

Analog, Digital, and Mixed-Signal Solutions from DC to GHz

1-Wire® and iButton® Devices

- 1-Wire Devices
 - 1-Wire Interface Products
 - Battery Protectors, Selectors, and Monitors
 - Memory: EPROM, EEPROM, ROM, and NV SRAM
 - Temperature Sensors
 - Timekeeping and Real-Time Clocks
- iButtons and Accessories
 - iButton Products
 - iButton Readers and Adapters
 - iButton Mounting Options
 - iButton Starter Kits

Amplifiers and Comparators

- Amplifiers
 - Amplifier + Comparator + Reference ICs
 - Current-Sense Amplifiers
 - Instrumentation/Difference Amplifiers
 - Operational Amplifiers
 - Programmable Gain Amplifiers
 - ALSO SEE: Audio and Video Products
- Comparators
 - Comparator + Reference ICs
 - Hi-Speed and Dual-Speed Comparators
 - Low-Power Comparators

Analog Switches and Multiplexers

- Audio/Video Multiplexers and Crosspoints (Active)
- Audio/Video Routing (Passive)
- Relay Drivers
- Switches and Multiplexers
- USB Analog and Power Switches

Audio

- Audio Subsystems
- Audio Routing (Unbuffered)
- Integrated Audio Amp/Line Drivers/Receivers
- Audio Data Converters
- Click-and-Pop Suppression Amplifiers
- Headphone Amplifiers
- Microphone Amplifiers
- Speaker Amplifiers
- Volume Control

Automotive

- Amplifiers
 - Current-Sense Amplifiers
 - Operational Amplifiers
- Analog Switches and Multiplexers
- Audio
- Comparators
- Data Converters
- Displays
 - Display Controllers
 - High-Brightness LED (HB LED) Drivers
 - LCD Display Backlighting
- Filters (Analog)
 - Switched Capacitor
 - Video Reconstruction
- Hot-Swap Controllers
- Interface
 - Controller Area Network (CAN)

- Local Interconnect (LIN)
- RS-232 Line Drivers/Receivers
- RS-485/RS-422 Line Drivers/Receivers
- Switch/Contact Monitors
- Power Management
 - DC-DC Switching Regulators
 - LCD Power Supplies
 - Linear Regulators
 - Microcontroller Supervisors
 - MOSFET Drivers
 - Multifunction PMICs
 - Overvoltage-Protection Controllers
 - Voltage References
- Real-Time Clocks
- Sensors and Sensor Interface
- Silicon Oscillators
- Thermal Management
- Video
- Voltage References
- Wireless and RF

Clock Generation and Distribution

- Clock Distribution (High-Speed Differential Signaling)
- Clock Generators
- Counters and Timers
- IEEE 1588 Timing-over-Packet
- Buffers and Fan-Out Buffers
- Level Translators
- Delay Lines
- Oscillators
 - Silicon Oscillators
 - Oscillator Modules (TCXO, DTCXO, VCXO, XO)
- Timing Card and Line Card ICs

Data Converters & Sample-and-Holds

- Analog-to-Digital Converters (ADCs)
 - Display-Oriented ADCs
 - High-Speed ADCs (≥ 5 Msps)
 - Precision ADCs (Up to 5 Msps)
- Digital-to-Analog Converters (DACs) and Sample-and-Holds
 - High-Speed DACs (≥ 1 MHz)
 - Precision DACs (Up to 1 MHz)
 - Sample-and-Holds for DAC Expansion
- Analog Front-End ICs
- Touch Interface and Haptics

Digital Potentiometers

- Fiber Monitoring and Control
- Linear Taper
- Log Taper
- Programmable Precision Voltage Dividers

Energy-Measurement & Metering SOCs

- Embedded Energy-Measurement SOCs
- Metering SOCs

Filters (Continuous and Switched Capacitor)

Hot-Swap, PoE, and Power Switching

- Hot-Swap Controllers
- Power-over-Ethernet Solutions

- Powered Devices
- Power-Sourcing Equipment
- Power Switching
 - Battery-Source Selectors
 - Current-Limit and USB Power Switches
 - MOSFET Drivers, OR-ing FET Controllers
 - Overvoltage-Protection Controllers
 - Power-Plane/Card-Bus Switches
 - Relay Drivers

Interface, Interconnect, and Signal Integrity

- CAN and LIN
- High-Speed Interconnect (Differential Signaling)
- Serializers/Deserializers
- Equalizers and Re-Drivers
- I/O Port Expanders and Port Selectors
- IrDA
- Level Translators
- Multiprotocol Transceivers
- RS-232 and RS-485/RS-422 Transceivers
- Smart-Card Interface
- Terminators and Protectors
 - E1/T1 Termination
 - ESD and Signal-Line Protectors
 - Switch Debouncers/Protectors
 - Current-Limit and Overvoltage Protectors
- Key-Switch Controllers
- Ethernet MII Conversion
- Ethernet Transceivers
- IO-Link Transceivers
- Switches and Muxes (I²C, LAN, USB, VGA, DP, SAS/SATA, PCIe, HDMI/DVI)
- Buffers, Repeaters and Retimers
- UARTs
- USB (Switches, Controllers, OTG, Transceivers)

LED Lighting and LCD Display ICs

- CCFL Controllers
- Direct-from-Battery LED/GPIO Drivers
- Display-Driving Counters
- Display-Oriented ADCs
- Gamma Buffers
- High-Brightness LED (HB LED) Drivers
- LCD Power Supplies
- LED, Segmented and VFD Display Drivers
- Touch Interface Products
- VCOM Drivers
- White-LED (WLED) Drivers

Memory

- 1-Wire Memory: EPROM, EEPROM, ROM
- NV SRAM
- NV RAM Controllers
- NV Timekeeping RAM
- Secure Memory Devices

Microcontrollers

- General-Purpose Microcontrollers
- Low-Power Microcontrollers
- Secure Microcontrollers
- ALSO SEE: Energy-Measurement & Metering SOCs

Analog, Digital, and Mixed-Signal Solutions from DC to GHz

Military/Aerospace (SMD, 883B, and Ruggedized Plastic)

- High-Speed Amplifiers
- Analog Switches and Multiplexers
- Data Converters
- Filters (Continuous and Switched Capacitor)
- MOSFET Drivers
- Capacitor Charge Pumps
- DC-DC Switching Regulators
- Linear Regulators
- Battery Backup Circuits
- RS-232 and RS-485/RS-422 Transceivers
- Microprocessor Supervisors
- Video Amplifiers

Optoelectronics

- Clock and Data Recovery
- Datacom Serializers/Deserializers/SerDes
- Digital Potentiometers
- Optoelectronic Components
 - Laser Drivers
 - Limiting Amplifiers
 - Transimpedance Amplifiers
- Fiber Monitoring and Control
- High-Speed Interconnect (Differential Signaling)
- ALSO SEE: T/E Carrier and Packetized Products

Power and Battery Management

- Battery Management
 - Battery Chargers
 - Battery Fuel Gauges
 - Battery ID Products
 - Battery Protectors, Selectors, and Monitors
 - USB Host Adapter Emulators
- Capacitor Charge Pumps
- DC-DC Switching Regulators
- Display and LED Power (See LED Lighting and LCD Display ICs)
- Hot-Swap, PoE, and Power Switching (See Hot-Swap, PoE, and Power Switching)
- Isolated Power Supplies
- Linear Regulators
- MOSFET Drivers, OR-ing FET Controllers
- Multifunction PMICs
- Supervisors and Sequencers (See Supervisors, Voltage Monitors, and Sequencers)
- ALSO SEE: Voltage References

Powerline Networking

Protection and Isolation

- ±15kV ESD Protected
 - Analog Switches/Multiplexers
 - ESD-Protection Diodes
 - RS-232 and RS-485/RS-422 Transceivers
- Isolation
 - Isolated Power Supplies
 - Isolated RS-232 and RS-485/RS-422 Transceivers
- Overvoltage Fault Protected

- Analog Switches/Multiplexers
- Current-Limit Switches
- Li+ Battery Protectors
- Overvoltage-Protection Controllers
- RS-485/RS-422 Transceivers
- Signal-Line Protectors
- SIM/Smart-Card Level Translators
- Switch Debouncers/Protectors

Real-Time Clocks

RF and Analog Mixed-Signal ASICs

Security and Authentication

- Security Managers
- Secure Memory and Authentication
- Secure Microcontrollers

Sensors and Sensor Interfaces

- Optical Sensors
- Temperature Sensors
- Sensor Signal Conditioners
- Sensor Interfaces
- Sensor Communications Interface

Signal Integrity and Conditioning

- Desktop and Notebook Computing
 - DisplayPort Switches & Muxes
 - LAN Switches & Muxes
 - PCIe® Buffers, Redrivers, Switches & Muxes
 - USB Switches & Muxes, Crosspoints
 - VGA Switches & Muxes
- Server and Storage
 - SAS/SATA Redrivers, Port Selectors
 - SAS/SATA Repeaters, Buffers, Retimers
 - PCIe Repeaters, Buffers, Retimers
- Digital Video Interface
 - DisplayPort Switches & Muxes
 - HDMI®/DVI Equalizers, Drivers, Switches
- Switches, Routers, Cable Assemblies

Storage

- SAS/SATA
- Enclosure Management

Supervisors, Voltage Monitors, and Sequencers

- Microprocessor Supervisors
 - Multivoltage Monitors
 - Simple Reset/POR
 - Voltage Detectors and Battery Monitors
 - Watchdog Timers
- Nonvolatile RAM Controllers
- Power-Supply Sequencers and Voltage Trackers
- Regulator + Reset ICs
- Security Managers
- Switch Debouncers and Pushbutton Devices

T/E Carrier and Packetized Communications

- Clock Synchronization
- T1/E1/J1 Transmission

- T3/E3 Transmission
- Carrier Ethernet Transport
- Clock Synchronization
- FXO and Modem ICs
- STM1E/E4 Line Interface Units
- TDM-over-Packet/Circuit Emulation
- ALSO SEE: Optoelectronics

Thermal Management

- iButton Temperature Loggers
- Temperature Sensors
 - Analog Temperature Sensors
 - Digital Temperature Sensors (Remote and Local)
- Fan Controllers
- Temperature Switches

Video

- Video Amplifiers, Buffers, Line Drivers/Receivers
- Audio/Video Routing (Passive)
- Video Equalizers (Analog and Digital)
- Video Filters
- H.264 Codecs
- SCART Audio/Video Switches
- Video Multiplexers and Crosspoints (Active)
- Video On-Screen Display (OSD) Generators
- Video Signal Conditioners
- Video Signal Processing
- Y/C Summers

Voltage References

- Amplifier + Comparator + Reference ICs
- Comparator + Reference ICs
- Voltage References

Wireless and RF

- Amplifiers
 - CATV and Upstream Amplifiers
 - Low-Noise Amplifiers
 - Power Amplifiers/Drivers
 - Variable-Gain Amplifiers (VGAs) and Attenuators
- Bias Controllers
- Upconverter and Downconverter Mixers
- Quadrature Modulators and Demodulators
- Receivers (Cellular, Femto, ISM, STB/TV, Digital Radio, GPS)
- RF Power Detectors
- RF Predistortion ICs
- Transceivers (Cellular, Wi-Fi®/WLAN, WiMAX™, ISM)
- Transmitters (Cellular, Femto, ISM, Broadband)
- VCOs and VCO Buffers/Splitters
- Vector Multipliers (Gain and Phase Adjusters)
- ALSO SEE: RF and Analog Mixed-Signal ASICs

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