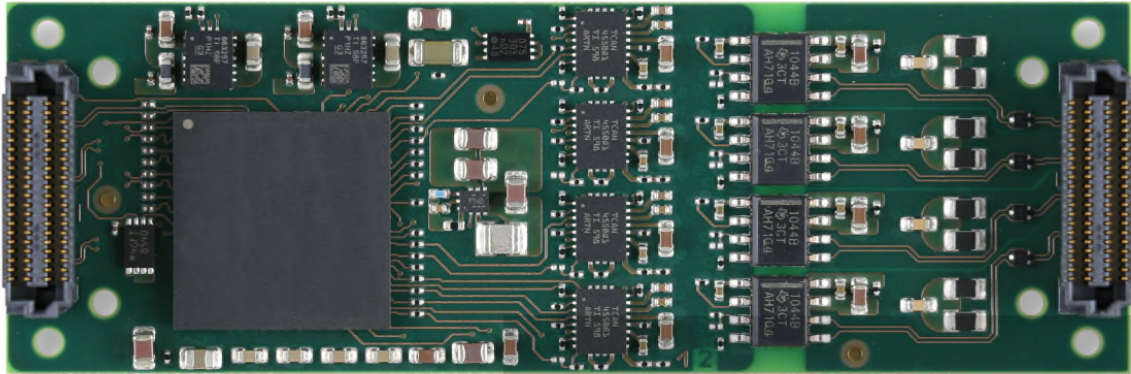


TQMC802 4 Channel Isolated CAN FD



TQMC802-10R

Application Information

The TQMC802 is a standard single-width QMC module conforming to the VITA 93.0 standard for small form factor (SFF) mezzanine modules. It offers 4 independent isolated CAN bus interfaces.

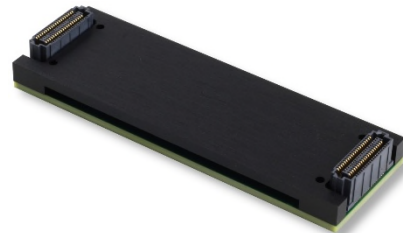
Additionally to the CAN 2.0 part A and B specification, CAN FD with data rates of up to 5 Mbps is supported.

All channels have the capability to transmit, receive and perform message filtering on CAN FD, extended and standard messages.

Each channel supports CAN FD according to ISO11898-2 as the physical interface. The bus line termination is configurable, individually for each channel. Each channel provides fault protected transceivers supporting data rates of up to 5 Mbps.

Software Support for different operating systems is available.

The TQMC802 is available as air cooled and conduction cooled variant.



Conduction Cooled QMC

Technical Information

- Form Factor: Standard single-width QMC module conforming to VITA 93.0
 - Board size: 26 mm x 78.25 mm
- PCI Express 2.1 compliant interface
- IPMI resource: FRU hardware definition information stored in on-board EEPROM
- 4 isolated CAN Bus Channels
 - CAN FD or Classic CAN supported per channel
- Programmable transfer rates
- Fault protected isolated transceivers supporting data rates of up to 5 Mbps (CAN FD)
- Configurable bus termination per channel
- Operating temperature -40 °C to +85 °C
- Mean Time Between Failure (MTBF)
 - TQMC802-10R: 1.700.000 h



Block Diagram

Order Information

RoHS Compliant

- TQMC802-10R-A** 4 Channel Isolated CAN FD, air cooled
TQMC802-10R-H 4 Channel Isolated CAN FD, conduction cooled

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

For the availability of conformal coated products please contact TEWS.

Software

- TDRV025-SW-25** GreenHills Integrity Device Driver
TDRV025-SW-42 VxWorks Device Driver
TDRV025-SW-65 Windows Device Driver
TDRV025-SW-82 Linux Device Driver
TDRV025-SW-95 QNX Neutrino Device Driver

For other operating systems please contact TEWS.