

Tundra Semiconductor

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Tundra Tsi148 VME-to-PCI/X Bridge

The Tsi148 is the industry's leading PCI-X to VMEbus bridge and the successful next generation offering to the Universe™ II, the leading VMEbus bridge for embedded systems customers. Fully compliant with VMEbus standards, the Tsi148 implements the 2eSST protocol that allows the VMEbus to run at a bandwidth up to 320 MBps. The Tsi148 is a full featured master, slave, and system controller that can be used in any VME application and provides an increase in overall processing capability on legacy backplanes, while transparently enabling the high performance distributed processing that new applications demand.

**FEATURES:**

- Industry's best sustained transfer rate of 305 MC/x in 2eSST – higher system bandwidth
- Multithreading – capable of a number of simultaneous transactions while optimizing bus utilization
- Full-featured master, slave, and system controller – can be used in any VME application
- PCI-X local bus supports two loads at 133 MHz – reducing component count
- Small device footprint – saves board space
- Proven VME backwards compatibility – preserves legacy investment