

POWER

Battery Management

- Chargers
- Fuel Gauges
- ID and Authentication
- Protectors, Monitors, and Selectors
- Battery Backup Devices
- Automotive Chargers and Monitors
- ASIL Safety Devices

DC-DC Switching Regulators

- Boost (Step-Up), Buck (Step-Down), Buck-Boost
- Inverting

Power Management ICs (PMICs)

- Wearable
- Low Power
- High Performance

Power Modules

- Step-Down
- CISPR-Compliant

MOSFET Drivers and Controllers

- MOSFET Drivers
- ORing FET Controllers

Charge Pumps

- Regulated/Unregulated
- Doubler, Inverter

Display Power and Control

- LCD Power
- Display Drivers
- CCFL Controllers
- Electroluminescent Drivers

Protection and Control

- Overvoltage Protectors
- Overcurrent Protectors
- Hot-Swap ICs
- USB Power Switches

Isolated Power

- Forward, Flyback
- Half-Bridge/Full-Bridge
- Push-Pull

LED Drivers

- Buck, Boost, Buck-Boost, SEPIC
- Matrix Manager
- H-Bridge
- Linear

Low-Dropout Linear Regulators (LDOs)

- High V_{IN} /Low V_{IN}
- Very Low Dropout

Power-Over-Ethernet (POE)

- Power Sourcing Equipment
- Powered Devices

Motor Drivers

- DC Motor Drivers

Supervisors and Sequencers

- Microprocessor Supervisors
- Power-Supply Sequencers
- Security Managers
- Switch Debouncers
- Watchdog Timers

INTERFACE

1-Wire® Devices

- Secure Authenticators
- Memory: EPROM, EEPROM, ROM
- Temperature Sensors and Switches
- Data Loggers
- Battery Fuel Gauges, ID, and Protectors
- 1-Wire Master

Broadband Switches

- PCIe, SATA, SAS
- Video (Display Port, DVI, HDMI)

Controllers/Expanders

- I/O Port Expanders
- Key-Switch Controllers
- Smart Card Readers
- UARTs

Digital I/O

- Digital Input Translators/Serializers
- Digital Output Drivers
- Configurable Input/Output

High-Speed Signaling

- Buffers and Fanout
- Equalizers: Cable and Circuit Board
- Automotive GMSL SerDes
- Serializers and Deserializers
- Switches, Multiplexers, Demultiplexers

IO-Link

- IO-Link® Master Transceivers
- IO-Link Device Transceivers
- Binary Drivers

Isolation ICs

- Digital Isolators
- Isolated RS-232/RS-485
- Isolated CAN Transceivers
- Isolated ADC

Level Translators

- Logic Level
- High Speed

Sensor Interface

- Sensor Interface ICs
- Sensor Signal Conditioners
- RTD/Thermocouple Interface

Signal Line Protection

- Current-Limit Switches
- ESD Protection Diodes
- Signal-Line Protectors
- Automotive Switch/Contact Monitors

Signal Integrity

- Equalizers/Drivers
- Repeaters/Buffers

Transceivers

- CAN and LIN
- Multiprotocol
- RS-232 and RS-485/RS-422

USB

- Transceivers
- Controllers
- Power Switches
- On-the-Go (OTG)
- Chargers/Detectors
- Host Adapter Emulators

ANALOG

Amplifiers

- Comparators
- Current-Sense Amplifiers
- Instrumentation/Difference Amplifiers
- Operational Amplifiers
- Wideband Amplifiers
- ATE Drivers/Comparators

Switches and Multiplexers

- Beyond-the-Rails™
- Low-, Mid-, and High-Voltage
- High-Voltage Pulsers

Audio

- CODECs and DACs
- Jack Detectors
- Headphone Amplifiers
- Microphone Amplifiers
- Volume Control Devices
- Speaker Amplifiers
- Amp/Line Driver/Receivers

Clock Generation and Distribution

- Fanout Buffers
- Oscillator Modules (TCXO, VCXO, XO)
- Silicon Oscillators
- VCOs and VCO Buffers
- Delay Lines, Counters, and Timers

Data Converters and AFEs

- Analog-to-Digital Converters
- Digital-to-Analog Converters
- Digital Potentiometers
- High-Speed Analog Front-Ends (AFEs)
- Ultrasound AFEs

Filters

- Active Filters

Real-Time Clocks

- Low Power
- High Accuracy
- Rugged (MEMS-based)
- Integrated Resonator

Video

- Amplifiers and Buffers
- Crosspoint Switches and Multiplexers
- Digital Equalizers/Redrivers

Voltage References

- Series (3-Terminal)
- Shunt (2-Terminal)

COMMUNICATIONS

Optical Communications

- Fiber Monitoring and Control
- Laser Drivers
- Limiting Amplifiers and TIAs
- Optoelectronic Transceivers

Powerline Communications

- PLC Modem
- Digital Baseband IC
- Transceiver/Line Driver

Wireless and RF

- Amplifiers (LNA, PA, VGA, Gain Blocks)
- I/Q Modulators and Demodulators
- Integrated Transceivers, Receivers, and Transmitters
- Mixers (Upconverters, Downconverters)
- PLL/VCOs, VCOs, VCO Buffers
- RF Power Detectors
- RF Predistortion and PA Linearizer ICs
- RF DACs and DUCs

SENSORS

Healthcare Sensors

- Optical Sensors
- Biopotential
- Wearable

Temperature Sensors

- Local, Remote
- Wearable
- Temperature Switches
- Fan Controllers

EMBEDDED SECURITY

Secure Authenticators

- Symmetric, Asymmetric
- SHA, ECC, ECDSA
- ChipDNA™ (PUF)

Secure Managers

- Internal Memory
- I²C, SPI, UART Interface
- Low-Power

NFC/RFID

- Secure NFC Tags
- Secure RFID Readers

iBUTTON® AND MEMORY

iButton and Data Loggers

- iButton Devices
- Readers and Adapters
- Data Loggers
- Serial Number, eCash

Memory

- 1-Wire Memory (EPROM, EEPROM, ROM)
- Nonvolatile RAM Controllers
- Nonvolatile SRAM

MICROCONTROLLERS

Ultra-Low Power

- 16-/32-Bit MCUs
- Arm®-Based
- General Purpose

Secure and DeepCover

- DeepCover®
- Integrated Nonvolatile SRAM

RESOURCES

Parametric Search

Start by using our parametric search tool. Use the filters and controls to narrow down your options.

EE-Sim Design and Simulation Tool

Accelerate your design using the online simulation tool.

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