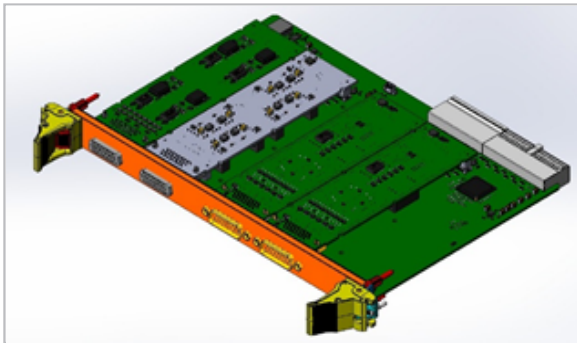


DIC553

6U CompactPCI® I/O Carrier Module



Features

- Interface with system bus: CompactPCI 32Bit, 33MHz;
- 4 x UART interfaces;
- 4 x SPI interfaces with maximum word length of 32 bit;
- 16 bit parallel port ;
- Overall dimensions: no more than 267.0 mm x 214.0 mm x 21.0 mm;
- Consumption current and power supply voltage (except for mezzanines power supply): +3.3V: no more than 3.6 A;
- Weight: no more than 0.5 kg;
- Operating temperature range: from -40 to +85°C;
- MTBF: no less than 100,000 hours;

Overview

The DIC553 Module is the I/O Carrier Module implemented in the 6U CompactPCI® standard. The module has a capability of installation up to 4 x MIC10xx standard size mezzanine boards.

Technical Specifications

Installation of up to 4 x I/O standard size modules

- MIC10xx (MIC1002, MIC1003, MIC1004, MIC1007, MIC1010, MIC1011, MIC1012);
- Custom-built modules or modules developed by manufacturers;

Interface with system bus: CompactPCI 32Bit, 33MHz

Interfaces available on the multiplexed bus for each mezzanine

- 4 x UART interfaces
- 4 x SPORT– serial interfaces with maximum word length of 32 bit with support of TDMA and I2S modes;
- 4 x SPI interfaces with maximum word length of 32 bit;
- 16 bit parallel port with capability of generating single output pulses;
- 16 bit parallel port with capability of generating interrupts when the state of the port outputs changes;
- 16 bit parallel port;
- 32 bit Wishbone-compatible bus;
- Interface for mezzanine identification;
- 2 x counter timers compatible with the programmable interval timer 8254 and with a clock frequency of 20 MHz;

Consumption current and power supply voltage (except for mezzanines power supply)

- +3.3V: no more than 3.6 A;

Weight

- No more than 0.5 kg;

Overall dimensions

- No more than 267.0 mm x 214.0 mm x 21.0 mm;

Resistance to sinusoidal vibrations

- For the frequencies from 10 to 500 Hz, with acceleration of 2 g;

Resistance to single shocks

- With peak acceleration 50 g;

Resistance to multiple shocks

- With peak acceleration of 30 g, number of shocks -1000;

Operating temperature range

- From -40 to +85°C;

MTBF

- No less than 100,000 hours;



DIC553

6U CompactPCI® I/O Carrier Module

Ordering information

DIC553 Configuration

DIC553 \Options

Configurations

DIC553-01

6U CompactPCI® I/O Carrier Module; 4 x UART interfaces, 16 bit parallel port, 32 bit Wishbone-compatible bus, overall dimensions: no more than 267.0 mm x 214.0 mm x 21.0 mm, weight: no more than 0.5 kg.

Conformal coating option. In this case, the order will include **\COATED** option.

Delivery checklist

DIC553 delivery checklist contains:

1. DIC553-01 6U CompactPCI® I/O Carrier Module
2. Packaging.

Ver.1.01.2021

Product specifications are subject to change without notice

Corporate offices

FASTWEL GROUP Co., Ltd

108 Profsoyuznaya str.
Moscow, Russia 117437
Tel: +7 (495) 232-1681
Fax: +7 (495) 232-1654
E-mail: info@fastwel.com
Web: www.fastwel.com



Fastwel



Fastwel



Fastwel