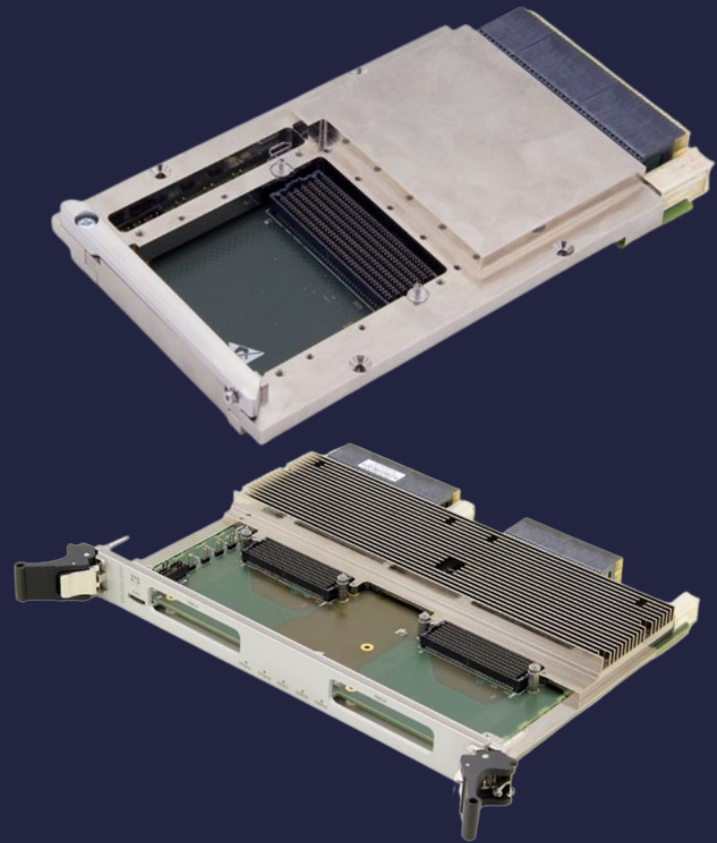


VITA 48.2 Conduction Mechanical Design

Xilinx Kintex Ultrascale

3U VPX

45W Thermal Design Power



About Our Partner

Our customer is a specialist in rugged FPGA-based processing and data acquisition boards for defence programs. They assist their clients in the specification, design, production, integration, technical support and long-term product management of high-end COTS boards aligned with VITA and SOSA technical standards.

Small Business Synergy

Our customer aims to deliver extremely high quality FPGA board designs to global customers. With a small and highly specialised team, they are already successful players in the embedded VPX industry. In order to fulfil their promise of product integration to these customers, they needed to expand the network of their team to deliver high quality boards with associated metalwork for customer integration.

Our customer recognises that their **customers are even more busy than they are and are looking for complete solution support** for the modules they requisition. Following a successful bid win, they acted swiftly to source a leading VPX mechanical specialist that could support them on small projects for their Xilinx Kintex based architecture range that many third parties would turn away.

Our customer specialises in the design and development of the FPGA architecture aspect of module development, where managing in-house mechanical expertise does not make business sense. Entropy were approached to support **development of a full suite of metalwork** for their customer system.

With our expertise in developing these systems, Entropy were capable of picking up these tasks almost immediately and working to demanding budget and space constraints.

With no request too small, we worked with our customer

- **identify** thermal risk
- **ensure** their manufacturing supply chain would work seamlessly with the new drawings
- **provide** a final product which suited the needs of their customer

Our customer was able to deliver a **fully functioning 3U VPX package to their customer on time with arrival of metalwork** accelerating the project progress. The success of our customer's partnership with Entropy opened up further variants of their board on request from their customer and **established the groundwork for a successful long-term relationship.**



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