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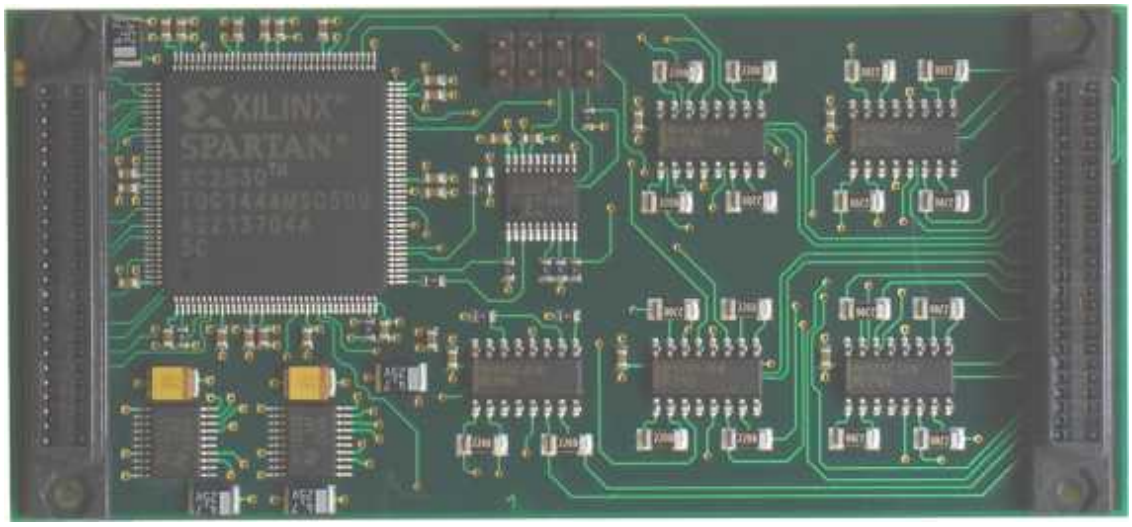
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TIP119 6 Channel 16 bit Quadrature Decoder Counter



Application Information

The TIP119 is an IndustryPack® compatible module providing six channels of quadrature decoder inputs. Each channel has a dedicated 16 bit wide quadrature decoder counter.

The input signals can be of RS422A and RS423A level and pass a digital filter for noise suppression before they are fed into the counter.

An interrupt can be generated at counter over- or underflow or on assertion of the index input. An 8 bit interrupt vector is supported.

Software support (TIP119-SW-xx) is available for different operating systems.

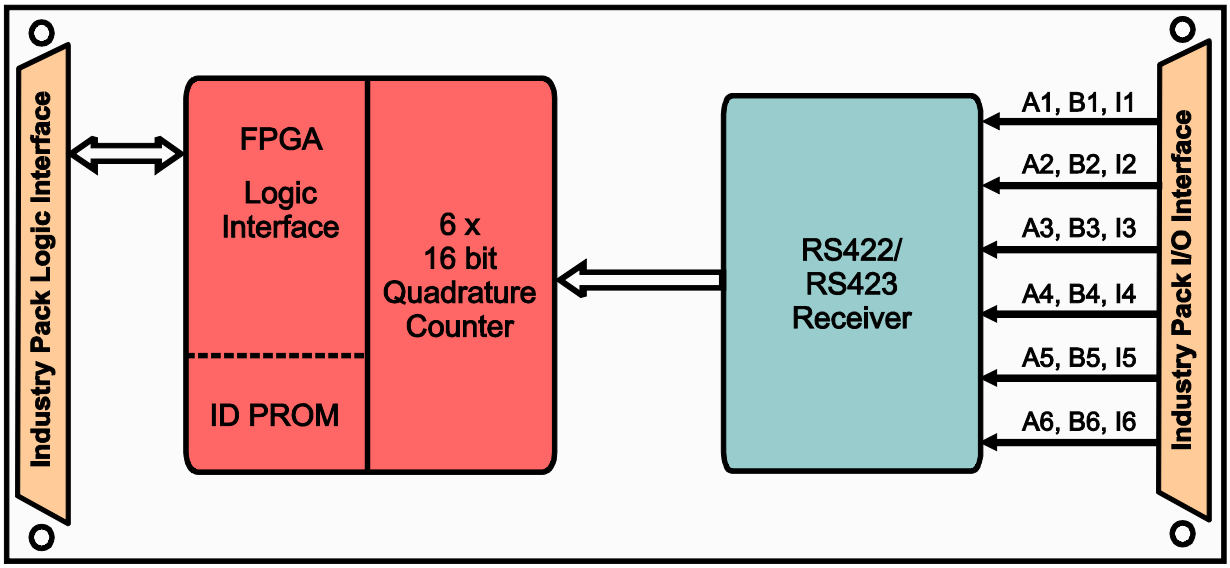
Technical Information

- Interface according to IndustryPack specification
- Single Size IndustryPack
- 6 Channels 16 bit quadrature counter
- Vectored interrupt
- Inputs RS422/RS423 compatible
- 1.3 MHz maximum tracking rate
- 220 ohm input impedance
- Operating temperature 0°C to +70°C

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Issue 1.0.1
2017-08-24

TEWS TECHNOLOGIES GmbH
Am Bahnhof 7 25469 Halstenbek, Germany
Phone: +49 (0) 4101 4058 0 Fax: +49 (0) 4101 4058 19
e-mail: info@tews.com www.tews.com



Order Information

RoHS Compliant

TIP119-10R 6 Channel 16bit Quadrature Counter, RS422 inputs

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

Documentation

TIP119-DOC User Manual

Software

TIP119-SW-42 VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP119-SW-65 Windows Software Support
TIP119-SW-82 Linux Software Support
TIP119-SW-95 QNX Software Support

For other operating systems please contact TEWS.

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e-mail: info@tews.com www.tews.com

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