TIP551 4 Channels of Isolated 16 bit D/A Conversion

Application Information
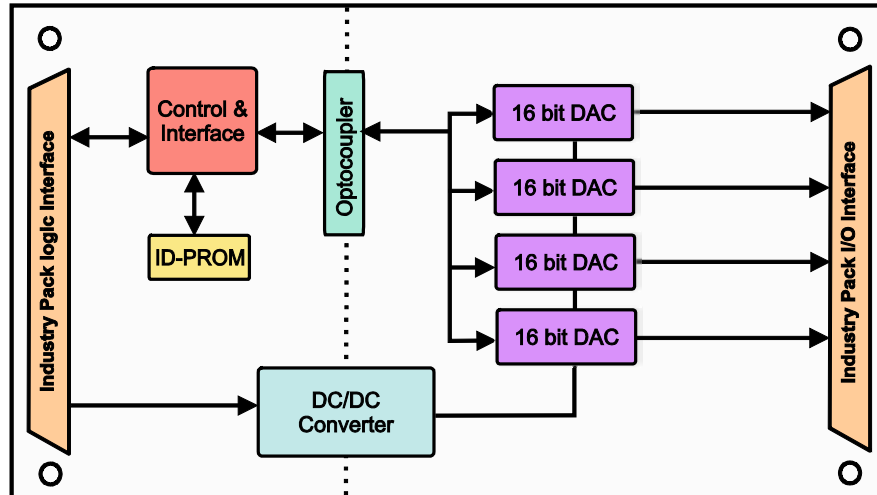
The TIP551 is an IndustryPack® compatible module and offers 4 channels of isolated 16 bit analog outputs. Settling time to 0.003% is 10µs typical. The programmable output voltage range is +/-10V or 0-10V selectable by jumper. The DAC clears to 0V in both unipolar and bipolar output. The isolated DAC and the output buffer are powered by an on board DC/DC converter.

Each TIP551 is factory calibrated. The calibration information is stored in the Identification-PROM unique to each IP.

Software Support (TIP551-SW-xx) for different operating systems is available.

Technical Information

- ❍ Interface according to IndustryPack specification
- ❍ Identification-PROM supports auto-configuration
- ❍ Single Size IndustryPack
- ❍ 4 channels of isolated 16 bit analog output
- ❍ Full-scale output range +/-10 V or 0-10V selectable by jumper

- ❍ Factory calibrated, calibration information in Identification-PROM unique to each IP
- ❍ Operating temperature -40°C to +85°C

Order Information

RoHS Compliant
TIP551-10R   4 Channel Isolated 16 bit D/A, +/- 10V or 0-10V

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

Documentation
TIP551-DOC   User Manual

Software
TIP551-SW-42   VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP551-SW-65   Windows Software Support
TIP551-SW-82   Linux Software Support
TIP551-SW-95   QNX Software Support

For operating systems please contact TEWS.