Microchip

Inquiries : [microchip [at] jpedindia.com](mailto:microchip@jpedindia.com) , Tel : +91-22-61110222

Microchip Technology Incorporated is a leading provider of smart, connected and secure embedded control solutions. Its easy-to-use development tools and comprehensive product portfolio enable customers to create optimal designs, which reduce risk while lowering total system cost and time to market. The company's solutions serve more than 120,000 customers across the industrial, automotive, consumer, aerospace and defense, communications and computing markets. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality.

Memory  
Power Discretes  
Power Management  
Power over Ethernet  
Radio Frequency (RF) and Microwave  
Wireless Connectivity  
Touch and Gesture  
Smart Energy/Metering

Microcontrollers and Microprocessors  
Analog  
Amplifiers and Linear ICs  
Clock and Timing  
Data Converters  
Embedded Controllers and Super I/O  
Interface and Connectivity  
LED Drivers and Backlighting

Website : [www.microchip.com](http://www.microchip.com)

Allegro

Inquiries : [allegro [at] jpedindia.com](mailto:allegro@jpedindia.com) , Tel : +91-22-61110222

At Allegro MicroSystems, we’re passionate about developing intelligent solutions that move the world toward a safer and more sustainable future – while giving our customers a competitive edge.    
  
With more than 30 years of experience developing advanced semiconductor technology and application-specific algorithms, Allegro is a global leader in power and sensing solutions for motion control and energy-efficient systems. Through our [innovations](https://www.allegromicro.com/en/about-allegro#Innovations), we are helping our customers make breakthrough advancements in areas like advanced mobility, green energy, and factory automation. Each year we ship over one billion units into these applications to support our 10,000+ customers around the globe, including over 50 automotive OEMs.   
  
Our global engineering, manufacturing and support, combined with our agility, make Allegro a trusted partner to both large enterprises and regional market leaders worldwide.

**DRIVE**

BLDC Drivers

Brush DC Drivers

Stepper Motor Drivers

**REGULATE**

Regulators

Clear Power Modules

LED Drivers

**SENSE**

Current Sensors  
Switches and Latches  
Position Sensors  
Speed Sensors  
Interface ICs  
Photonics

Website : www.allegromicro.com

Mornsun :

Inquiries : [mornsun [at] jpedindia.com](mailto:mornsun@jpedindia.com) , Tel : +91-22-61110222

MORNSUN, founded in 1998, is a leading one-stop PSU power supply solutions manufacturer specializing in industrial power supply. With 24 years of experience in the area of power supply design and PSU manufacture, MORNSUN has introduced more than 6000 high-quality industrial power supply products to meet the application needs of multiple industries, serving the global market.

As a trusted PSU manufacturer, MORNSUN Power has an outstanding record of developing of cutting-edge power technologies, including the ICs development, structures for its transformers and product housings. Its market-leading industrial power supply product ranges include AC-DC/DC-DC converters, AC/DC enclosed switching power supplies, transceivers, signal-conditioning modules, IGBT and LED drivers, as well as developing products based upon the latest SiC and GaN technologies. These advanced industrial power solutions are widely used in industrial, medical, telecoms, and various emerging fields such as EV charging, photovoltaic and smart home markets and more.

Guided by the service principle of “trustworthiness”, PSU manufacturer MORNSUN Power offers its best-in-class products, innovative technologies, fast and local service, and efficient pre-sales & after-sales support to the customers worldwide.

Signal Isloation :Transceiver Module   
CAN , RS485 , RS232,   
Protocol Conversion ,   
Serial Port to Ethernet, ,

AC/DC Converter

* AC/DC Enclosed SMPS
* AC/DC Onboard

DC/DC Converter

* DC/DC Fixed Input
* DC/DC Wide Input
* DC/DC High Voltage Input
* DC/DC Switching Regulator

AC/DC & DC/DC   
Power Supply Control IC  
Interface Ics  
Startup Ics  
Digital Isolators  
IGBT Driver  
Power Module for Sic/GAN Gate Driver  
LED Driver

Website : [www.mornsun-power.com](http://www.mornsun-power.com)

AV Display

Inquiries : [avd [at] jpedindia.com](mailto:avd@jpedindia.com) , Tel : +91-22-61110222

Shenzhen AV-Display Co., Ltd (AVD, Stock Code: 300939) is focused on providing the electronics industrial market with professional display solutions.

We are designing and manufacturing a comprehensive range of display products, such as color TFT modules, CTP – Capacitive Touch Panels, monochrome LCD panels and modules, Shutters.

For usage together with our displays we have display controller boards, which can allow our customers to focus on their core competences and allow them a faster access to their market.

AVD is recognized for providing high quality products and services to our customers. The display solutions are used in a wide range of applications worldwide, such as, Industrial control, home automation, appliance,HMI,medical, metering, automotive etc.

With our 2 manufacturing locations in China, Shenzhen (HQ) and Ganzhou, we are prepared to develop products meeting our customers’ specific demand or supporting our customers with a wide selection of standard products, and our own sales offices and partners located globally, we are dedicated to be the leading display solutions company in the world.

MONO DISPLAY

COB Module

COG Module

TN / STN LCD

PMVA LCD

Shutter LCD

INNOVATIVE TECHNOLOGY

All Black

PMVA Color

Rearview Mirror

Intelligent Switch

Hybrid Display

Touch Display

TOUCH DISPLAY

TN TFT

IPS TFT

Industrial/Large TFT

Wide Temperature TFT

Touch Module

Capacitive Touch Panel

Website: [www.av-display.com](http://www.av-display.com)

Taiwan Semi

Inquiries : [tsc [at] jpedindia.com](mailto:tsc@jpedindia.com) , Tel : +91-22-61110222

Taiwan Semiconductor was established in 1979 and remains under the direction of its founder and CEO, Arthur Wang. The company has grown from its beginnings as a local manufacturer, to a global enterprise with 1,500 employees. Taiwan Semiconductor is publicly traded on the Stock Exchange Corporation of Taiwan.

Recognized for more than 40 years for its core competence in discrete Power Rectifiers, Taiwan Semiconductor has expanded its product portfolio to include Trench Schottkys, MOSFETs, Power Transistors, LED Driver ICs, Analog ICs and ESD Protection Devices, and now provides a complete solution from one source.

Power IC’s  
Amplifier & Comparator  
Analog IC  
Linear Voltage Regulator  
Voltage Reference  
Hall Effect Sensor  
Lighting IC

**Discrete Devices**Bridge Rectifier  
Diac & Thyristor  
Transistor

Diode  
Linear Voltage Regulator  
ESD Protection  
Mosfet

Website : [www.taiwansemi.com](http://www.taiwansemi.com)

HTC

Inquiries : [htc [at] jpedindia.com](mailto:htc@jpedindia.com) , Tel : +91-22-61110222

|  |  |
| --- | --- |
| TAEJIN Technology Co., Ltd was incorporated in 2000 with aim of becoming the world leader in Power Management IC industry. The brand name "HTC Korea" was created by TAEJIN Technology to meet customer's goal by using highly diversified R&D technology.  HTC Korea is well-known for its high-quality products in the Asian market and targets three major sectors: Communication, Consumer, and Computer.  HTC Korea has been promoting its products in cooperation with world-wide sales partners in China, Japan, Hong Kong, Singapore, Taiwan, and India.  HTC Korea operates through quality policy which is authenticated by Korea's ISO 9001, and observes corporate ethics and environmental responsibility. All HTC products are manufactured under the system authenticated by ISO14001, and are complied with RoHS directives. . |  |
| HTC Korea are being propelled towards World Best Leader in Power Management IC industry, and HTC Korea will continue marching ahead in the semiconductor industry. | |

Voltage Reference ., Standard Linear Voltage Regulator , LDO Voltage Regulator, VLDO   
Voltage Regulator, CMOS ULDO Voltage Regulator , DDR Termination Regulator & OCP IC Step-Down Switching Voltage Regulator , Step-Up Switching Voltage Regulator, Converter & Controller Operational Amplifiers & Comparators , Interface , Current Driver , Logic

Full Line-up of Linear Regulators   
High Voltage Non Sync DC-DC Converters  
DC-DC Converters Controllers  
RS-232/RS-485 Interface IC’s

Website : [www.htckorea.co.kr](http://www.htckorea.co.kr)

Novosense

Inquiries : [novosense [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

NOVOSENSE Microelectronics is a highly robust & reliable analog and mixed signal IC design company. Since its establishment in 2013, the company has been focusing on signal sensing, system interconnection and power drive, providing comprehensive semiconductor products and solutions such as sensor, signal chain, isolator, interface, power driver, power management, which are widely used in automotive, industrial control, information communication and consumer electronics markets.

With the mission of "Sense and Drive the Future, Build a Green, Smart and Connected World with Semiconductors”, the company is committed to providing chip-level solutions to link the digital world and the real world.

Signal Chain  
High precision REF(<5ppm/C)

High precision amplifier(<1uV offset)

24-bit precision ADC

16-bit precision DAC

Digital signal processing

**Isolator & Interface**  
>10kV ISO process

CMTI>150kV/us

High speed ISO signal transmission

Integrated ISO power

High precision ISO amp/ADC

High reliability I2C/485/CAN/LIN interface

Power & Driver  
5A half-bridge ISO driver  
SiC/IGBT driver with function safety

Automotive Buck/Boost/LDO

Automotive LED drive

**Sensor**

High reliability MEMS pressure

Micro-pressure MEMS pressure

High precision temperature/humidity

Hall/ARM magnetic

Website : <https://www.novosns.com/en>

IKSEMI

Inquiries : [iksemi [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

As a Fabless semiconductor company that has contributed to  
securing the competitiveness of the domestic electronics industry by localizing non-memory semiconductors in various fields such as home appliances, lighting, and communications, we are becoming a **semiconductor developer specializing in the automobile, IOT, and robot industries** that will lead the era of the 4th industrial revolution based on our accumulated technology.

Interface

RS-232

RS-485

Isolator

[Transmitter & Receiver](http://www.iksemi.com/01_product.php?Cate1Code=005&Cate2Code=004&pgCode=1/5)

Analog & Mixed Signal  
Audio System  
Timers  
Comparators  
Telephone IC’s  
[Real Time Clock ICs](http://www.iksemi.com/01_product.php?Cate1Code=004&Cate2Code=015&pgCode=1/6), [Melody ICs](http://www.iksemi.com/01_product.php?Cate1Code=004&Cate2Code=016&pgCode=1/6)

Power Management Motor Controller  
Ground Fault Interrupter  
Charger IC’s  
Positive/Adjustable-Voltage Regulators   
Transistor Array ICs  
PWM & SMPS Controller

Automotive :  
Isolator  
Motor Driver   
Power Train   
LDO  
Sensor IC  
Communication  
Digitial Clock

Website : www.iksemi.com

Megawin

Inquiries : [megawin [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

Megawin Technology was formed by a group of IC design and sale specialists in 1999. Our company's mission is to become the worldwide MCU supplier through nonstop research & development and patent portfolio plan. One of our company's slogan is: "Be Practical and Be Creative". We believe that in order to become the qualified worldwide MCU supplier, we would have to constantly and continuously develop innovative products.

**Cortex\_M0**

***Base Line***: Based on ARM Cortex-M0. In addition, the External Memory Bus(EMB) module supports a variety of interface displays (TFT-LCD).

***USB Line:*** Megawin ARM Cortex-M0 series, with the excellent anti-interference ability and excellent encryption technology, Multiplex reset resources, fast I/O, and equipped with high-speed peripheral UART, SPI, I2C and other hardware resources

**8051 MCU**

[***1T 8051 MCU***](http://www.megawin.com.tw/en-global/product/series/1T_8051_MCU) : High-Performance 1T 8051 core, There are rich peripherals and complex I/O interface to fit most application. Such as ADC, PCA, multi-UART, SPI, TWSI.  
***12T/6T 8051 MCU*** : 8051 MCU which executes on 12T/6T cycle per one instruction.  
 They are fully compatible to standard 8051 on function and pin-out.  
***Low Pin Count 8051 MCU*** :High-performance 1T 8051 core and provide the small form factor and cost effective solution for customer. The pin number is from 8-pin package to 32-pin package.  
***USB 8051 Flash MCU*** :High-performance 1T 8051 core and USB interface,

**USB PRODUCT**

[***Full Speed MCU***](http://www.megawin.com.tw/en-global/product/series/Full_Speed_MCU) ***:*** USB 8051 MCU embeds the high-performance 1T 8051 core and USB interface  
***USB Bridge*** : This product segment can support USB to transfer data or command to other interface,  
 for example UART, I2C, SPI…etc., even GPIO or PWM control.   
***USB Keyboard/Mouse/Joystick*** : Full compatible with USB HID 1.1 standard to provide high compatibility with multi platforms, ex. Windows, Mac, Linux and Android.   
***Charge IC*** :Automatically detect different kinds of portable devices to provide high voltage, high current under faster and stable charge power

Website : [www.megawin.com.tw](http://www.megawin.com.tw)

KLS

Inquiries :  [kls [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

  KLS was founded in 2002.Now it has developed into one of the top ten electronic component enterprises in China. KLS maintains modern manufacturing and R&D base locations in Zhejiang, Shanghai, Jiangsu, Shenzhen and Dongguan in China.  
 KLS has developed into a comprehensive group of electronic components,it has more than 10 wholly-owned and holding subsidiaries.  
  
● KLS company has been granted ISO9001 management system certificates.,KLS products have been approved by [UL,VDE,TUV,CE,CQC,RoHS,REACH](https://www.klsele.com/About-KLS/Quality-Certifications.html).  
  
● KLS has been recognized by many fortune 500 companies and leading companies in many industries.KLS’s products are well sold to over [30 countries and regions](https://www.klsele.com/About-KLS/Customer.html).Annual sales of KLS is 30 million dollars.

● KLS has industry-leading mold processing, automatic manufacturing capabilities, it also has advanced testing devices and professional testing  
   technology,to create high reliability, high durability products offer to global users; at the same time, we have strong customization capabilities.   
  
● KLS provide one-stop solution to multiple industries such as industrial automation,instrumentation, power, rail transport , shipbuilding ,new energy, elevator, lighting, security,machinery and etc.

**Connectors** :

Wire to Board , Wire to Wire , Male Pin Header ( Berg Strips) , Jumper , Female Header, IDC, FFC/FPC, Sim Card , Memory Card , Smart Card, USB , DVI , HDMI , AC Power Socket & plugs , Pogo Pin , DIN41612, IC Socket , Terminal Blocks , Circular Connector , Waterproof , Automotive , OBD , Battery , Power Pole , Coin Cell, SMA , Ethernet , Cable Assemblies.

**Switches :** DIP Switch , Tactile, Rocker , Slide , Snap Action , SIP , Toggle,  
 Push Button, Automotive.

**Fans** : AC Fans , DC Fans , DC Blowers , Fan Accessories.

Website : [www.klsele.com](http://www.klsele.com)

Viitor

Inquiries : [viitor [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

**Viitor Semiconductor** is established and organized by a team of top power semiconductor R&D engineers with the world-renowned IDM semiconductor global marketing experts. We incorporate the best of both to build our own brand “Viitor Semiconductor”.  
Viitor Semiconductor is a market and technology research and development driven company with years of rich experience in the global market and forward-looking utility patents, which committed to providing customers with the highest quality reliability and the most appropriate specifications of products and overall solutions  
At present, Viitor Semiconductor has been adopted by major automotive manufacturers and well-known consumer electronics manufacturers. We look forward to becoming one of your most reliable and satisfactory partners.

**Product Range :-**

Power Mosfet  
Power Schottky  
ESD Protection  
TVS  
Zener   
Small Signal Mosfet  
Small Signal Bipolar Transistor  
Small Signal Schottky  
Small Signal Switching

**Application :**

Automotive : BLDC Motor Control , On Board Charging , DC-DC , Car Lighting.

Solar  
Circuit Protection  
Power Management

Website : [www.viitorsemi.com](http://www.viitorsemi.com)

BEL

Inquiries :  [bel [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

Belfuse Circuit Protection , Bel Magnetic Solutions /TRP Connectors , Bel Power Solutions, Cinch Connectivity solutions , Signal Transformer , Stewart Connector .

Cinch Connectivity Solutions  
RF Coax Connectors  
Microwave Components  
Fibre Optics  
Rectangular & Circual  
Connectors

Product Range

Bel Power Solutions  
AC DC Power Supplies  
DC DC Power Supplies  
E Mobility Power Supplies  
Powerline Communication (PLC) Modules

Bel Magnetics   
MagJack ® ICM  
Discrete Lan Magnetics  
1 X N , 2 X N Port ICM  
ICM with USB  
Vertical Mount ICM

Bel Fuse- Circuit Protection

Surface Mount Fuse  
Resettable PTCS  
Plastic Body , Radial Lead  
Automotive Fuses  
Power Fuses

Website : [www.belfuse.com](http://www.belfuse.com)

CUI Devices

Inquiries : [cui [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

CUI Devices is an electronic components manufacturer dedicated to nurturing the spirit of innovation with a heavy dose of humanity—caring more than is expected, embracing evolution, taking a holistic approach, and having fun along away.

Tracing our roots back to 1989 just outside of Portland, Oregon, we have continually evolved over the years to help our customers find the freedom to do amazing things and change the world with their designs. We specialize in an ever-expanding range of product technologies, including audio, interconnect, motion, relay, sensor, switch and thermal management solutions.

As we move forward, CUI Devices will continue to be the familiar and trusted source for electronic components you’ve come to rely on. We understand the bending and forking design journey our customers boldly travel. We’ve been on an unfolding journey ourselves. We will stay empathetically committed to your design’s success without distraction or delay

Product Range :

***Audio :***   
**Buzzers** : Indicators , Transducers & More  
**Microphones** : ECM & MEMS Microphones  
**Speakers** : Frame Sizes from 10mm upto 250mm

***Motion & Control :***  
**Potentiometers** : Shaft or Shaftless rotary models  
**Rotary Encoders** : Modular & Panel Mount Options  
**Stepper Servo Motors** : Stepper Motors with AMT Encoders

***Sensors :***

Current Sensors, Pressure Sensors , Ultrasonic Sensors

***Thermal Management :***   
DC Fans, Heat Sinks , Peltier Devices , Thermal Accesories

***Interconnect :***

**Connectors** : Audio , DC Power , HDMI , USB , Modular , Circular , RCA , DIN Terminal Blocks .

**Cable Assemblies** : USB Cables , Circular Cable Assemblies ,AC Power Cords

**Switches** : DIP , Push Button , Slide , Tactile.

***Relays*** :  
Power Relays , Signal Relays

Website : [www.cuidevices.com](http://www.cuidevices.com)

Geehy Semiconductor

Inquiries : [geehy [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

Geehy Semiconductor is an IC design company that specializes in industrial and automotive grade microprocessors, mixed signal analog ICs, and SoCs.   
With 20 years of IC design experience and embedded system capability, Geehy can provide customers with core, reliable chip products that enable accurate sensing, secure transmission, and real-time control, helping them to expand in automotive, industrial, new energy, and consumer electronics.

Product Range :

***APM32 Industrial & Automotive MCU :***  
32-bit general purpose MCU based on Arm® Cortex®-M0+/M3/M4 core,

**Development Tools :**   
Emulator/Prog (GEEHY-LINK) , APM32 PROG, APM32 PROG PC, ISP Multiport Programmer

***BLE SOC :***

**BLE 4.2 :** GW8811 is an ultra-low-power Bluetooth 4.2 SoC based on the 32-bit Arm® Cortex®-M0 processor, integrated with a high-performance 2.4GHz RF transceiver and rich digital interfaces

**BLE 5.2** : Based on a 32-bit RISC-V core, GW3323 is a dual-mode Bluetooth chip and compliant with Bluetooth 5.2 and BLE specifications. It comes with built-in 8M bit Flash, 256 Kbytes SRAM, 160 MHz operating frequency, and integrated power management unit PMU (Charger/Buck/LDO) with constant current charge up to 0.2A

***Dachuan Series Embedded SoC-eSE Security Master and Solution :***

The embedded SoC-eSE security master is based on the multi-core heterogeneous security encryption architecture of domestic core CPU, with embedded high-speed flash memory, low-power management, hardware cipher algorithm acceleration engine, and security unit. It can effectively protect sensitive data from attacks and comprehensively ensure the internet information security.

Website : [www.global.geehy.com](http://www.global.geehy.com)

Navitas   
Inquiries : [navitas [at] jpedindia.com](mailto:novosense@jpedindia.com) , Tel : +91-22-61110222

Founded in 2014, Navitas develops ultra-efficient [gallium nitride (GaN)](https://navitassemi.com/gallium-nitride-the-next-generation-of-power/)semiconductors that are revolutionizing the world of power electronics in terms of efficiency, performance, size, cost and sustainability.  
Navitas is the industry leader in GaN with drive, control and protection in a single easy-to-use integrated circuit (IC). Navitas [GaNFast ICs](https://navitassemi.com/technology/) are easy-to-use ‘digital in, power out’ building blocks that enable up to one hundred times faster switching speeds while increasing energy savings by as much as 40%  
GaN is growing in importance because of its ability to offer significantly improved performance over conventional silicon semiconductors while reducing the energy and the physical space needed to deliver that performance. GaN technology will accelerate the transition to a sustainable future by delivering efficiency improvements, lowering the cost of clean energy and reducing the materials and energy needed to create power semiconductors.

***GaNFast™ Power IC***A [gallium nitride (GaN)](https://navitassemi.com/gallium-nitride-the-next-generation-of-power/) power integrated circuit (IC) combines several power electronics functions onto a single GaN chip, to improve speed, efficiency, reliability and cost-effectiveness. In many cases, GaN power ICs are the enabling catalyst for advanced power-conversion topologies to transition from [academic concepts to industry-proven](https://navitassemi.com/gallium-nitride-catalyst-for-the-next-generation-of-power-3/) mass production designs.

***GaNSense Power IC***Navitas’ GaNSense family offers loss-less current sensing integrated in the IC, removing the shunt current-sense resistor and its associated headaches, such as improving the overall efficiency of the system with lower total series resistance, while also increasing robustness with fast, internal, 30-100ns short-circuit protection.  
  
***GaNSense Half-Bridge Power Ics***Half-Bridge Integration enables fastest switching, highest efficiency & power density using Soft-Switching topologies  
*Ultra-fast mobile chargers continue to transition to higher power in order to support faster charging times for increasingly power-hungry smartphones. New charging protocols such as USB PD 3.1 now support up to 240 W. For these higher power levels, soft-switching half-bridge topologies provide the fastest switching frequency, highest power density and maximum efficiency.*  
***GeneSiC Mosfet & Diode***Widest Range of SiC MOSFETs 750 V – 6.5 kVGeneSiC’s patented trench-assisted planar gate design is a no-compromise, next-generation solution; high-yield manufacturing, fast and cool operation, and extended, long-life reliability**.**

***SiC Schottky MPS™ Diodes***Merged-PIN Schottky (MPS) Diodes combine two beneficial features from the PIN and Schottky diode. The PIN sustains excessive surge currents with low leakage, while the Schottky element offers low forward voltage drop and fast-switching characteristics. Target applications include PFC, Boost, and high-voltage, higher-power motor drives.

Website : [www.navitassemi.com](http://www.navitassemi.com)