TIP550 8 (4) Channels of Isolated 12 bit D/A Conversion

Application Information

The TIP550 is an IndustryPack® compatible module and provides 8 or 4 channels of isolated 12 bit analog outputs. The settling time to 0.01% is 13µs typical. The programmable output voltage range is +/-10V or 0-10V selectable by jumper. The isolated DAC and the output buffer are powered by an on board DC/DC converter.

Each TIP550 is factory calibrated. The calibration information is stored in the Identification-PROM unique to each IP.
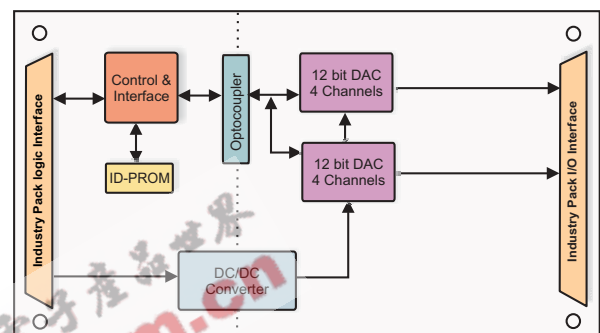
For First-Time-Buyers the engineering documentation TIP550-ED is recommended. The engineering documentation includes TIP550-DOC, schematics and data sheets.

Driver support (TIP550-SW-xx) for different operating systems is available.

Technical Information

❏ Interface according to IndustryPack specification
❏ Identification-PROM supports auto-configuration
❏ Single Size IndustryPack
❏ 8 (4) channels of isolated 12 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

TIP550-10	8 Channels of Isolated 12 bit Analog Output
TIP550-11	4 Channels of Isolated 12 bit Analog Output
TIP550-DOC	User Documentation
TIP550-ED	Engineering Documentation, includes TIP550-DOC
TIP550-SW-12	OS-9 Software Support
TIP550-SW-32	pSOS Software Support
TIP550-SW-42	VxWorks Software Support
TIP550-SW-62	Windows NT 4.0 Software Support
TIP550-SW-72	LynxOS Software Support
TIP550-SW-82	LiNUX Software Support
TIP550-SW-92	QNX 4 Software Support
TIP550-SW-95	QNX 6 Software Support