I/O AND NETWORKING FEATURE

USB Type-C: The ?Universal? Connector (Yeah Right?)
NICK CRAVOTTA

There’s a lot of noise about how USB Type-C is going to be the universal connector. I found myself buying into the excitement. At least until I bought a new MacBook Pro.

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POWER ELECTRONICS NEWS

Power Integrations? CAPZero-3 X-Capacitor Discharge ICs Reduce Standby Power in Appliance Apps
ALIX PAULTRE, SENIOR TECHNOLOGY EDITOR

Power Integrations unveiled the CAPZero-3, their latest X-capacitor discharge ICs, in values from 100 nF to 6 ?F. The two-terminal devices enable designers to meet IEC60335 safety approvals for major appliances, the discharge safety standard.

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AUTOMOTIVE ADAS NEWS

Porsche Invests in Israeli Startup TriEye to Address Road Visibility and Safety
Industrial designs are evolving with a steady rise in compute and graphics capabilities, as well as the availability of flexible network configurations via I/O and wireless connectivity, to serve a wide array of applications.

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RICH NASS, EXECUTIVE VICE PRESIDENT

The tools are generally keeping pace, but that doesn?t make them any easier to use. In this week?s Five Minutes With?podcast, I spoke to Lawrence Romine, a vice president of Altium, one of the leaders in PCB design. We also chatted briefly about the company?s annual conference, Altium Live, that teaches designers the ins and outs of PCB design.

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DEVELOPMENT TOOLS & OS NEWS

Winners of Digi-Key/Cypress Design Challenge Announced

EMBEDDED COMPUTING DESIGN

Embedded Computing Design, which fosters the largest embedded engineering community across digital, print, and live event platforms, recently launched a design challenge in partnership with Digi-Key Electronics and Cypress Semiconductor. In the two-phase challenge, engineers were asked to come up with a design based on one of two Cypress development kits, the CYW20819 Bluetooth 5 Arduino Eval Board or the EZ-BT? Cypress Bluetooth Mesh Development Kit.

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congatec Supports 8x Version of NXP i.MX 8 Processor on the SMARC 2.0 and Qseven Module Standards

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Annapolis Micro Systems, Inc.

Up to 64 TB Data Storage & 10 GB/s Bandwidth for OpenVPX

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mPCIe-DIO Series: PCI Express Mini Cards for Easy and Flexible Digital I/O Expansion

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SPONSORED ARTICLE
Self-Assessment: A Necessity for Design Readiness
AVNET

Self-assessment occurs by walking the customer through product strategies, value propositions, technology stacks, and how to execute on them. It also asks the question of whether you are partnering with the right people and whether your organization is mature enough to go through seven specific areas of evaluation.

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SPONSORED BLOG
Why Choose Between an FPGA and an MCU When you Can Have Both? with Security?
INTRINSIC ID, INC.

Every day, millions of new devices get connected to the Internet of Things (IoT), and without a proper secure-by-design approach, these devices add unnecessary risk and liability for network operators, OEMs and end users.

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Engineer’s Guide to 5G Semiconductor Test
NATIONAL INSTRUMENTS

Wideband 5G IC test is complex. The Engineer’s Guide to 5G Semiconductor Test is here to help. A must-read for anyone navigating the time, cost and quality trade-offs of sub-6 GHz and mmWave IC test, the guide features color diagrams, recommend test procedures and tips for avoiding common mistakes.

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Medical Device Safety and Security: Obvious but not easy to achieve
BLACKBERRY | QNX
With accelerating technology innovation, medical devices are becoming more sophisticated and more connected. Consequently, as in most mission-critical systems, safety and security are two increasingly vital requirements in medical device design.

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Enabling the Migration to Software-Defined Platforms for Critical Infrastructure

WIND RIVER

Embedded systems used in critical infrastructure are undergoing a dramatic evolution. The advent of ubiquitous network connectivity has accelerated innovation of embedded systems at the network edge.

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A Smart App Can Boost Your Productivity

AVNET

Most of us are familiar with the term ?apps.? If you combine the top repositories, like the Apple App Store, Google Play, and those offered by Microsoft, Amazon, and Blackberry, you come up with well over 5 million apps.

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HPEC Data Logging ? 4.4 GigaByte/Second Data Logging for Level 5 Autonomous Driving

EUROTECH

Enable Deep Learning at the Edge with Eurotech Mobile High Performance Embedded Computing (HPEC) Systems. Download this paper to learn how Eurotech HPEC systems advance Level 5 Autonomous Driving and other data, compute and network-intensive Deep Learning applications.
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IoT Security is Now Easy to Integrate with Infineon OPTIGA Trust

INFINEON

The internet of things (IoT) is expanding explosively with the International Data Corporation (IDC) predicting that the installed base of IoT units and systems will grow at 17.5 percent CAGR to reach 28.1 billion in 2020.

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Executive Viewpoint: Wind River’s Take on Security

WIND RIVER

Embedded Computing Design (ECD) recently sat down with Wind River’s Chief Security Architect Arlen Baker to discuss the latest trends in security.

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Panel Discussion: Security in the 5G Era

Sponsored by: Lanier, Telit, Wind River
Date: September 4, 2:00 p.m. ET

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