CPS3101
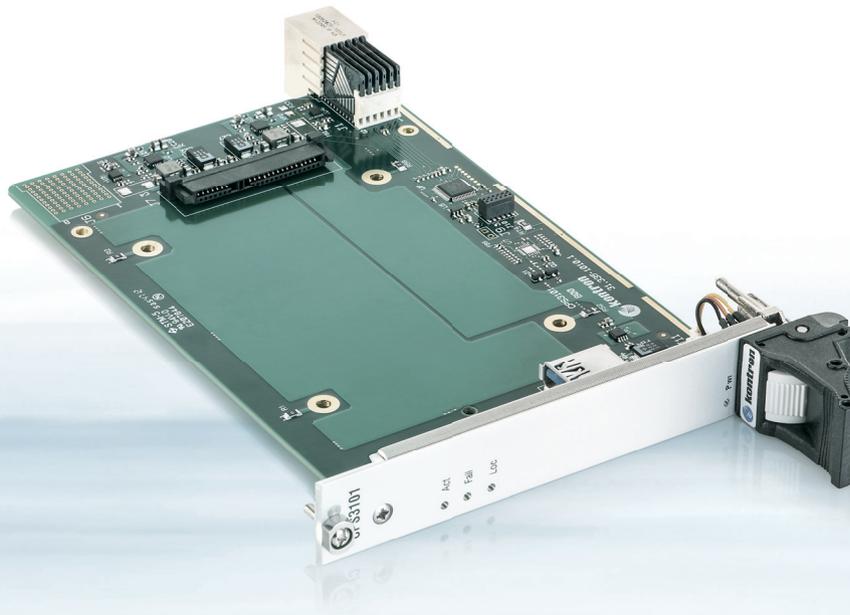
▼

3U CPCI-S.0 CARRIER FOR 2.5" SATA HDD/SSD

▶ High-Speed Connectivity
▶ Service-Friendly Implementation
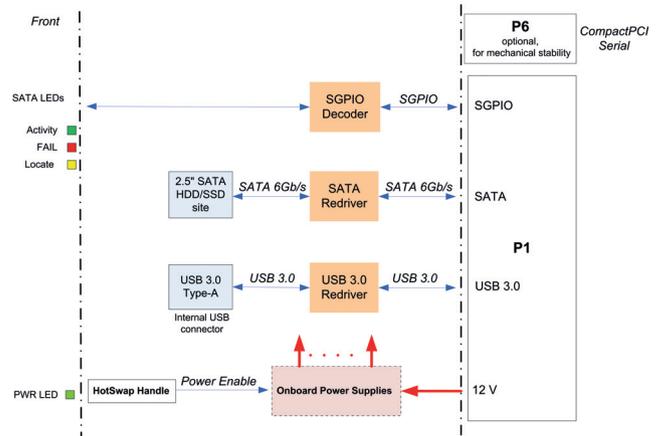▶ Rugged Design

POSSIBILITIES START HERE ◆ kontron

CPS3101
3U CPCI-S.0 CARRIER FOR 2.5" SATA HDD/SSD

The CPS3101 is a 3U CompactPCI® Serial carrier board that provides support for one 2.5" SATA HDD or SSD (transfer rates up to 6Gb/s are supported). In addition, the CPS3101 is equipped with an on-board USB 3.0 connector enabling the connection to system-internal USB devices.

To ensure maximum signal integrity, redriver components are used for the SATA and USB interfaces.

The complete board design is optimized for best shock and vibration resistance. Moreover, it offers customers a service-friendly implementation. Status information of the carrier board and the drive assembled are shown via four LEDs on the front panel. If a drive fails, the complete carrier board can be hot swapped during system operation.

▶ TECHNICAL INFORMATION

FRONT INTERFACES	LEDS	- Act (Activity): Activity of the HDD/SSD - Loc (Locate): Locates the HDD/SSD in a RAID array - Fail (Error): Failure Status of the HDD/SSD - Pwr (Power): Power Status of the CPS3101
	HOT SWAP HANDLE	If the HS handle is pressed the onboard power supplies will be shut down and the board can be safely removed from the CPCI-S.0 system environment
ONBOARD INTERFACES	SATA USB	One SATA connector for connecting one 2.5" SATA HDD/SSD, SATA 6Gb/s One angled USB 3.0 connector, 9-pin type-A
COMPACTPCI SERIAL INTERFACE	CPCI-S.0 INTERFACE	- P1 connector supporting one SATA 6Gb/s, one USB 3.0 interface and the SGPIO bus - Option to assemble the P6 for increased mechanical stability
COMPLIANCY		- CompactPCI® Serial Specification PICMG® CPCI-S.0 R1.0 - Safety: compliant to IEC60950-1, EN60950-1, UL94-V0; designed to meet: UL60950-1, CSA 22.2 No. 60950-1 - EMC: compliant to EN55022 Class B, EN55024, EN61000-6-1/ -2/ -3 /-4, EN50121-3-2 (Railway); designed to meet: FCC, VCCI, BSMI
GENERAL	DIMENSIONS WEIGHT MTBF	3U / 4HP, 100 x 160 mm 135 g 1,731,576 h acc. to MIL-HDBK-217 FN2, Ground Benign, controlled at 30°C
ENVIRONMENTAL	OPERATING TEMPERATURE STORAGE TEMPERATURE CLIMATIC HUMIDITY	0°C to +60°C standard, -40°C to +85°C extended temperature -40°C to +85°C (without additional components) 93% RH at 40°C, non-condensing (acc. to IEC 60068-2-78)

▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
CPS3101	3U/4HP carrier board for one 2.5" SATA HDD/SSD, internal USB 3.0 connector

▶ CORPORATE OFFICES

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