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INDUSTRIAL DESIGN FEATURE

Robot Design for Electromagnetic Compatibility and Functional Safety

As automated systems are packed onto factory floors, often near human workers, equipment designers must take care to meet applicable equipment directives that cover both electromagnetic compatibility and functional safety.

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INDUSTRY RESEARCH

Semico Research Reports Potential Cost Savings from AI Tools in SoC Designs Ranges from 20 to 30 Percent

Per Semico, the semiconductor industry today is being faced with several issues, the continuing rise in design costs for complex SoCs, the decrease in the incidence of first-time-right designs, and the increase in the design cycle time against shrinking market windows and decreasing product life cycles.

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IoT Development Kit Guide

Help for embedded and Internet of Things (IoT) design engineers to efficiently identify evaluation kits for system prototyping.

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DEVELOPMENT KITS NEWS

Arduino Launches New Opl? IoT Kit

Arduino announced the launch of its new Opl? IoT Kit. According to the company, Opl? is the first open programmable IoT platform that allows anyone to build custom IoT devices, with full control over personal data.

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IoT: Implications on Database Management

Data management - from embedded to IoT systems. Learn about new database management requirements to meet these new challenges.

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AI PROCESSING NEWS

Flex Logix Announces Availability and Roadmap of InferX X1 Boards and Software Tools

Flex Logix Technologies announced the availability and roadmap of PCIe boards powered by the Flex Logix InferX X1 accelerator, an AI inference chip for edge systems.

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Cybersecurity for the Intelligent Edge

Join Wind River? Principal Security Architect Arlen Baker for a fast-paced look at how to bake cybersecurity into can?t-fail devices and systems at the edge.

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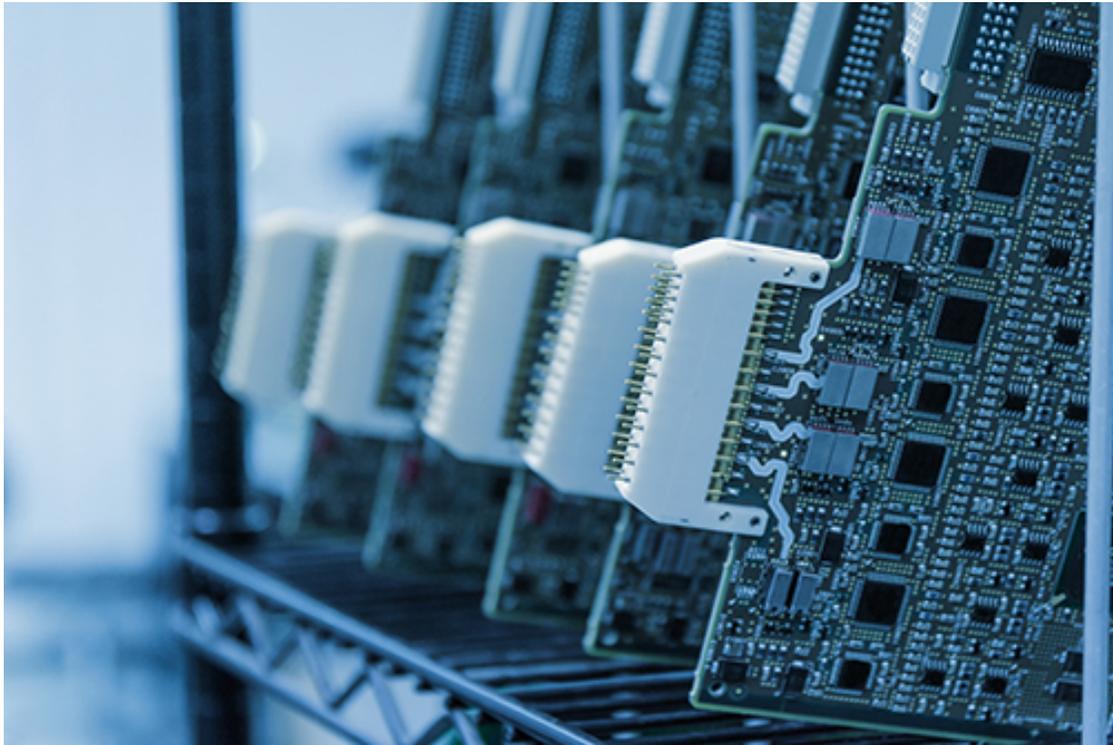
EMBEDDED HARDWARE FEATURE

Should I use Off the Shelf or Custom Hardware in my Electronic Product?

There are a range of inexpensive single-board computers on the market that can be used for electronic product development. These solutions tend to come in small form factors that enable them to also be used as components in market-ready products. When is using these ?off-the-shelf? (OTS) solutions in

your product the optimal solution, and when is a custom-engineered solution the preferable choice?

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