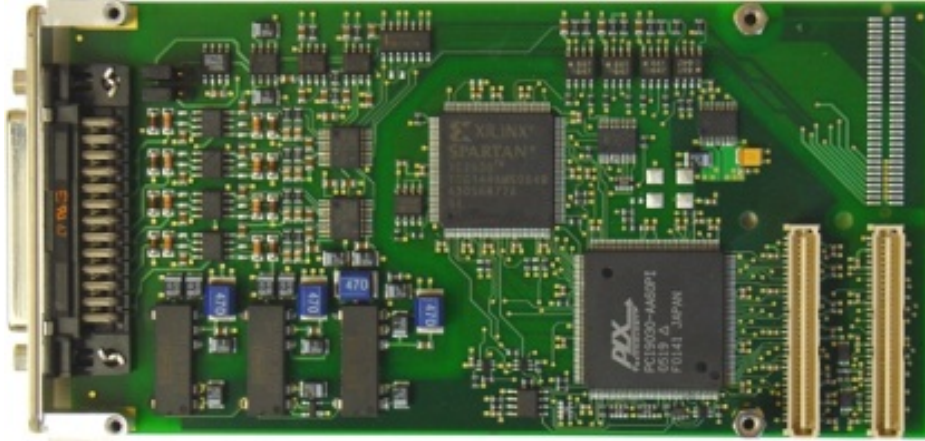# TPMC550   8/4 Channels of Isolated 12-Bit D/A

Application Information

The TPMC550 is a standard single-width 32 bit PMC module and provides 8 channels of isolated 12 bit analog outputs. 4 channel and rear-I/O order options are also available. The settling time to 0.012% is 10µs maximum.

The TPMC550 supports immediate and simultaneous load. The sequencer allows periodically update of enabled channels and the sequence timer range extends from 100µs to 6.5s.
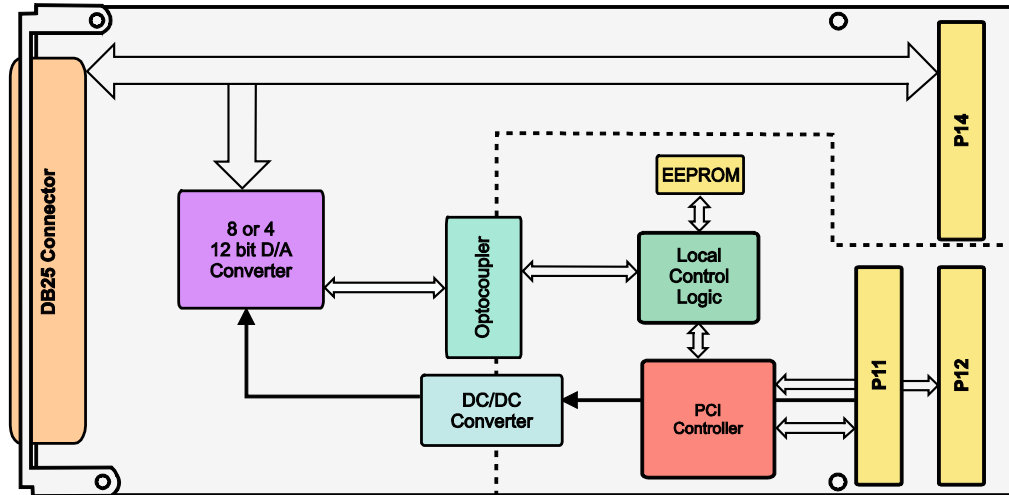
The programmable output voltage range is +/-10V or 0-10V selectable by jumper. An on board DC/DC converter powers the isolated DAC and the output buffer.

Each TPMC550 is factory calibrated. The calibration information is stored in the Identification-PROM unique to each PMC module.

Software Support (TPMC550-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
- ❍ 3.3V and 5V PCI Signaling Voltage
- ❍ Board size: 149 mm x 74 mm
- ❍ 8 or 4 channels of isolated 12 bit analog outputs
- ❍ Settling time to 0.012% is 10µs maximum

- ❍ Full-scale output range +/- 10V or 0-10V
- ❍ Factory calibrated, calibration information stored in EEPROM
- ❍ Operating temperature -40°C to +85°C

Order Information

RoHS Compliant

TPMC550-10R	8 Channel Isolated 12 bit D/A, +/- 10V or 0-10V, DB25
TPMC550-11R	4 Channel Isolated 12 bit D/A, +/- 10V or 0-10V, DB25
TPMC550-20R	8 Channel Isolated 12 bit D/A, +/- 10V or 0-10V, P14 I/O
TPMC550-21R	4 Channel Isolated 12 bit D/A, +/- 10V or 0-10V, P14 I/O

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

Documentation

TPMC550-DOC	User Manual

Software

TPMC550-SW-25	Integrity Software Support
TPMC550-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TPMC550-SW-65	Windows Software Support
TPMC550-SW-82	Linux Software Support
TPMC550-SW-95	QNX Software Support

For other operating systems please contact TEWS.

Related Products

TA303	Cable Kit for Modules with DB25 Female Connector
TPIM001	PIM I/O Module, HD50 connector