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Find the *Tews Technologies TPMC375-10* at our website: ***Click HERE***

Serial Conduction Cooled PMC Modules

As part of our growing commitment to the embedded I/O market place, TEWS' continues to extend its product range with a family of high-performance serial Conduction Cooled PMC modules.

TPMC371/TPMC372 8 or 4 Channel RS232/RS422

The TPMC371/TPMC372 provide 8 or 4 channels of high-performance asynchronous serial interfaces.

Key features include:

- PCI-UART: Exar XR17D158 (TPMC371) or Exar XR17D154 (TPMC372)
- 64 byte transmit FIFO per channel, 64 byte receive FIFO per channel, readable FIFO levels
- Programmable baud rates: RS232: up to 921.6 kbps, RS422: up to 5.5296 Mbps
- I/O signals RS232: TxD, RxD, RTS, CTS and GND (in addition DTR, DSR, CD, RI for channel 0 and 1)
- I/O signals RS422: TxD+/-, RxD+/- and GND (in addition RTS+/-, CTS+/- for channel 0 and 1)
- Global Interrupt Source Register
- ESD protected transceiver (up to +/- 15KV)
- Operating temperature -40°C to +85°C

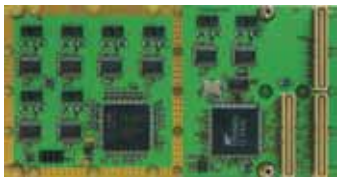


TPMC371-10

TPMC375/TPMC376 8 or 4 Channel RS232/RS422/RS485 Programmable Serial Interface

The TPMC375/TPMC376 provide 8 or 4 channels of high-performance RS232/RS422/RS485 programmable asynchronous serial interfaces.

TPMC375-10



Key features include:

- PCI-UART: Exar XR17D158 (TPMC375) or Exar XR17D154 (TPMC376)
- 64 byte transmit FIFO per channel, 64 byte receive FIFO per channel, readable FIFO levels
- Programmable baud rates: RS232: up to 921.6 kbps, RS422/RS485: up to 5.5296 Mbps
- Programmable interfaces: RS232, RS422, RS485 full duplex, RS485 half duplex
- Programmable termination for RS422/RS485
- Support of RxD, TxD, RTS, CTS and GND for each RS232 channel; RxD+/-, TxD+/- and GND for each RS422/RS485 FD channel; D+/- and GND for each RS485 HD channel
- Global Interrupt Source Register
- ESD protected transceiver (up to +/- 15KV)
- Operating temperature -40°C to +85°C

TPMC363 FPGA-based 4 Channel High-Speed Synch/Asynch Serial Interface

The TPMC363, designed for data communications, LAN/WAN networking, aerospace/defense communications, traffic control, simulation, and telecommunications applications is the successor of the discontinued TPMC362.

Key features:

- 4 high-speed synchronous/asynchronous serial interfaces implemented in FPGA logic
- I/O access on rear connector P14
- Physical interface (individually programmable per channel): EIA-232, EIA-422, EIA-449, EIA-530, EIA-530A, V.35, V.36 and X.21

TPMC363-10



- Maximum data rate: 10 Mbit/s (synchronous), 2 Mbit/s (asynchronous), internal or external provided clock
- EIA-232: up to 115.2 kbit/s
- Operating temperature -40°C to +85°C

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