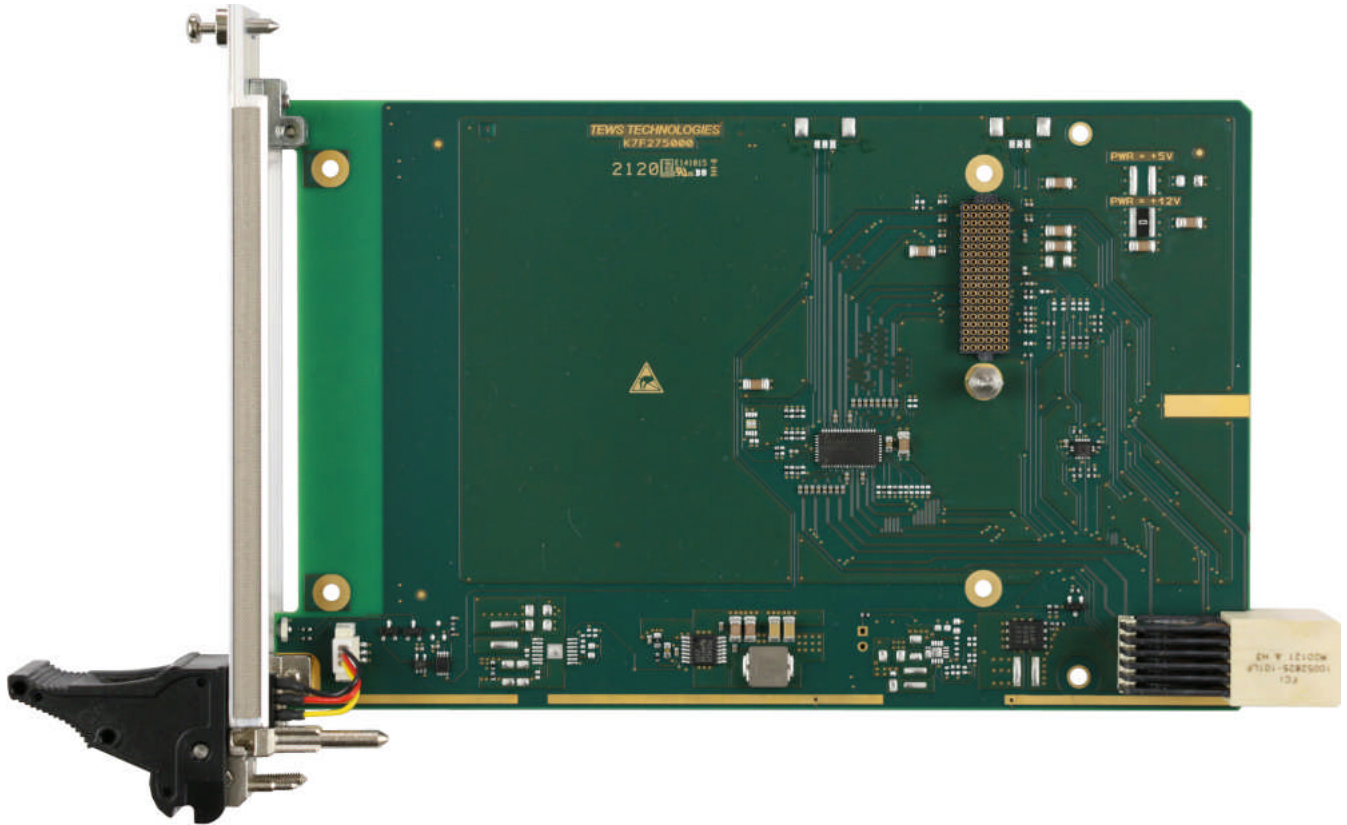


## TCPS275 3U CompactPCI Serial XMC Module Carrier



TCPS275-10R

### Application Information

The TCPS275 is a PICMG CPCI-S.0 R2.0 compatible 3U module that provides one slot for a single-width XMC module used to build modular, flexible and cost effective I/O solutions for all kinds of applications like process control, medical systems, telecommunication and traffic control.

The TCPS275 is a versatile solution to upgrade well known XMC I/O solutions to the CompactPCI Serial standard.

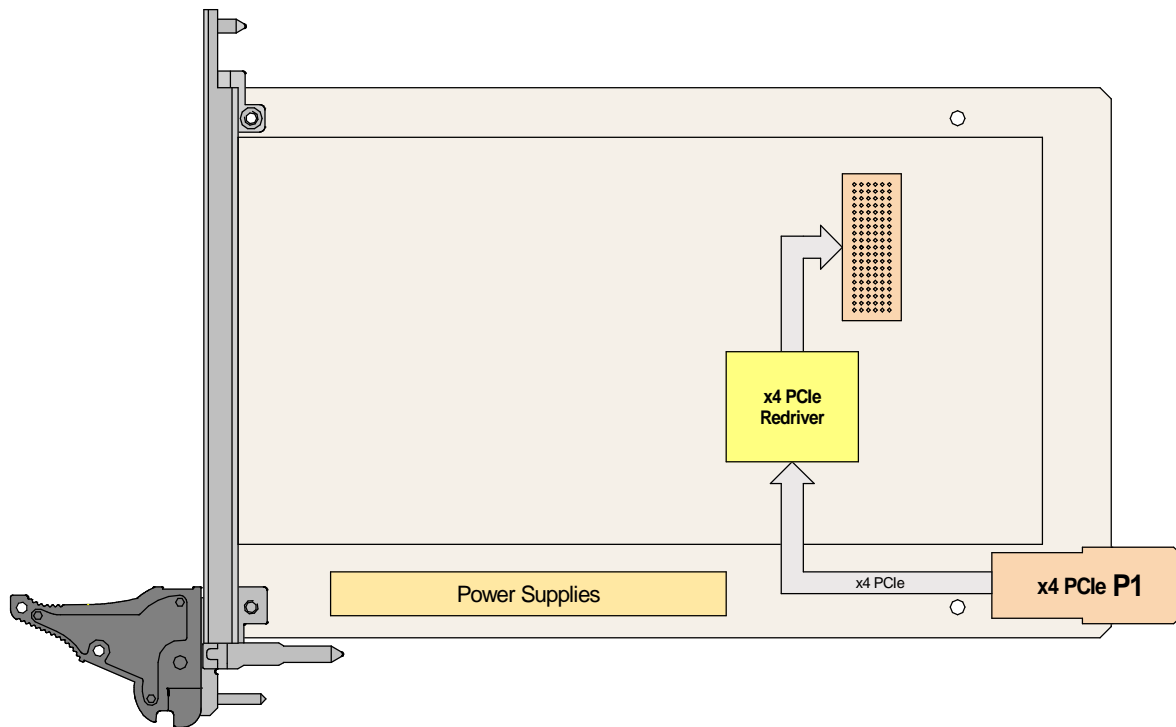
The PCI Express x4 link from the host board to the XMC module is enhanced by a PCIe Gen3 Redriver, allowing safe operation of XMC modules in distributed PCIe systems.

The TCPS275 supports XMC front panel I/O.

VPWR is 12 V for all variants.

### Technical Information

- Form Factor: 3U CPCI-S.0 R2.0
  - Board size: 160 mm x 100 mm
- One XMC site conforming to VITA 42.3
  - PCIe Interface: x4, Rev. 3.0
  - 12 V VPWR
  - XMC Front Panel I/O
- Operating temperature -40°C to +85°C
- MTBF (MIL-HDBK217F/FN2 GB 20°C)  
TCPS275-10R: 1026000 h



TCPS275-10R

## Order Information

### RoHS Compliant

**TCPS275-10R** 1 Slot Standard-XMC Carrier, PCIe x4, VPWR = 12V

For the availability of TCPS275 variants with VITA61.0 connectors please contact TEWS.

### Documentation

**TCPS275-DOC** User Manual