

V-BMB Launches the VTC series of multiple channel TEC controllers with high temperature precision and stability

SINGAPORE, December 18, 2023 /EINPresswire.com/ -- V-BMB, a leading technology innovator specializing in cost-effective, highly precise thermal, optical, and other control modules, is excited to introduce the VTC series of single and multiple-channel TEC (Thermoelectric Cooler) controllers.

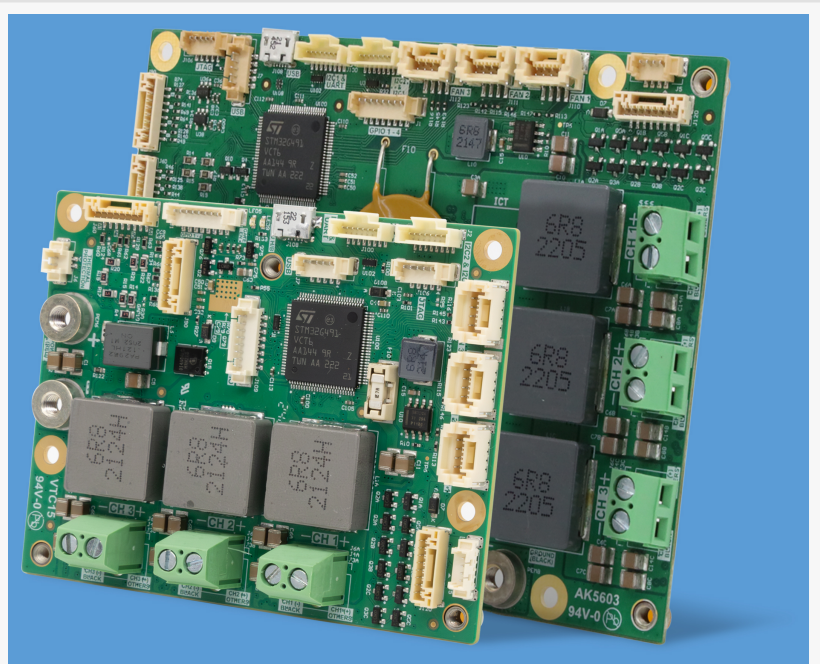
The V-BMB [VTC Series of TEC controllers](#), available in 1, 2, 3, and 6-channel configurations, bring unparalleled temperature precision and stability to address the most demanding cooling and heating applications.

Notable advantages include high power efficiency, configurability, and flexibility achieved through a patent-pending control algorithm and circuitry.

Key features of the VTC Series of TEC controllers include:

- DC bipolar output capability
- Excellent temperature stability
- Superior power efficiency
- PID control with auto-tuning capability
- Standalone operation or remote control via USB interface/RS485/TTL UART
- Temperature control supporting direct feedback (sensor) or indirect feedback(sensor + thermal model)
- Highly configurable and flexible using VTC Utility Software
- Support for a wide range of analog and digital temperature sensors

The VTC series enables original equipment manufacturers (OEMs) to construct stable,



V-BMB VTC Series of single and multiple channel TEC Controllers

consistently efficient thermal control systems with minimal energy loss in a fast and efficient manner. This technology significantly reduces R&D expenses, enabling OEMs to confidently integrate V-BMB TEC controllers with Peltier elements and sensors from various manufacturers.

V-BMB will showcase the VTC series of TEC Controllers at SLAS 2024 (Booth 147), taking place at the Boston Convention and Exhibition Center in Boston, MA, USA, from February 3-7, 2024. Interested parties are invited to schedule a meeting during the event.

For additional information and to purchase the V-BMB VTC Series of TEC Controllers, please visit v-bmb.com or contact us at sales@v-bmb.com.

About V-BMB:

V-BMB specializes in advanced precision control technology solutions, offering ready-to-use, plug-and-play modules, as well as bespoke, customized modules for precision thermal control, optical systems, and fluidic controls. Additionally, V-BMB provides customized consumable solutions and liquid handling modules for the Life Science and Medtech industries.

As a wholly-owned subsidiary of Venture Corporation Limited, a global leader in technology services, products, and solutions, V-BMB leverages Venture's decades of proven design experience, technical expertise, and a global R&D and manufacturing footprint spanning Southeast Asia, China, the U.S., and Europe. V-BMB was established to harness Venture's deep knowledge and expertise in developing advanced instrumentation in the Life Science domain and other industrial applications.

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