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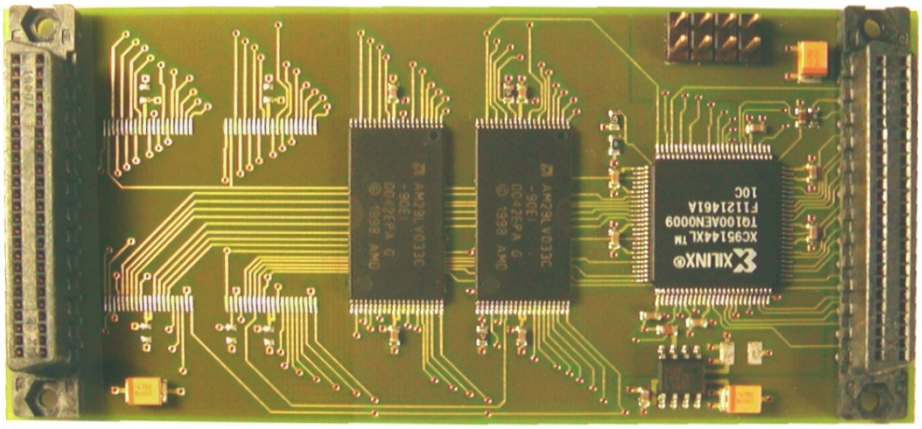
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TIP250 8 Mbytes Flash Memory



Application Information

The TIP250 is an IndustryPack® compatible module that offers an easy and reliable way to implement 8 Mbytes of Flash memory. The TIP250 is ideal for holding application code, operating system software or data.

Two AM29LV033 devices (32 Mbit, x 8 organized) are used to provide 1 bank of 8 Mbytes (16 bit wide) Flash memory which is divided into 64 sectors of 128 Kbytes (16 bit wide).

Accesses to the TIP250 Flash memory occur within the IP memory space. After power-on the TIP250 comes up in read only mode. The IP I/O space holds the Flash Control Register and the Interrupt Vector Register.

Software Support (TIP250-SW-xx) is available for different operating systems.

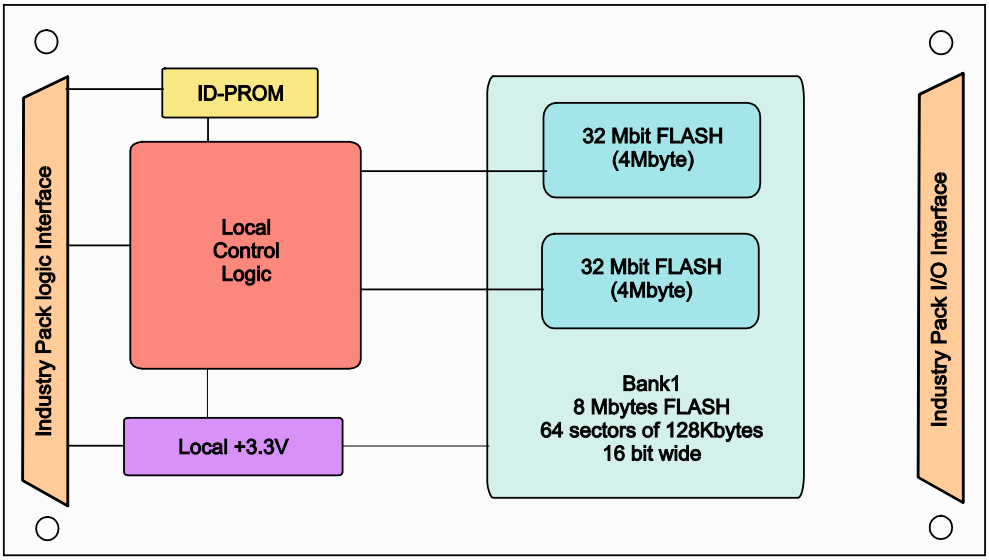
Technical Information

- Interface according to IndustryPack specification
- Identification-PROM supports auto-configuration
- Single Size IndustryPack
- 8 Mbytes of Flash Memory
- Organized in 1 bank of 8 Mbytes (16 bit wide), 64 sectors of 128 Kbytes (16 bit wide)
- Flash chip: 2 x AM29LV033, 90 ns, TSOP package
- Guaranteed min. erase and program cycle endurance: 1.000.000 cycles
- Typical bank erase time: 45 s
- Typical sector erase time: 0.7 s
- Typical word programming time: 9 µs
- Typical bank programming time: 36 s
- Interrupt support on program / erase cycles
- Power requirements: +5V only, on board +3.3V generation
- No connections to IP I/O connector
- Operating temperature -40°C to +85°C

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Issue 1.0.1
2017-09-27

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Order Information

RoHS Compliant

TIP250-10R 8 MB of Flash Memory

For the availability of non-RoHS compliant (leaded solder) products please contact TEWS.

Documentation

TIP250-DOC User Manual

Software

TIP250-SW-42 VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP250-SW-65 Windows Software Support
TIP250-SW-82 Linux Software Support
TIP250-SW-95 QNX Software Support

For other operating systems please contact TEWS.

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We buy equipment

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