Intelligent Displays**

**HDMI Displays**

**Evaluation Boards**

**EVT Intelligent Displays**



**WINSTAR**

Established in 1998, WINSTAR Display Co. Ltd has devoted itself to the manufacturing and development of high-quality products for the Industrial LCD Displays including monochrome TN/STN/FSTN LCM, COG LCD, VATN-LCD, TFT LCD, OLED display modules and System Integrated Solutions.

**TFT LCD**

**Smart Display**

**Character LCD**

**VATN LCD**

**System Integration**

<https://www.winstar.com.tw/>



**OLED Module**

**Graphic LCD**

**COG LCD**

**FSC LCD**



MULTI-INNO Technology Co., Ltd. is a Hong Kong based company with factories in China mainland. We are one of the pioneering technology-intensive service companies for touch display module products and complete panel solutions. Our core business covers the products of display (LCDs, OLEDs), Touch Panel and Keypad.

**Standard Character LCD**

**Standard TFT Modules**

**Sunlight Readable TFT Modules**

<http://www.multi-inno.com/>



**Standard Graphic LCM**

**HDMI TFT Modules**

**LED Modules**





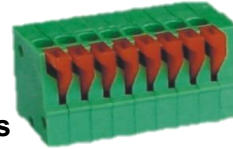
# Passive/Electromechanical



Antenk Electronics Co., LTD., is a well-known professional Connector and Cable Assembly manufacturer, integrating mould development, production, and sales. The company's products are in line with the European Union ROHS and REACH environmental protection requirements, most of the products are UL certificated.



- PCB Connectors**
- Battery Holders**
- Rectangular I/O Connectors**
- Male Pin Headers**
- Combo Power D-sub Connectors**



- Wire to Board Connectors**
- Battery Connectors**
- Circular I/O Connector**
- Female Pin Headers**
- IC Socket Connectors**

<https://www.antenk.com/>



CAP-XX is a world leader in the design and manufacture of thin, flat supercapacitors and energy management systems used in portable and small-scale electronic devices. The unique feature of CAP-XX supercapacitors is their very high-power density and high energy storage capacity in a space-efficient prismatic package.



- Prismatic Ultra-thin Supercaps**
- Large Supercaps (350F – 3000F)**
- Li-Ion / Hybrid Supercaps**
- Truck Start Modules**

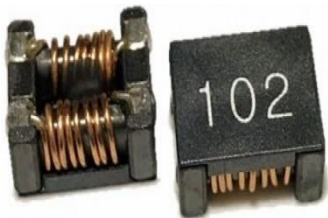
- Small Cylindrical Supercaps**
- Coin Cell Supercaps (0.1F – 1.5F)**
- Supercap Modules (16V – 2000V)**



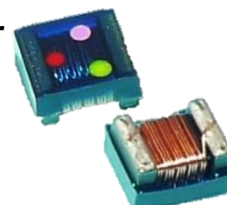
[www.cap-xx.com](http://www.cap-xx.com)



Erocore was established in 1997 and the main products are SMD (Surface Mount) Power Inductors, Common Mode Choke & Filter, Wire Wound Coil & Inductors, Multilayer Chip Bead, Torodial Inductor, Radial & Axial Inductor, Ferrite Core, etc.



- SMD Power Inductor**
- RF Wire Wound Inductor**
- Coil & Chokes**
- EMI MnZn Ferrite Core**



- Common Mode Choke**
- SMD Chip Bead / Inductor**
- EMI NiZn Ferrite Core**

[www.core.com.tw](http://www.core.com.tw)



Taimag was established in 1977 and designs and manufactures network-related parts. The main products of Taimag include, network transformers (filters), network connectors RJ-45, pulse transformers, DC-DC transformers, etc.



- Ethernet Transformers**

- RJ45 Magnetic Jack**



<http://www.taimag.com/>

# Passive/Electromechanical

## Cont....

**LINK-PP**

Link-pp is a global supplier of magnetic telecom, networking components and optical transceiver modules. Our products are widely used in networking and communication equipment such as HUB, PC card, Switch, Router, PC Main Board, SH, PDH. IP Phone, xDSL modem.

**RJ45 Connector with or without Magnetics**

**Optical Transceivers**

**Discrete Magnetic Transformers**



[www.link-pp.com](http://www.link-pp.com)

**MUP**

SHENZHEN MUP INDUSTRIAL CO., LTD. specialises in the development and production of Smart card connector, SIM card connector, Memory card connector, USB C connector, Micro USB connector, Mini USB connectors A connector, HDMI connector, FPC/FFC connector, BTB, RF connector, Battery connector, Spring connector, RJ series, POGO PIN and other precision connectors.

**Smart Card Connector**

**Micro USB**

**FPC/FPC Connector**

**Spring Hardware Sharpnel**

**OBD**

**USB TYPE C**

**HDMI Connector**

**Battery Connector**

**PCMCIA**

**Memory Card Connector**

**USB**

**RF Series**

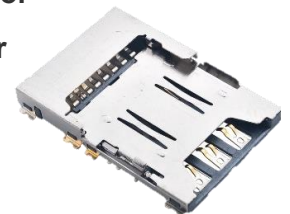
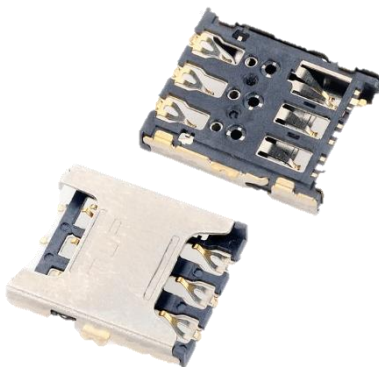
**SMA/SMB RF Connector**

**Sim Card Connector**

**Mini USB**

**BTB Connector**

**RJ Connector**



<https://www.mupconnector.com/mobile>

**WE**  
WÜRTH ELEKTRONIK

Würth Elektronik is one of the leading manufacturers of electronic and electromechanical components in Europe. The product portfolio includes EMC components, capacitors, inductors, RF inductors and LTCC components, transformers, components for circuit protection, power modules, LEDs, connectors, switches, power elements in press-fit technology and assembly technique.

**Passive Components**

**Power Modules (MAGI'C Series)**

**Thermal Management**

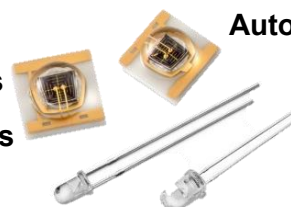
**Electromechanical Components**

**Wireless Connectivity & Sensors**

**Digital Isolators**

**Optoelectronics**

**Automotive**



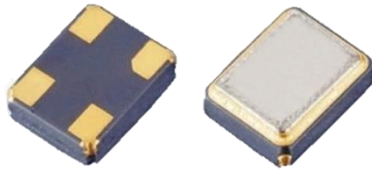
<https://www.we-online.com/en>

# Passive/Electromechanical

## Cont....

# YOKE®

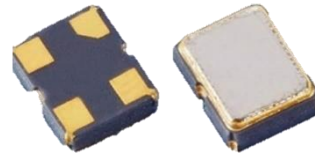
“Yoketan” is a leading manufacturing service for high performance frequency components. Our main products include Crystal Resonator, Crystal Oscillator and Crystal Filter, which are widely used in the field of wire and wireless telecommunication (GSM, PHS, Transceivers, DSC, GPS, RF Remote Controls, TV sets, Computers, etc.



**Crystals**

**TCXO**

<https://www.yoketant.com.tw/>



**Crystal Oscillator**

# Power Supplies/Batteries



ECCO electronics technology Co. Ltd, was established in 2005, focus on R & D and manufacture DC/DC converters, AC/DC converters, and PV power supply in China.



**DC-DC Converter**

**Telecom Ring Generator**

**Photovoltaic (PV) Power Supply**

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



**AC-DC Converter**

**Railway Power Supply**

**Custom Designs**

# HGPOWER®

Located in Changzhou Jiangsu China, HGPPOWER focuses on power supply development and production for all kinds of power supplies, battery chargers and LED drivers.



**Battery Charger**

**DIN Rail**

**Switching Power Supply**

<http://en.hgpower.com/>



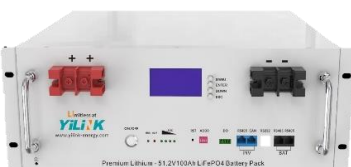
**LED Driver**

**Adapter**

**Custom Design ODM & OEM**

# YiLiNK

YiLink Energy has been in operation in the general battery business since 2004 and its lithium battery production facilities have been in operation since 2013. YiLink Energy uses only brand-new certified Grade A prismatic cells, these cells are manufactured by Gangfeng, one of the largest battery cell manufacturers in China. YiLink claims a 0% cell failure rate over the past 3 years.



**LiFePO4 Solar Batteries**

<https://www.yilink-energy.com/>

