TEWS

TECHNOLOGIES

The Embedded I/O Company

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.
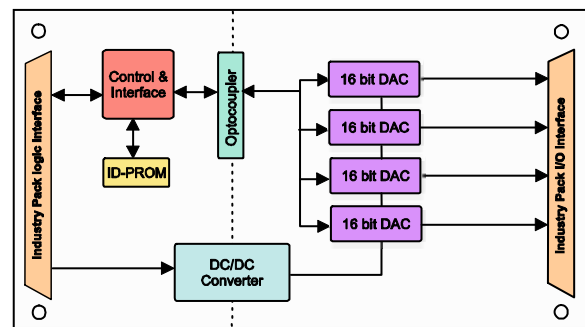
For First-Time-Buyers the Engineering Documentation TIP551-ED is recommended. The Engineering Documentation includes TIP551-DOC, schematics and data sheets.

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 Channels of Isolated 16 bit Analog Output

None RoHS Compliant

TIP551-10   None RoHS compliant version of TIP551-10R

Documentation

TIP551-DOC   User Manual
TIP551-ED   Engineering Documentation, includes TIP551-DOC

Software

TIP551-SW-25   Integrity Software Support
TIP551-SW-42   VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP551-SW-65   Windows XP/XPE2000 Software Support
TIP551-SW-72   LynxOS Software Support
TIP551-SW-82   LiNUX Software Support
TIP551-SW-95   QNX 6 Software Support

For other operating systems please contact TEWS.