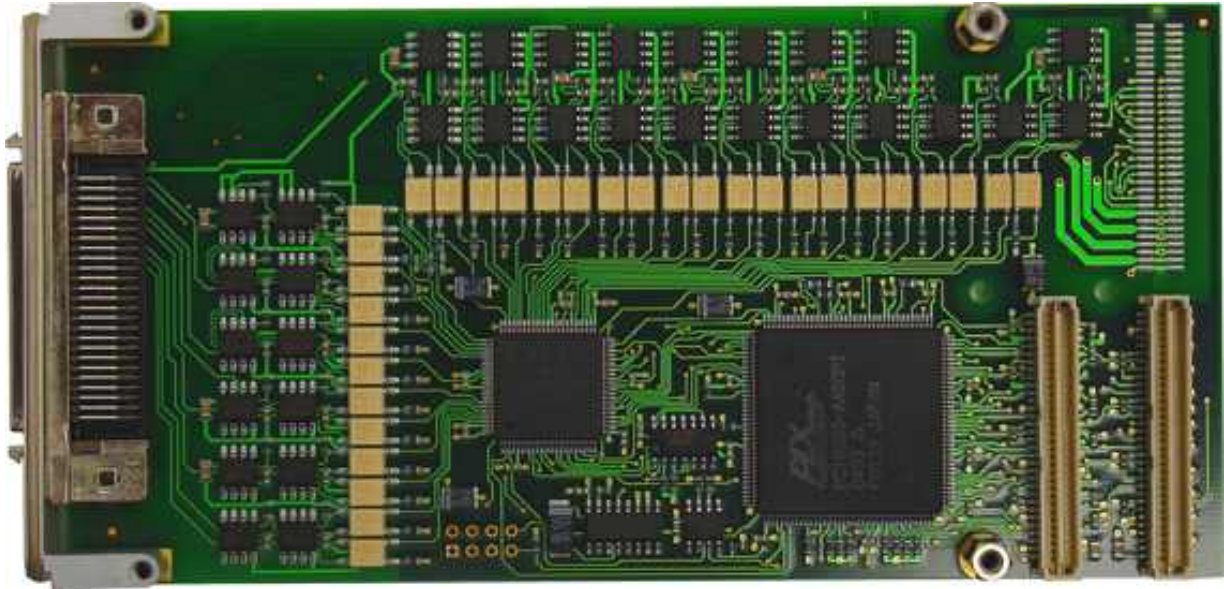## TPMC700   32 / 16 Digital Outputs (24V, 0.5A) High Side Switches
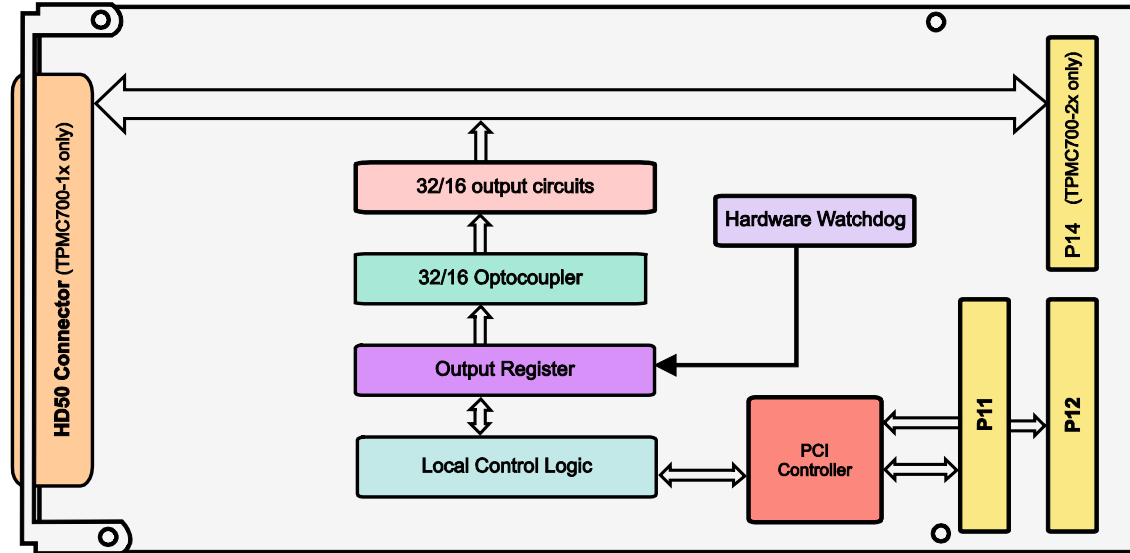

Application Information

The PMC compatible module TPMC700 has 32 (16) digital outputs with galvanic isolation via optocouplers. All outputs resist short-circuits and are protected against thermal overload. The output drivers are capable of driving 0.5A continuous per channel as high side switch. A hardware watchdog clears all outputs in case of trigger failure.

The TPMC700-1xR provides front panel I/O with a HD50 SCSI-2 type connector, the TPMC700-2xR provides P14 I/O.

Software Support (TPMC700-SW-xx) is available for different operating systems.

Technical Information

- ❑ Standard single-width 32 bit PMC module conforming to   IEEE P1386.1
- ❑ PCI 2.1 compliant interface
- ❑ Board size: 149 mm x 74 mm
- ❑ 32 / 16 digital outputs, high side switches
- ❑ 24 V signal voltage, current per output 0.5A
- ❑ Optocoupler for galvanic isolation

- ❑ Outputs are short-circuit protected
- ❑ Outputs are isolated by optocouplers from the system and in two groups against each other
- ❑ Outputs are protected against thermal overload
- ❑ Watchdog timer resets all channels in case of trigger failure

Order Information

RoHS Compliant

TPMC700-10R	32 Digital Outputs, High Side 24V 0.5A, HD50
TPMC700-11R	16 Digital Outputs, High Side 24V 0.5A, HD50
TPMC700-20R	32 Digital Outputs, High Side 24V 0.5A, P14 I/O
TPMC700-21R	16 Digital Outputs, High Side 24V 0.5A, P14 I/O

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

Documentation
TPMC700-DOC   User Manual

Software

TPMC700-SW-25	Integrity Software Support
TPMC700-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TPMC700-SW-65	Windows Software Support
TPMC700-SW-82	Linux Software Support
TPMC700-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, HD50 connector

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