

## Hall 4A Booth 122

### MAXIM - GREEN POWER AND ENERGY MANAGEMENT

- Lowest Power PMIC Harvests Energy from Sources as Low as 1  $\mu$ W
- 10 W H-Bridge Transformer Driver Simplifies Isolated Power-Supply Designs
- Industrial-Grade High Brightness LED Drivers Simplify Incandescent Bulb Replacement
- Robust OFDM Power Line Communication (PLC) Modem for Noisy Industrial Environments
- Smart Meter and Industrial Control PMIC Accelerates Time-to-Market and Reduces System Cost

### MAXIM - SIGNAL CHAIN

- Industry's Smallest, Full-Featured IO-LINK<sup>®</sup> Compliant Solution for Sensors and Actuators
- Standard Analog Switch with 72 V Operation for Industrial Designs
- SHA-256-Based IP Protection Increases Security for Embedded Designs
- 18-bit DAC Integrates Output and Reference Buffers to Simplify Design
- 14-bit 2.3 Gsps DAC Synthesizes High Quality Signals from DC to More than 2 GHz
- Beyond-the-Rails Multiplexer Switches USB and RS-232 Signals Using only a 5 V Supply
- 24-bit, 16 ksp/s ADC with Ultra Low Noise PGA for Precision Sensor Applications

### PLX

- PCI Express Switches Ranging from 3 Lanes and 3 Ports to 96 Lanes and 24 Ports
- Industry's only Production-Ready PCIe Gen3 Switches
- Multi-Port Low Power 10GBase-T Ethernet PHYs with Multiple MAC Interfaces
- High Performance USB 3.0 to PCI Express Gen2 Devices, and USB 3.0 to SATA Bridges
- PCI Express Clustering Allowing High Performance Host-to-Host Interconnect and Ethernet over PCIe
- I/O Sharing of PCIe Devices Using Gen3 PCIe Switches

### WIRELESS

- SX1232 Low Power- High Performance ISM Band TRx with 10 mA in Rx Mode and Automatic Preamble Detection from Semtech
- SX1230 Wireless Switching Module Plus SX1212 Lowest Power ISM TRx from Semtech
- IEEE 802.11 a/b/g/n/VT WLAN Modules from Wi2Wi and aprm communication
- Bluetooth Modules Class 1 + 2 from Laird Technologies
- ISM Band Modules up to 3 km Free Air Range from Laird Technologies
- Plug & Play GSM and UMTS Modems (2G, 3G, 3G+, LTE ) for M2M or Tracking Applications from Sierra Wireless
- Wireless MBus Solution Including Comprehensive WMBus Stack from Silicon Labs
- Ultra Low Power Wireless and Single Chip Solutions for Sub-GHz Communication from Silicon Labs
- Customised Antennas (300 MHz to 5 GHz) from Smarteq
- GPS Modules from Leadtek and Wi2Wi
- The World's Most Energy Friendly ISM Band (167 MHz to 2.5 GHz) System on Chip (Cortex-M3) and Transceiver Products from Energy Micro
- WLAN Power Amplifier and Front End Devices from Microsemi



Avnet Memec and its supplier partners present the latest products and technologies at ten demo stations. Find the ideal solution for your application.

Highly skilled application engineers from Avnet Memec present and explain the latest products and technologies. We support you from the concept phase right through to implementation. As a result, we guarantee a fast realisation of your projects with rapid time-to-market, cost-effective and competitive solutions.

### MARVELL

- Multi-Core ARM-Based SoCs – up to 2 GHz per Core, up to 4 Cores
- GHz ARM-Based Processors with High Performance Graphics for Handheld Applications
- Audio Video Bridging (AVB / IEEE1588) – QoS over Ethernet
- GbE to PCIe Solutions
- Multi-Port Ethernet Transceivers & Switches from 100 Base-T to +10 GbE
- Storage Controller incl. SAS / SATA / RAID / NAS
- Power Management Solutions for all of the Above

### INDUSTRIAL COMMUNICATION

- The All-In-One IO-Link Solution for Master and Slave from Renesas Electronics
- Industrial Ethernet PHY with IEEE1588 (Single-, Dual-Channel) from Renesas Electronics, Supporting all Real Time Ethernet Standards
- USB 3.0 Super Speed Host and SATA-Bridge, USB 2.0 High Speed Host and Hub from Renesas Electronics
- TPS-1 PROFINET IO Device Chip with Integrated IRT Switch and PHY from Renesas Electronics
- Fiber Optical Transceivers from Finisar
- Ethernet: GbE PHYs, Industrial 10/100 Networking, IEEE 1588 Switches, ArcNet & CirLink from SMSC
- High Speed USB 2.0 to 10/100 & GbE Ethernet Controllers from SMSC
- High Speed USB 2.0 Card Readers, Hub Controllers and PHY Transceivers from SMSC
- Capacitive Touch, Proximity Sense and Industrial & Embedded I/O Devices from SMSC
- Single and Multiclocks for PCIe with High Frequency and Spread Spectrum Flexibility from Silicon Labs
- Power over Ethernet Solutions from Microsemi

### INTERSIL

- Lowest Power High Performance ADCs
- High Performance Solutions for the Signal Chain
- Integrated Video Products
- New Levels of Simple and Efficient Power Management Solutions
- Embedded Power Solutions Specialised for
  - Intel and AMD Chipsets
  - FPGAs from Altera, Microsemi and Xilinx
- Broad Range of Proximity and Ambient Light Sensors

### ANALOG & POWER

- SX8723 High Precision Zooming ADC for Pressure and Temperature Sensing from Semtech
- SX8674 4-5-Wire Resistive Multitouch Controller with Proximity, Haptic and Integrated ESD from Semtech
- CSS484 new 4-Channel Energy Measurement IC with SPI / UART Interface for Energy Monitoring from Cirrus Logic
- Digital Isolation from 1-6 Channels up to 150 Mbps and up to 5 kV Isolation from Silicon Labs
- Proximity Sensors for Industrial Touch Applications from Silicon Labs
- Fully-Integrated and Isolated Current Sensor ICs in Small-Sized Packages from Allegro
- PowerMOSFET and Optocoupler from Renesas Electronics for Industrial and Automotive Applications
- ESD Chip Solutions to Protect all Kinds of Interfaces from Semtech
- 600 V / 1200 V IGBT and PowerMOSFET Transistors and Modules from Microsemi

### ECHELON

- Free Topology Smart Transceiver
  - Excellent Noise Immunity and High Network Communications Integrity
  - Flexible Topology Support - Bus, Loop, Star
  - Lower Solution Costs - no Extra Shielding, only one Termination, Polarity Insensitive, High Fault Tolerance
- Power Line Smart Transceiver
  - Dual Carrier Support - no Loss of Communications
  - High Signal to Noise Ratio
  - Fourth Generation Multi-Processor Solution for Meters, Solar and Managed Street Lighting Applications

### MICROCONTROLLER & MICROPROCESSOR

- EFM32 – Ultra Low Power ARM Cortex-M3/M0 Microcontroller – the World's Most Energy Friendly MCU from Energy Micro
- V850 32-bit RISC MCU, Huge Portfolio from Small Form Factor to High Performance, Single-, Dual-Core, Ethernet, USB, CAN from Renesas Electronics
- RL78 Ultra Low Power 16-bit MCU Family – 66  $\mu$ A / MHz / 0.57  $\mu$ A RTC + LVD, High Integration, High Efficiency, Safety Features from Renesas Electronics
- RX 32-bit MCU Family, 100 MHz Single Cycle Flash Access, Floating Point Unit, Motor Control, Ethernet, USB, CAN from Renesas Electronics
- Ultra Low Power Microcontroller with Advanced Analog Features from Silicon Labs
- Lowest Power Metering MCU with Specific Power Management Unit from Silicon Labs
- XE8810 High Resolution Data Acquisition SoC from Semtech
- SmartFusion: The Cortex-M3 System-on-Chip FPGA with Analog Functions from Microsemi