

JPE GROUP

J. P. Electronic Devices (India) Pvt. Ltd.

J. P. Electronics Pte Ltd



Excellence :: Quality :: Trust

Distributors of Electronic Components

JPE Group specializes in marketing & distribution of electronic components from leading semiconductor manufactures.

Established in 1998, JPE Group has over the years earned enviable position of being distributor of choice for major OEMs, ODMs, EMS.

Integrity, commitment to quality & service has helped JPE, to become a distributor of choice for customers as well as for our principals.

JPE Group has become an integral part of supply chain management of several eminent customers in segments such as Consumer Electronics, Industrial Electronics, Lighting, Home Automation , Entertainment, Telecom & IT, Medical , Automotive, New Energy Vehicles.

Our team of experienced and talented sales & Design engineers empower us to offer professional, reliable, value added services to propose complete solutions consistent with our principal's strategic objectives and directives, by supporting our customer's right from design reference stage to actual bill of material sourcing.

In collaboration with our elite technology suppliers, tie ups with independent design houses & talented in-house design engineers, we commit to deliver innovative & cutting edge solutions to our customers, helping us build long term business alliance with our customers & principals.

JPE Group success is evidenced by long standing relations with our suppliers as well as customers & our endeavors in exceeding the expectation in sales and technology promotion & service support. We are Globally connected, locally invested.

IPO Services

JPE Group works closely with many customers as International Purchasing office in Singapore & Hong Kong. We have expertise in sourcing wide range of components & arrange console shipments.

Inventory Management:

JPE Group constantly monitors markets changes, lead- times and shortages and help customers in managing inventory, which is an essential part of business process.

We try to offer best possible inventory back up & JIT Delivery.

Shipping Facilities:

JPE Group can ship from its strategically located warehouses at Mumbai, Singapore & Hong-Kong. Our logistics team follow strict guidelines to ensure the goods are shipped in packages that can withstand normal rigors of transportation, with appropriate documentation to avoid in-transit hurdles & ensuring that the dispatches get delivered on time & in good condition in a most cost- effective manner.

Excellence :: Quality :: Trust, our core values, are firmly embedded into everything we do.

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

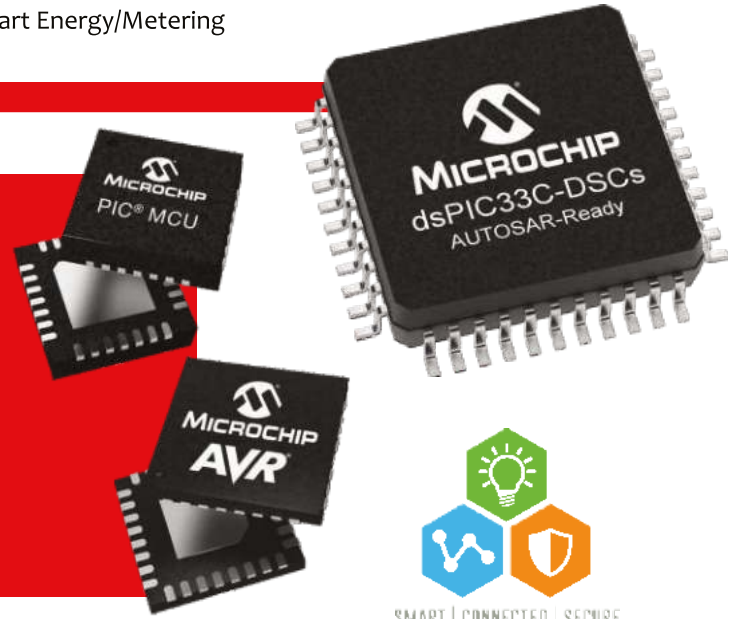
Memory
 Power Discrettes
 Power Management
 Power over Ethernet
 Radio Frequency (RF) and Microwave
 Wireless Connectivity
 Touch and Gesture
 Smart Energy/Metering

Applications

Internet of Things, Automotive and Transportation, Communications Infrastructure Consumer, Medical, Data Centers and Computing

Technologies

Embedded Security, Ethernet Technology, Low Power, Motor Control and Drive Power Management and Conversion, Machine Learning, Wireless Connectivity Technology USB Technology, Touch and Gesture Technologies, Timing and Synchronization



SENSE

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

REGULATE

Regulators
 Clear Power Modules
 LED Drivers

DRIVE

BLDC Drivers
 Brush DC Drivers
 Stepper Motor Drivers



Applications

AUTOMOTIVE :

Hybrid and EV Solutions, Conventional Powertrain, Safety and ADAS, Comfort.

INDUSTRIAL :

Transportation and Personal Mobility, Building and Factory, Industrial Motor Control

CONSUMER :

Major Appliances, Small Appliances, Residential HVAC, Gaming, Computers and Printing

ENERGY AND INFRASTRUCTURE :

Charging Infrastructure, Datacenter & Telecom, Power Supply, Solar Energy



New Products

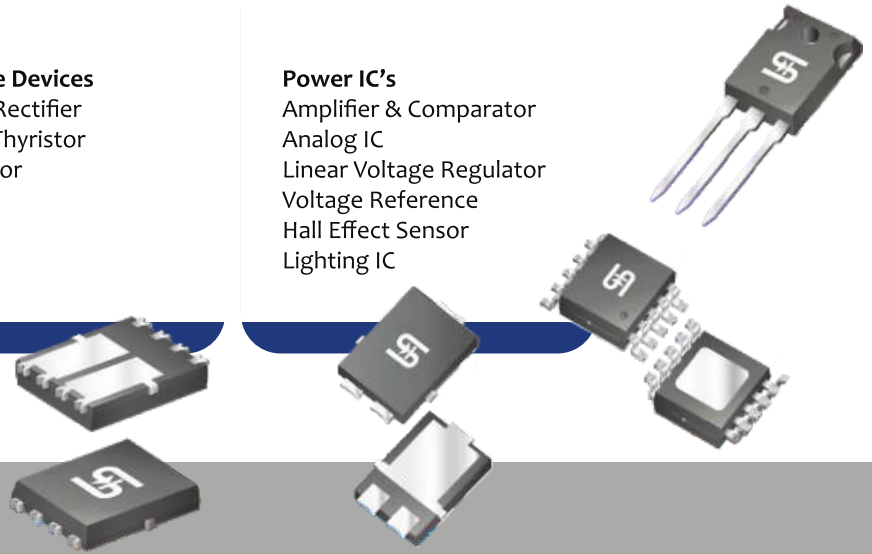
Diode
Linear Voltage Regulator
ESD Protection
Mosfet

Discrete Devices

Bridge Rectifier
Diac & Thyristor
Transistor

Power IC's

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



Applications:

Automotive, Smart Meter, Industrial, Telecom, Consumer, IOT, Electric Vehicles, POE, USB PD, USB Quick Chargers, Appliances, Medical Equipment's, Smart Lighting, Smart Homes, Automation, Power Tools, CCTV Power Supply.

MORNSUN

AC/DC Converter

- AC/DC Enclosed SMPS
- AC/DC Onboard

AC/DC Converter

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

Signal Isolation :

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

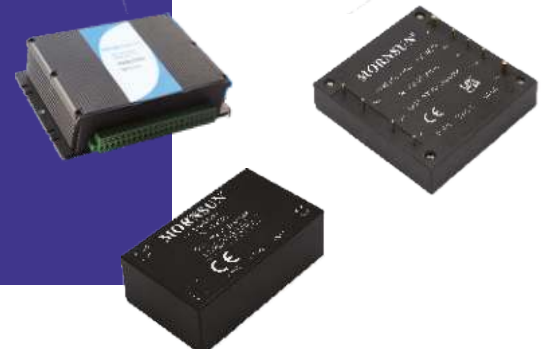


Others :-

LED /IGBT Driver (Sic /GAN) , AC/DC & DC/DC Power Supply Control IC's, Interface IC's, Startup IC's, Digital Isolators.

Application :

Consumer, Solar, Medical Devices, Telecommunication, Energy Storage /Charging power, Smart Grid, Railways, Automotive,



GaN Sense Power IC

Navitas' GaN Sense family offers loss-less current sensing integrated in the IC

GaN Sense Half-Bridge Power Ics

Half-Bridge Integration enables fastest switching, highest efficiency & power density using Soft-Switching topologies

GeneSiC Mosfet & Diode

Widest Range of SiC MOSFETs 750 V – 6.5 kV

SiC Schottky MPS™ Diodes

Merged-PIN Schottky (MPS) Diodes combine two beneficial features from the PIN and Schottky diode.



Let's go **GaNFast™**



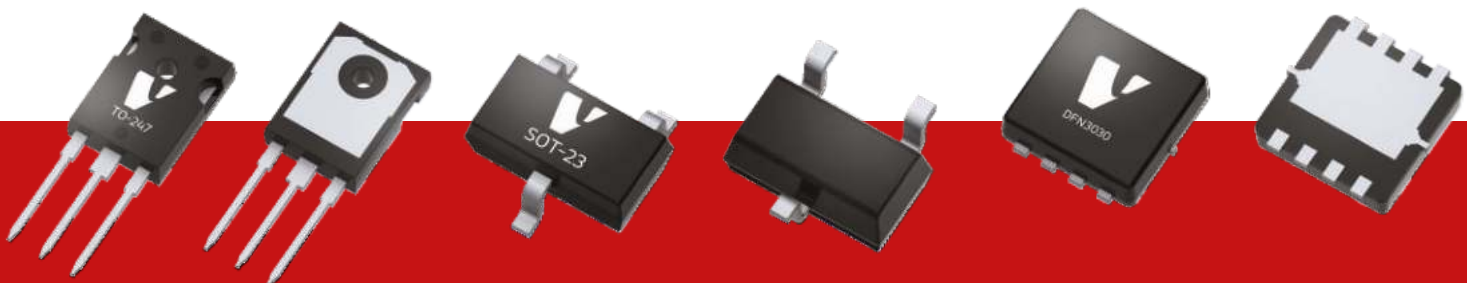
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Product Range :

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



Sensor

High reliability MEMS pressure
Micro-pressure MEMS pressure
High precision temperature/
humidity
Hall/ARM magnetic

Isolator & Interface

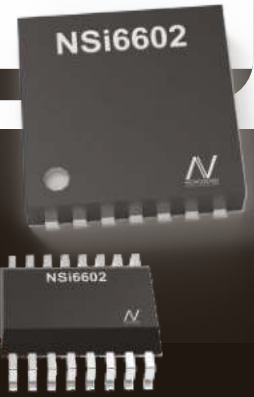
>10kV ISO process
CMTI >150kV/us
High speed ISO signal
transmission
Integrated ISO power
High precision ISO amp/ADC
High reliability I2C/485/
CAN/LIN interface

Signal Chain

High precision REF
(<5ppm/C)
High precision amplifier
(<1uV offset)
24-bit precision ADC
16-bit precision DAC
Digital signal processing
MUX & DMUX

Power & Driver

5A half-bridge ISO driver
SiC/IGBT driver with function
safety
Automotive Buck/Boost/LDO
Automotive LED drive



Automotive:

Automotive Sensor
Chassis Control Safety
Infotainment & Instrument
Automotive BMS
A/C Panel & Damper Control
Body Control
Lighting
Camera
Radar
ADAS
Fuel system
Motorcycle and general
purpose engine system

Industry & Energy:

Pressure
Temperature & humidity
Magnetic sensor
Mass energy storage
Charging pile
Industrial Motor Drive
Industrial Sensor
HVAC System
Elevator
Building Safety System

Consumer Electronics:

Infrared sensor
Pressure
MEMS microphone
Data storage
Personal Healthcare
White Goods & House Hold Appliances
Mobile, PAD & Peripherals
Audio & video entertainment
Conference system



LED Lighting IC's, LED Backlight IC's, DC DC IC's, Flyback IC's, PFC IC's, SR IC's, Protocol IC's,
Class D Audio Amplifiers, Mixed Signal IC's, Non Isolated Bick IC's, Wireless /IOT Control

Microcontrollers

8Bit Touch Key MCU, 8Bit General Purpose, 32 Bit General Purpose

Applications : Led Lighting , AC/DC Adapter, AC/DC Charger, Audio & Backlight, Motor Driver,
Home Appliances, AIOT, Networking Power, LCD-TV Power, MCU.



BRIGHTEN YOUR LIFE



MOTOR CONTROL



IC PORTABLE BATTERY

TOUCH DISPLAY

TN TFT
IPS TFT
Industrial/Large TFT
Wide Temperature TFT
Touch Module
Capacitive Touch Panel

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



Display & Touch



Embedded Solutions



Application :

Automotive : Clusters, Center Consoles, Rearview Mirror
Industrial & Automation : Industrial Application, POS & KIOSK, Office Automation
Intelligent Life : Appliance, Smart Home, Metering
Healthcare : Home Medical, Sports & Health



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
Certifications : AEC-Q100 , ISO262626 , IEC 60730 , IEC 61508



Applications :

BMS , Motor Control , BLDC , EV Charger , Panel Meter, Charging Station , Industrial , Automotive , Consumer , New Energy.



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

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

Applications

Communications :

WLAN, Telecom Server,
GPS System, Cell Phone /PDA,
Network Equipments

Consumer :

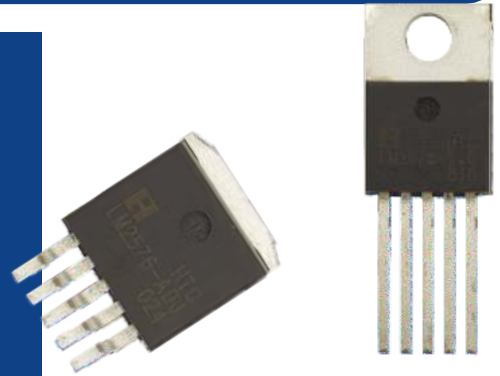
IP Phone, Audio System,
DVD Player, LCD/PDP Display,
Set-top Box

Automotive :

GPS System, Car Audio,
Car Navigation, Video Products
Computing : Desktop PC, Laptop,
Servers, Work Stations, Peripherals.

Computing :

Desktop PC, Laptop, Servers,
Work Stations, Peripherals.



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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 : 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, TWISI.

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 : 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





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



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.

Sensors :

Current Sensors, Pressure Sensors, Ultrasonic Sensors
Thermal Management :
 DC Fans, Heat Sinks, Peltier Devices, Thermal Accessories
Relays :
 Power Relays , Signal Relays

**** Custom Capabilities :** If one of our standard parts is not a fit, speak to us about our range of customization options for OEM business.



Bel Fuse- Circuit

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

Bel Magnetics

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

Bel Power Solutions

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

Cinch Connectivity

Solutions
RF Coax Connectors
Microwave Components
Fibre Optics
Rectangular & Circular
Connectors



Automotive :

Isolator
Motor Driver
Power Train
LDO
Sensor IC
Communication
Digital Clock

Power Management

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

Interface

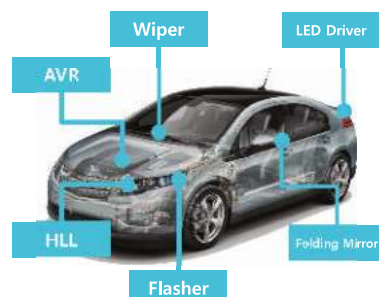
RS-232
RS-485
Isolator
Transmitter & Receiver

Analog & Mixed Signal

Audio System
Timers
Comparators
Telephone IC's
Real Time Clock ICs,
Melody ICs

Application :

Alternator, Ignition Control, Injection Control, Interior Light, Turn Signal Lamp, DRL, Digital Clock, Wash Wiper Driver, TACH/Speed Driver, Lamp Levelling Control, Power Folding Control, Home Appliances, White Goods, Constant-Current LED Driver, LED Display Driver, Universal High Brightness LED Driver.



Motor Driver IC



IR Receiver



LED Driver IC



Trimpot® Trimming Potentiometers

- Trimpot® Trimming Potentiometers – Multiturn
- Trimpot® Trimming Potentiometers – Single Turn
- Precision Potentiometers
- Turns-Counting Dials



* Channel Partner

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Lighting LED
Horticulture Lighting LED
UV LED
Flash LED
Automotive LED
Lamp LED
SMD LED
Digital Displays
Backlight LED
Signage LED

Infrared LED's

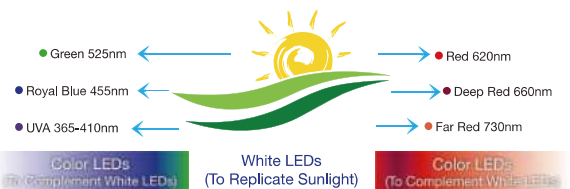
Infrared LED and Silicon
Detector
Infrared Receiver Module
Optic Fiber Device -
Photo Link
Optical Switch

Sensor

Ambient Light Sensor
Ambient Light and
Proximity Sensor
Color Sensor

Photo Coupler

Photo Transistor
Photo Darlington
Schmitt Trigger
Triac Driver
Photo Power Triac Driver
Solid State Relay
IGBT Gate Driver



Application

Lighting : General Lighting , Growth Lighting, UV Appliance, Agriculture Lighting
Consumer : Home Appliance, Wearable Device Health Care, Smart Device, Computer, Multimedia, Surveillance, Signage,
Industrial : Vehicle Charging Station, Motor Drive, BUS Interface, Elevator Control, Power Meter, Gas Meter, Water Meter, Medical Equipment

Automotive :

Interior : Switch & Cluster , Ambient Illumination
Exterior : Stop & Tail Lamp, DRL & Turning Signal, Fog & Head Lamp.



* Channel Partner

AUTHORISED DISTRIBUTORS



MORNSUN



CHANNEL PARTNERS

BOURNS

QUECTEL™

EVERLIGHT



Get In Touch

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