

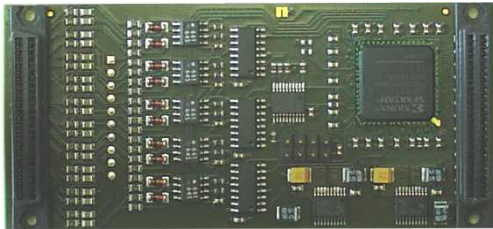
TIP114 10 Channel Absolute Encoder Interface (SSI)

Application Information

The TIP114 is an IndustryPack® compatible module for motion control applications.

The TIP114 offers ten independent SSI interfaces with programmable clock rates from 1µs to 15µs and programmable data bits from 1 bit to 32 bit. The position feedback is provided by an absolute encoder with a synchronous serial interface (SSI) and a corresponding 32 bit (maximum) shift register at the IP. The level of the encoder signals is RS422.

The data inputs are galvanically isolated by high speed optocouplers. Each SSI channel can handle a data stream which is encoded in Binary- or in Gray-Code, without or with parity as well as with even or odd parity.

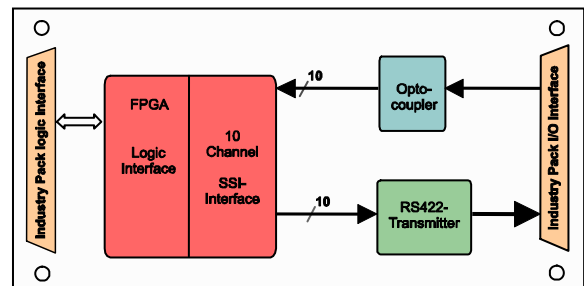


For First-Time-Buyers the Engineering Documentation TIP114-ED is recommended. The Engineering Documentation includes TIP114-DOC, schematics and data sheets of TIP114.

Software support (TIP114-SW-xx) is available for different operating systems.

Technical Information

- Interface according to IndustryPack specification
- Single Size IndustryPack
- 10 Channel absolute encoder interface with isolated serial SSI inputs
- SSI clock rate programmable from 1µs to 15µs
- SSI data programmable from 1 bit to 32 bit
- EIA-422 encoder inputs galvanically isolated by high speed optocouplers
- Operating temperature 0°C to +70°C



Order Information

RoHS Compliant

TIP114-10R 10 Channel Absolute Encoder (SSI) Interface

None RoHS Compliant

TIP114-10 None RoHS compliant version of TIP114-10R

Documentation

TIP114-DOC User Manual

TIP114-ED Engineering Documentation, includes TIP114-DOC

Software

TIP114-SW-25 Integrity Software Support

TIP114-SW-42 VxWorks Software Support (Legacy and VxBus-Enabled Software Support)

TIP114-SW-65 Windows XP/XPE/2000 Software Support

TIP114-SW-72 LynxOS Software Support

TIP114-SW-82 LiNux Software Support

TIP114-SW-95 QNX 6 Software Support

For other operating systems please contact TEWS.