

Portwell Industrial Embedded Computer Board with Intel 10th Gen Core Processors

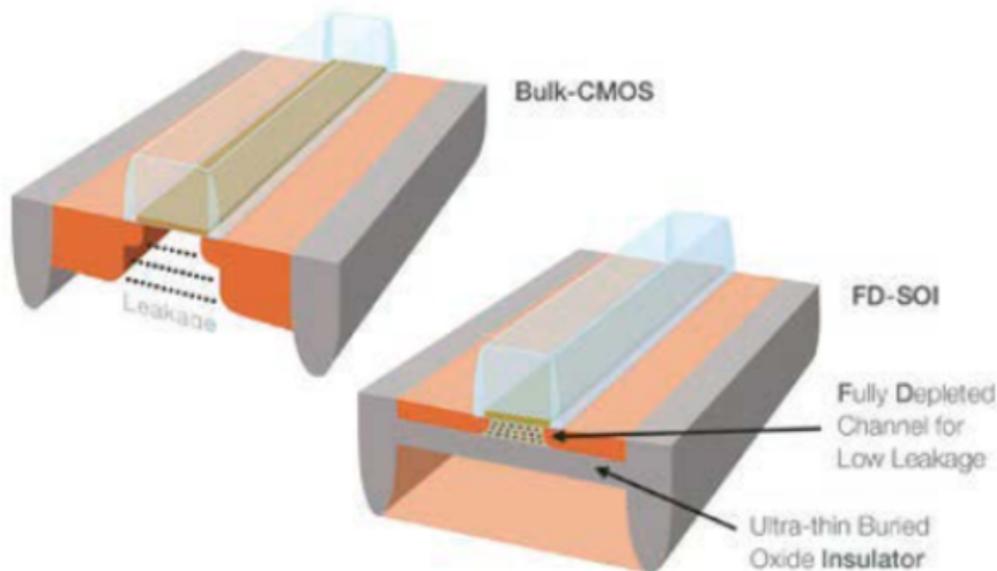
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## PROCESSING FEATURE

### General-Purpose FPGAs: An Innovation-less Decade

Some corners of the electronics universe go years or decades without a significant technology upgrade. Passive electronic components are a good example, as not much more performance or cost can be pulled out of devices like resistors, at least not without a materials revolution. Another is the battery market, where offerings have by and large been optimized to demand.

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## DEVELOPMENT TOOLS NEWS

### AdaCore Introduces GNAT Pro for the Wind River Helix Virtualization Platform

AdaCore launched a new edition of its premier GNAT Pro Ada, C, and C++ development tool suites in support of the Wind River Helix Virtualization Platform.

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If 2020 has shown us anything, it's that the line between work and home has become incredibly blurry, dissolving the means for compartmentalizing our lives. How do we do validation at home?

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#### IoT NETWORKING NEWS

### **STMicroelectronics Releases New Amazon-Qualified Reference Design**

STMicroelectronics released an Amazon-qualified reference design package for smart connected devices leveraging Alexa Voice Service (AVS) Integration for AWS IoT Core.

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#### AUTOMOTIVE POWER ELECTRONICS NEWS

### **Vishay Releases 170 RVZ Series of Capacitors**

Vishay Intertechnology released a new series of automotive-grade miniature aluminum electrolytic capacitors that couple high ripple currents up to 3.8A with temperature operations up to +105 °C. It also features a long life up to 10,000h at the mentioned +105 °C.

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### **AIoT Drives Health and Safety Applications**

AIoT is the melding of AI and IoT. Until not too long ago, these were two independent technologies, for various reasons. The biggest reason is that AI requires a huge amount of compute power, and the IoT, at least at the Edge, generally wasn't a place where such compute power would reside.

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#### ADVERTISEMENT

### **Rethinking Digital Transformation: Addressing the Complexities of the New Normal**

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Date: **December 3, 9:00 a.m. ET**

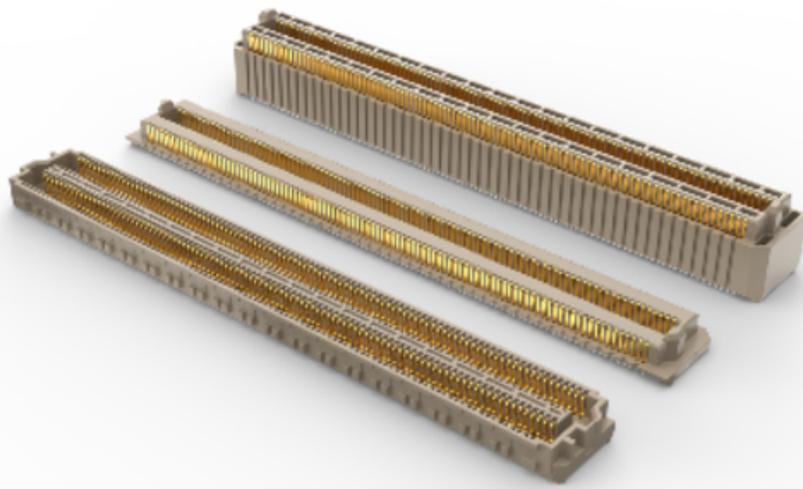
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#### COM-HPC CONNECTIVITY FEATURE

### **2,088 Gbps/in<sup>2</sup> ? COM-HPC Connectors Increase Speed and Density**

2,088 Gbps/in<sup>2</sup>. That is a unique metric that may not mean much at first glance, but means the world to the edge computing industry.

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