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VersaLogic Corporation

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FOR IMMEDIATE RELEASE

VersaLogic releases Dual Channel CAN Bus expansion module in Mini PCIe format

Tualatin, OR — January 7, 2020 — VersaLogic Corporation expands its line of industrial temperature, rugged Mini PCIe expansion products with the new "C1" module. The new Dual Channel CAN Bus expansion board provides an easy and economical way to add high-speed CAN Bus ports to any embedded computer systems, especially those in hostile environments.

CAN-FD and CAN 2.0A/B
The C1 supports CAN-FD and very high speed signaling, up to 5 Mbps. It is also fully backwards compatible with CAN 2.0 A and CAN 2.0 B with signaling up to 1 Mbps. The C1 supports numerous CAN functions including message acceptance filter and listen-only mode.

CANopen high-level protocol
The C1 supports the high level CANopen protocol, which standardizes communication between devices and applications from different manufacturers and was developed for embedded systems used in automation, making it perfect for applications such as industrial machinery, defense & aerospace, medical equipment and specialty vehicles such as trains, buses, mining trucks, first responders and more.

2.5 kV Galvanic Isolation
The C1 provides 2.5 kV of signal isolation to protect the host computer and increase system resilience.

"Customers can now easily add high-speed CAN ports to any embedded systems with reliable, full performance operation even in industrial temperature applications (-40° to +85°C)" said Len Crane, VersaLogic President. "This tiny Mini PCIe expansion board takes thermal management seriously. It will run at full speed across the full industrial temperature range."

Mini PCIe format
The C1's extremely small form factor allows it to be easily added to systems with very little impact to the overall size of the solution. It is ideal for size and weight optimized applications.

Industrial Tough
The C1 is built for any application required to function in extreme environments. Fully tested thermal management assures reliable operation over the full industrial temperature range (-40° to +85°C). Latching connectors and MIL-STD-202H shock and vibration testing ensures performance in the most demanding conditions. The MPEu-C1E was engineered and validated to excel in the unforgiving real world. Bundle it with a rugged embedded computer board from VersaLogic for a one-stop solution to your industrial application needs.

Customizable in Low OEM Quantities
The C1 is customizable, even in low OEM quantities. Customization options include conformal coating, revision locks, custom labeling, customized testing and screening, etc.

– MORE –

Software Support
The C1 is compatible with a variety of popular operating systems such as Linux and Windows and is supported by the VersaLogic Application Programming Interface (VersaAPI). Example C code is provided to speed initial software development time.

Long-term Availability
As with all VersaLogic products, the C1 Dual Channel CAN Bus expansion board is designed for high reliability and long-term availability (10+ year typical production lifecycle). VersaLogic's proven design expertise makes the C1 a rock solid solution for both standard and environmentally-challenged applications.

Pricing and Availability
The C1 (P/N: VL-MPEu-C1E), is in stock at both VersaLogic Corp. and Digi-Key Corp. with OEM quantity pricing starting as low as $96. Contact Sales@VersaLogic.com or visit VersaLogic.com or Digikey.com for more information.

About VersaLogic Corporation
VersaLogic delivers state-of-the-art embedded computers, coupled with expert technical support, for critical markets such as medical and defense. Featuring long-term availability, -40° to +85°C operation, MIL-STD-202H shock and vibration testing, and outstanding US-based support, VersaLogic products are ideal for critical applications that value ruggedness, reliability and long life. A 40+ year history of consistency has earned VersaLogic the reputation of being "the industry's most trusted embedded computer company." For more information, visit VersaLogic.com.

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