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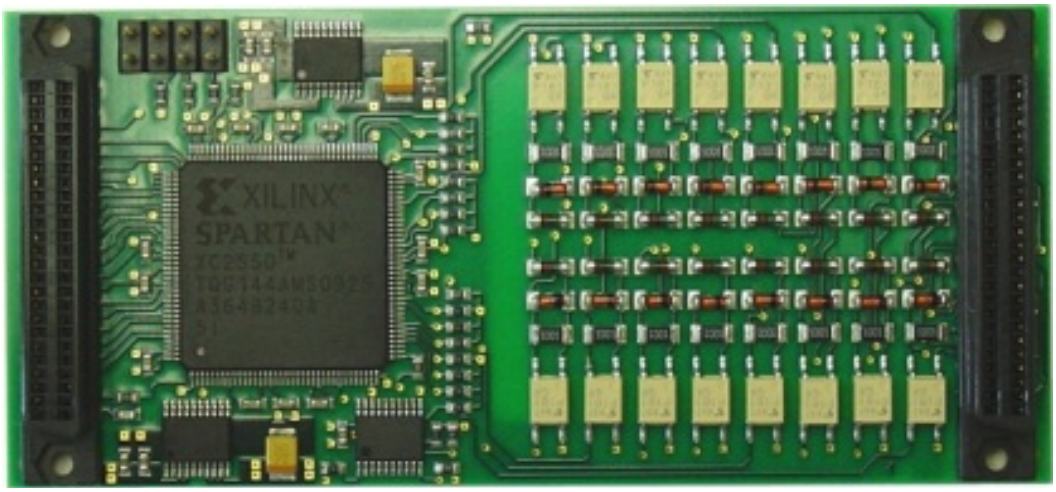
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TIP605 16 Interrupt generating Digital Inputs



Application Information

The TIP605 is an IndustryPack® compatible module with 16 digital inputs galvanically isolated by optocoupler. The individual inputs are potential free in relation to each other. A high performance input circuit ensures a defined switching point and polarization protection against confusing the pole.

All inputs have an electronic debounce circuit with a freely programmable debounce time. All inputs can generate an interrupt. The signal edge handling is programmable. For the TIP605 the operating temperature range is –40°C to +85°C.

The driver software TIP605-SW-xx provides functions to configure the TIP605, read the input status and connect software events to input state changes.

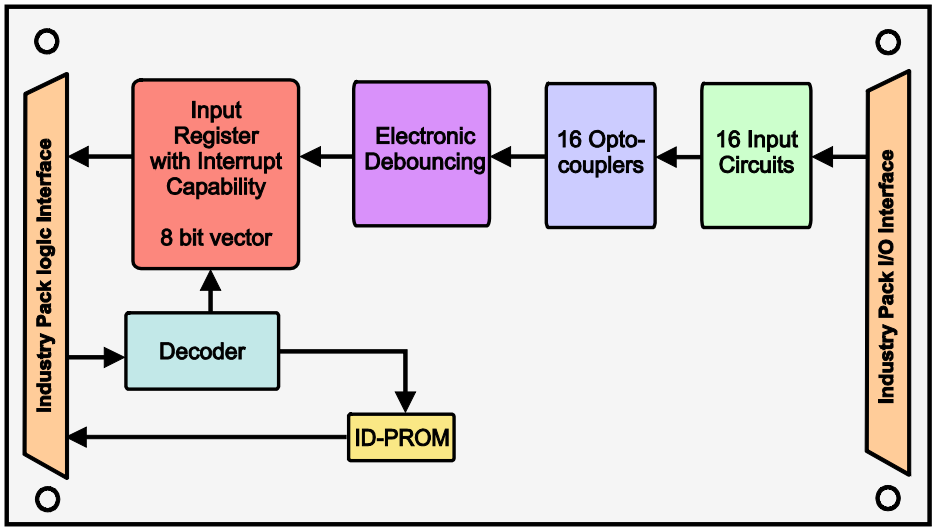
Technical Information

- Interface according to IndustryPack specification
- Identification-PROM supports auto-configuration
- Single Size IndustryPack
- 16 interrupt generating digital inputs
- 24V signal voltage for inputs, other voltages on request
- Optocouplers for galvanic isolation of input to computer system
- All inputs isolated against each other
- All inputs protected against confusing the pole
- All inputs have an electronic debounce circuit, debounce time is freely programmable
- Operating temperature -40°C to +85°C
- MTBF (MIL-HDBK217F/FN2 G_B 20°C) TIP605: 703000h

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Order Information

RoHS Compliant

TIP605-10R 16 Digital Input, 24V, isolated, pgm. interrupts, pgm. Debounce, ext. temp.

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

Documentation

TIP605-DOC User Manual

Software

TIP605-SW-42 VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP605-SW-65 Windows Software Support
TIP605-SW-82 Linux Software Support
TIP605-SW-95 QNX Software Support

For operating systems please contact TEWS.

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