AUTOMOTIVE POWER FEATURE

Designing a Wide Voltage Range Automotive Circuit Protector

Ignition cranking during startup and load dumps during shutdown are common sources of voltage transients on an automotive supply line. These undervoltage (UV) and overvoltage (OV) transients can have significant magnitudes and will damage circuits that are not designed to operate during these extremes.

Read more

AUTOMOTIVE SOFTWARE NEWS

OmniVision Launches Automotive SoC for Entry-Level Rearview Cameras

OmniVision Technologies, Inc. announced the OX01E10 SoC designed to provide automotive designers with imaging performance for entry-level rearview cameras (RVC). The OX01E10’s image sensor is built on the PureCel Plus pixel architecture.

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AUTOMOTIVE CONNECTIVITY NEWS

Quectel Launches Wi-Fi 6 Modules for Indoor, Automotive Performance

Quectel Wireless Solutions released a series of Wi-Fi 6 modules, including the industrial-grade FG50X series based on the Qualcomm FastConnectTM 6800 mobile connectivity subsystem, and the AF50T based on the Qualcomm Automotive Wi-Fi 6 chip.

Read more
Uhnder and dSPACE Establish Cooperation for Radar Technology Development

Uhnder has developed a digital Radar-on-Chip (RoC), using a combination of advanced CMOS and Digital Code Modulation (DCM) technology. Uhnder's 4D, digitally-modulated radar chip offers performance by integrating 192 virtual channels onto a single chip and pioneers High Contrast Resolution (HCR).

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AUTOMOTIVE SENSORS NEWS

ACEINNA Launches 1.3?/hr IMU Sensor

ACEINNA announced the availability of the new ACEINNA IMU383ZA, a triple-redundant, three-axis MEMS accelerometer and gyroscope sensor, measuring at 24mm x 37mm x 9.5mm.

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WEBCAST

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AUTOMOTIVE POWER FEATURE

Re-Engineering the Power Inductor for Automotive "Electric Everything"

In the past, car salespeople have used the phrase "electric everything" to describe extravagant luxuries such as powered windows and a sunroof, and maybe - at the extreme high end - adjustable door mirrors and heated seats. In today's world, it's almost a literal statement. Major functions including power steering, engine ancillaries such as the water pump, and automatic clutch and gearbox controls are converting to electric operation.

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