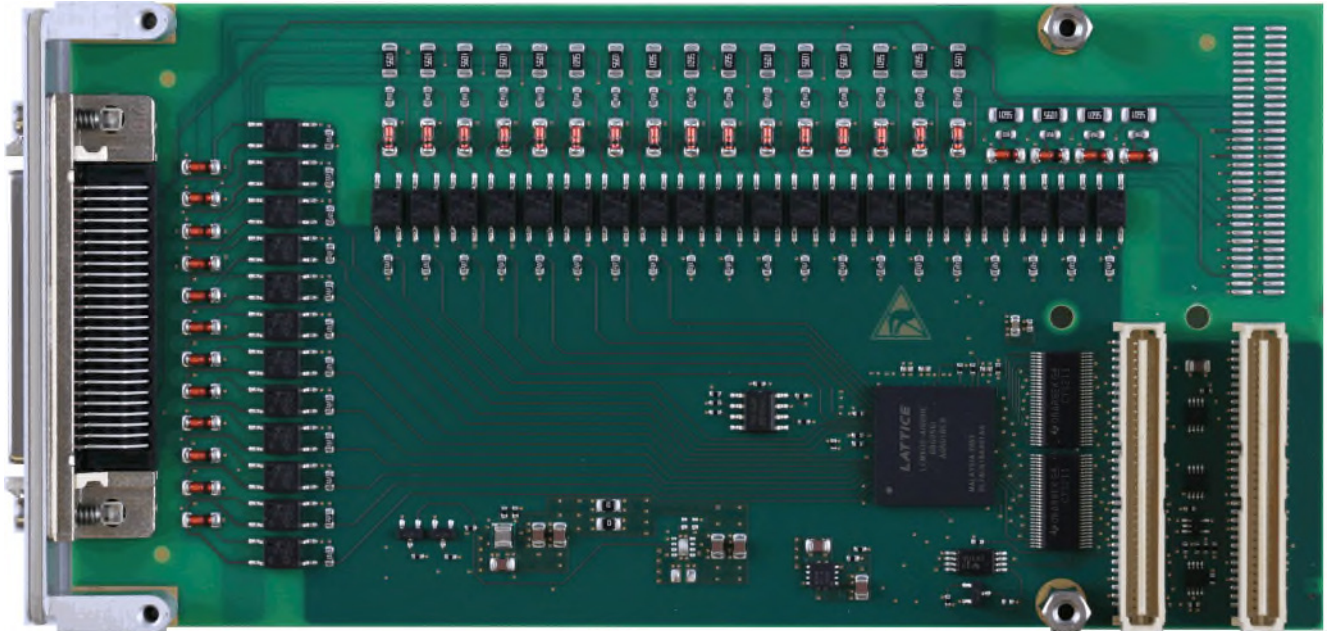# TPMC600   32 Interrupt Generating Digital Inputs (24V)

Application Information

The TPMC600 is a PMC compatible module and has 32 digital inputs galvanically isolated by optocouplers. The individual inputs are separated in groups of 4 sharing a common ground input. These groups are potential free 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 programmable debounce time.

The modules are with front or back panel I/O available. All inputs can generate an interrupt. The signal edge handling is programmable.

Software Support (TPMC600-SW-xx) for different operating systems is available.

Technical Information

- Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- PCI3.0 compatible Interface, 32 bit, 33 MHz
- 3.3V and 5V PCI Signaling Voltage
- 32 interrupt generating digital inputs
- 24 V signal voltage for inputs, other voltages on request

- Optocoupler for galvanic isolation of inputs to computer
- All inputs isolated to each other in groups of four inputs
- Protection against confusing the pole
- Programmable electronic debounce circuit (7µs to 440ms in steps of 7µs)
- Operating temperature: -40°C to +85°C

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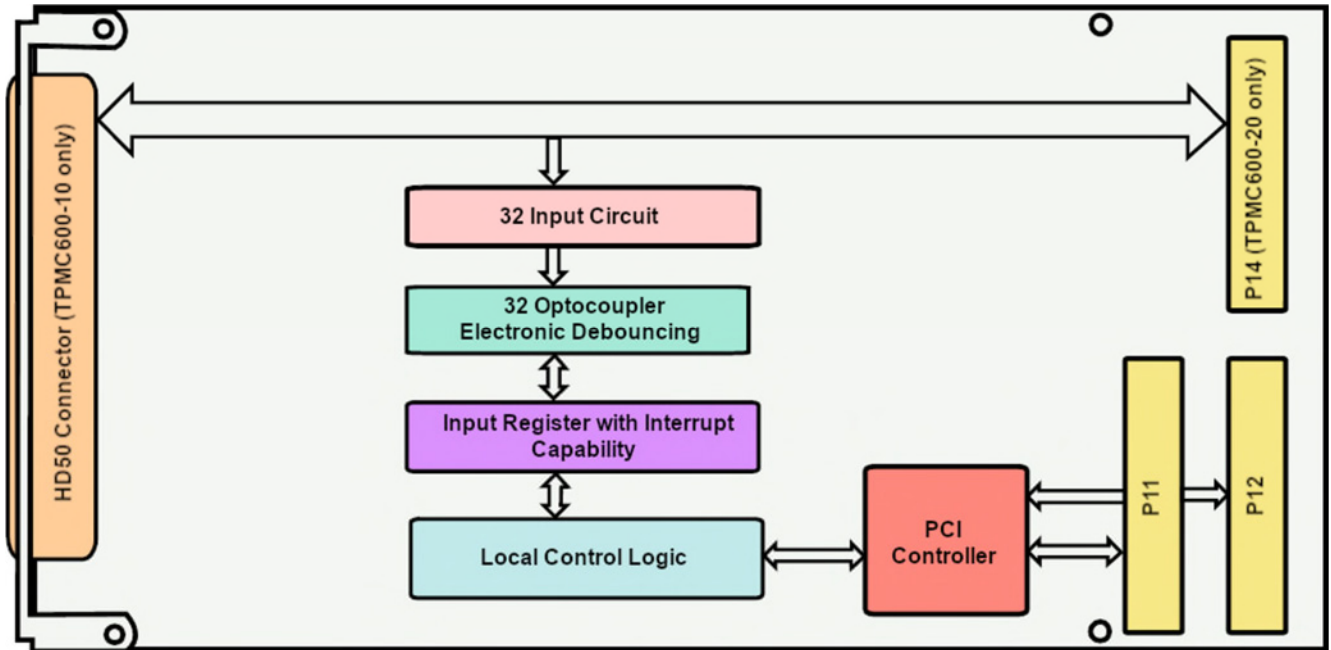## Order Information

RoHS Compliant
TPMC600-10R   32 Interrupt Generating Digital Inputs, Front panel I/O, HD50
TPMC600-20R   32 Interrupt Generating Digital Inputs, P14 I/O

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

Documentation
TPMC600-DOC   User Manual

Software
TPMC600-SW-25   Integrity Software Support
TPMC600-SW-42   VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TPMC600-SW-65   Windows Software Support
TPMC600-SW-82   Linux Software Support
TPMC600-SW-95   QNX Software Support

For other operating systems please contact TEWS.

Related Products
TA301   Cable Kit for modules with HD50 connector
TPIM001   PIM I/O Module with HD50 SCSI-2 type connector