



# Maxim's Product Portfolio for Automotive Applications

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

## Amplifiers and Sensors

- ✓ Op Amps/Comparators
- ✓ Current-Sense Amplifiers
- ✓ Hall-Effect and VR Sensor Interfaces

## Analog Switches and Multiplexers

- ✓ Overvoltage-Protection Controllers

## Audio and Video Products

- ✓ Speaker Drivers
- ✓ Headphone Drivers
- ✓ Volume Control ICs
- ✓ Audio Amplifiers/Switches
- ✓ Audio Multiplexers
- ✓ Audio Crosspoints
- ✓ Video Line Drivers
- ✓ Video Line Receivers
- ✓ Video Muxes and Crosspoints

## Counting, Delay Lines

- ✓ Real-Time Clocks, Timekeeping ICs
- ✓ Temperature-Compensated Crystal Oscillators
- ✓ EconOscillator™/Divider ICs

## Data Converters and Sample-and-Holds

- ✓ Analog-to-Digital Converters
- ✓ Digital-to-Analog Converters

## Digital Potentiometers

- ✓ Various

## Display and Lighting Solutions

- ✓ LED Drivers
- ✓ VFD Drivers
- ✓ OLED Drivers
- ✓ White-LED Inductor-Based Drivers
- ✓ HB LED Drivers
- ✓ LCD/ECB/CCFL Display Bias Supply ICs

## Fiber and Communications

- ✓ Transimpedance Amps (MOST®)
- ✓ Laser Drivers (MOST)
- ✓ High-Speed Interconnect (LVDS)

## High-Frequency ASICs

## Interface and Interconnect

- ✓ RS-422/RS-485 Line Driver/Receivers
- ✓ CAN, LIN J2602, LVDS, USB ICs
- ✓ SPI™/MICROWIRE™-Compatible UARTs
- ✓ Level Translators
- ✓ USB Protection Circuits
- ✓ USB Peripheral Controller with SPI Interface
- ✓ Antenna Switches

## Microcontrollers

- ✓ Microcontrollers with ADCs
- ✓ Supervisors
- ✓ Regulators and Reset Circuits
- ✓ 16-Bit Microcontrollers
- ✓ Battery-Monitoring Microcontrollers
- ✓ Ultrasonic Park-Assist Microcontrollers
- ✓ Steer-Sensing Microcontrollers

## Power Supplies/Battery Management

- ✓ Switchmode DC-DC ICs
- ✓ Low-Dropout Linear Regulators
- ✓ Low-Side/High-Side MOSFET Drivers
- ✓ LED Drivers
- ✓ OR-ing MOSFET Drivers
- ✓ Battery Chargers
- ✓ Battery Protectors, Selectors, Monitors
- ✓ Regulator and Reset Circuits
- ✓ Current-Sense Amplifiers
- ✓ RF Low-Noise LDOs

## Protection and Isolation

- ✓ ±15kV ESD-Protected RS-232 and RS-485 ICs
- ✓ Protected Switches and Muxes
- ✓ Overvoltage Fault-Protected Switches and Muxes
- ✓ Signal-Line Protectors
- ✓ ESD-Protection Diodes

## Sensors, Conditioners, Thermal Management

- ✓ Temp Sensors and Switches
- ✓ Sensor Signal Conditioners

## Touch Interface Products

- ✓ Resistive Touch-Screen Controllers
- ✓ Resistive Touch-Screen Controllers with Integrated Tactile Feedback Drivers

## Voltage References

- ✓ Voltage References
- ✓ Amplifier + Comparator + Reference Circuits
- ✓ Comparator + Reference Circuits

## Wireless, RF, GPS

- ✓ RKE, TPMS, GPS ICs
- ✓ Front-End Receivers
- ✓ IF I/Q Demodulators/Modulators
- ✓ Vector Modulators/Multipliers
- ✓ IF Transceivers
- ✓ RF Transceivers
- ✓ Low-Noise Amplifiers (LNAs)
- ✓ RF and IF Variable-Gain Amplifiers
- ✓ Power Amplifiers/Drivers
- ✓ RF Predistortion ICs
- ✓ Receive System ICs
- ✓ RF Power Detectors
- ✓ VCOs/VCO Buffers
- ✓ FM Transmitters



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