

TPMC551 8/4 Channels of Isolated 16 bit D/A

Application Information

The TPMC551 is a standard single-wide 32 bit PMC module and offers 8 channels of isolated 16 bit analog outputs. A 4 channel version is available as TPMC551-11. Settling time to 0.003% is 10 μ s typical on a PMC module.

It supports immediate and simultaneous load. The sequencer allows periodically update of enabled channels and the sequence timer range extends from 100 μ s 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 TPMC551 is factory calibrated. The calibration information is stored in the Identification-PROM unique to each PMC module.

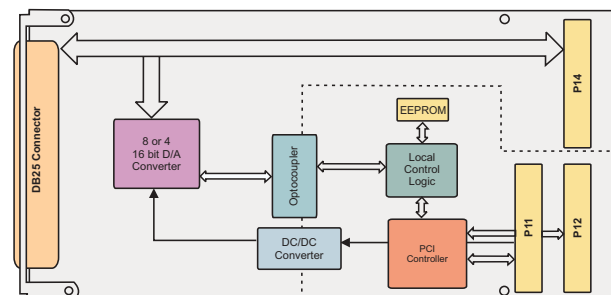


For First Time Users the engineering documentation TPMC551-ED is recommended. The engineering documentation includes TPMC551-DOC, schematics and data sheets.

Driver software (TPMC551-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: 149mm x 74mm
- 8 or 4 channels of isolated 16 bit analog outputs
- Settling time to 0.003% is 10 μ s typical
- Full-scale output range +/- 10V or 0-10V
- Factory calibrated, calibration information stored in EEPROM



Order Information

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|----------------------|----------------------------------------------------|
| TPMC551-10 | 8 Channels of Isolated 16 bit D/A, front panel I/O |
| TPMC551-11 | 4 Channels of Isolated 16 bit D/A, front panel I/O |
| TPMC551-20 | 8 Channels of Isolated 16 bit D/A, P14 I/O |
| TPMC551-21 | 4 Channels of Isolated 16 bit D/A, P14 I/O |
| TPMC551-DOC | User Documentation |
| TPMC551-ED | Engineering Documentation, includes TPMC551-DOC |
| TA303-10 | Cable Kit for modules with DB25 female connector |
| TPMC551-SW-12 | OS-9 Software Support |
| TPMC551-SW-32 | pSOS Software Support |
| TPMC551-SW-42 | VxWorks Software Support |
| TPMC551-SW-62 | Windows NT 4.0 Software Support |
| TPMC551-SW-65 | Windows XP/2000/98 SE/ME Software Support |
| TPMC551-SW-72 | LynxOS Software Support |
| TPMC551-SW-82 | LiNux Software Support |
| TPMC551-SW-92 | QNX 4 Software Support |
| TPMC551-SW-95 | QNX 6 Software Support |