TCPS007-TM Rear I/O Module for Quad 10/100/1000 Ethernet CPCI-S.0 Modules

TCPS007-TM-10R

Application Information

The TCPS007-TM is a PICMG CPCI-S.0 R2.0 compatible 3U rear I/O module that provides a four channel 10Base-T / 100Base-TX / 1000Base-T Ethernet interface.

The TCPS007-TM distributes the Ethernet signals of TEWS' Gigabit Ethernet CPCI-S.0 modules with rear I/O to RJ-45 connectors located in the front panel of the module.

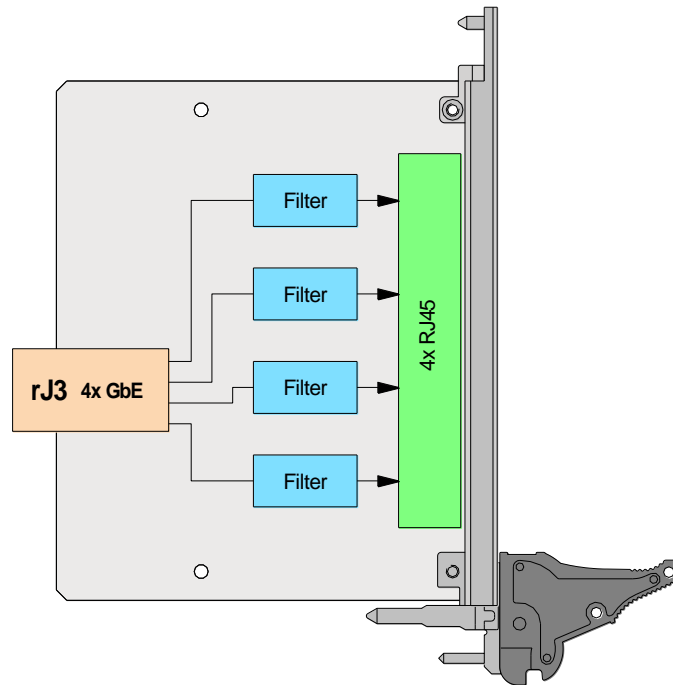Impedance mismatches, caused by backplane connectors, lead to signal distortion of the Ethernet signals. To reduce these effects, the routing on the TCPS007-TM is optimized for differential Ethernet signals.

Additionally, common mode choke filters are placed into the Ethernet signal lines to improve signal quality by suppressing common mode noise on the Ethernet signal lines.

The operating temperature is -40°C to +85°C.

Technical Information

- Form Factor: CPCI-S.0 Rear Board
  - Board size: 100 mm x 80 mm
- I/O lines routed to RJ45 connectors in the front panel

- Operating temperature -40°C to +85°C
- MTBF (MIL-HDBK217F/FN2 G_B 20°C) TCPS007-TM-10R: 56578000 h

Order Information

RoHS Compliant

TCPS007-TM-10R   Rear I/O Module for Quad 10/100/1000 Ethernet CPCI-S.0 Modules

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

Documentation

TCPS007-TM-DOC   User Manual