

BP3107

3U CompactPCI Serial backplane

- Designed special for Ethernet Switch
- G101 Men Mikro Elektronik Co., Ltd
- PICMG CPCI-S.0 specification compliant
- Hybrid configuration provides one CPCI Serial slot and 9 RJ45 connectors on rear side
- The BP3107 guarantees high speed, high efficiency security and transmission stability.
- The BP3107 with G101 features 12 Gigabit Ethernet ports: 3 on front and 9 on rear without rear transmission module.



**Embedded
Solutions**

SKYTOP ELECTRONICS Ltd

Technical Data

Electrical Specifications

- Backplane Connectors: IEC 1076-4-101, 2 mm press-fit pin and socket
- Connector Pitch: 4 HP (0.8") spacing
- 9 Gigabit Ethernet channels
- Transmission Rate: 1000 Mbit/s
- Characteristic of Impedance: 100 ohms $\pm 10\%$

Mechanical Specifications

- Dimensions: conforming to CompactPCI Serial specification for 3U boards
- Weight: 200g
- Backplane Material: FR4

Environmental Specifications

- Temperature range (operation): $-40..+85^{\circ}\text{C}$
- Temperature range (storage): $-40..+85^{\circ}\text{C}$
- Relative humidity (operation): max. 95% non-condensing
- Relative humidity (storage): max. 95% non-condensing
- Altitude: -300m to + 3,000m
- Shock: 15g/11ms
- Bump: 10g/16ms
- Vibration (sinusoidal): 2g/10..200Hz
- Conformal coating on request

MTBF

500 000 h @ 40°C (derived from MIL-HDBK-217F)

Contact Information

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