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

For First Time Users the Engineering Documentation TPMC700-ED is recommended. The Engineering Documentation includes TPMC700-DOC, schematics and data sheets.

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, front panel I/O
TPMC700-11R 16 Digital Outputs, front panel I/O
TPMC700-20R 32 Digital Outputs, P14 I/O
TPMC700-21R 16 Digital Outputs, P14 I/O

None RoHS Compliant
TPMC700-10 None RoHS compliant version of TPMC700-10R
TPMC700-11 None RoHS compliant version of TPMC700-11R
TPMC700-20 None RoHS compliant version of TPMC700-20R
TPMC700-21 None RoHS compliant version of TPMC700-21R

Documentation
TPMC700-DOC User Manual
TPMC700-ED Engineering Documentation, includes TPMC700-DOC

Software
TPMC700-SW-25 Integrity Software Support
TPMC700-SW-42 VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TPMC700-SW-65 Windows XP/XPE/2000 Software Support
TPMC700-SW-72 LynxOS Software Support
TPMC700-SW-82 LINUX Software Support
TPMC700-SW-95 QNX 6 Software Support

For other operating systems please contact TEWS.

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