



Product Information

SD1-DISCO • CompactPCI® Serial SATA Storage Card

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General

The SD1-DISCO is a peripheral slot card for CompactPCI® Serial systems. The SD1-DISCO accommodates either a 2.5-inch size SATA SSD/HDD, or a Micro-SATA 1.8-inch SSD, removable through a front panel slot. SATA redrivers are provided for signal conditioning.

With two or more SD1-DISCO boards in a system, a RAID storage system can be configured. Front panel LEDs indicate drive status information. A solid state drive (SSD) is recommended for optimum performance, even in a harsh environment.



SD1-DISCO with 2.5-Inch SSD

System Integration Options

The SD1-DISCO is a CompactPCI® Serial peripheral card. CompactPCI® Serial (CPCI-S.0) is a PICMG® standard for modular industrial computers, which provides high speed serial I/O (PCI Express®, SATA, USB, Gigabit Ethernet) over the backplane. The CPCI-S mechanical design is fully backward compatible to CompactPCI® Classic and will interoperate with existing systems, by means of a hybrid backplane.

Hybrid systems (providing card slots for both CPCI Classic & CPCI Serial) can be configured by means of a CompactPCI® PlusIO CPU card such as the PC1-GROOVE or PC2-LIMBO in combination with a suitable hybrid backplane.

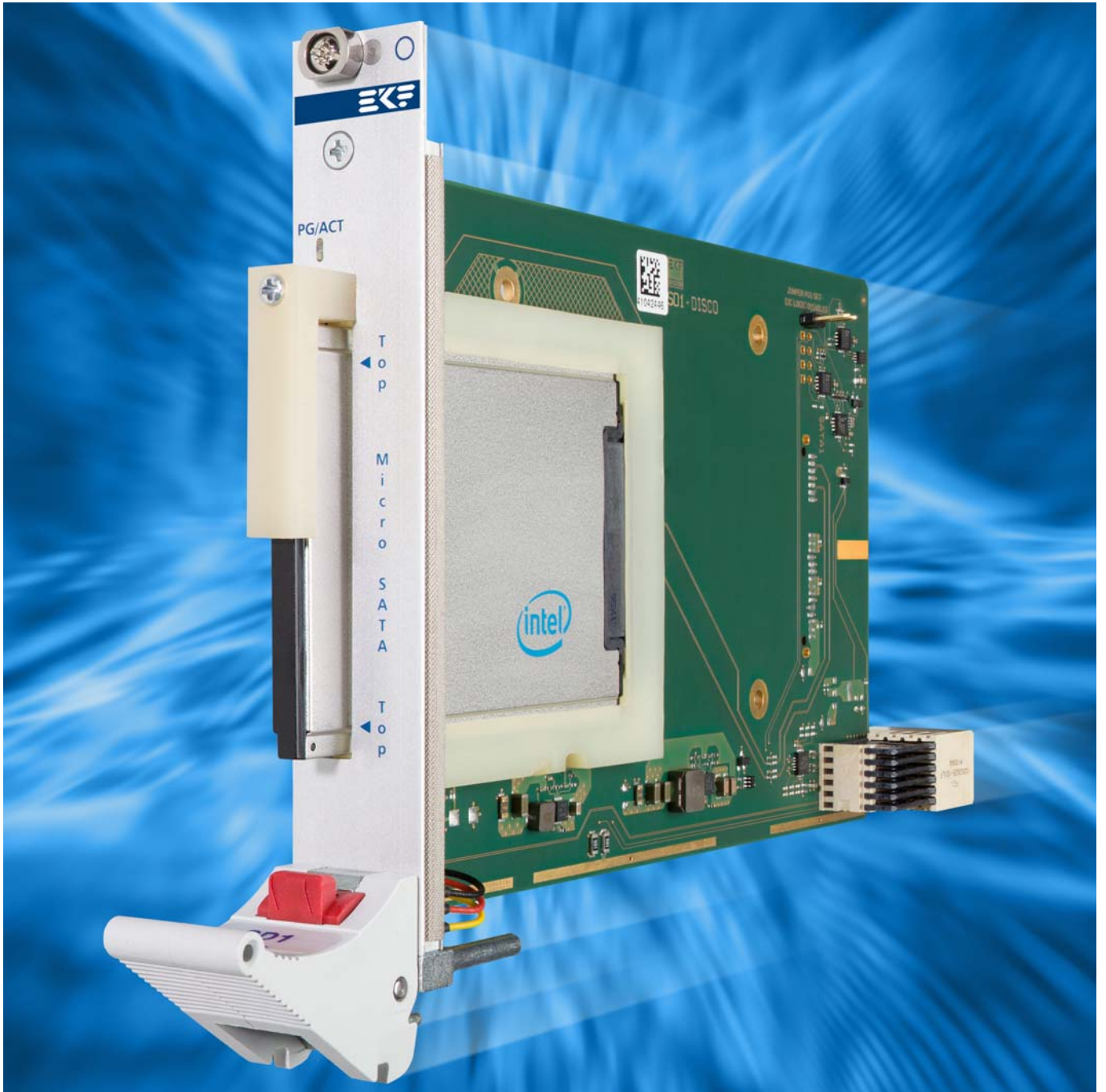
Native CompactPCI® Serial systems (up to 8 CPCI Serial peripheral card slots) can be built around a suitable system slot CPU board such as the SC1-ALLEGRO.

Benefits of the SD1-DISCO

- ▶ PICMG® CompactPCI® Serial Standard (CPCI-S.0)
- ▶ Peripheral Slot Card (up to 8 SATA Channels Specified on a CPCI-S Backplane)
- ▶ Carrier Board for a Single SATA Drive, Choice Between Three Options
- ▶ Option 2.5-Inch SATA SSD/HDD
- ▶ Option 1.8-Inch Micro-SATA SSD (Removable through Front Panel Cutout)
- ▶ Option on-Board USB Receptacle (Available Concurrent to 2.5-Inch SSD)
- ▶ Suitable for RAID or Non-RAID Operation
- ▶ Suitable for CompactPCI® Serial System Slot Controller SC1-ALLEGRO (CPU Board)
- ▶ Suitable for CompactPCI® PlusIO System Slot Controller PC1-GROOVE (CPU Board)
- ▶ CompactPCI® Serial Backplanes Available (Hybrid or Native)
- ▶ Rugged Solution (Coating/Sealing Available on Request)
- ▶ RoHS compliant

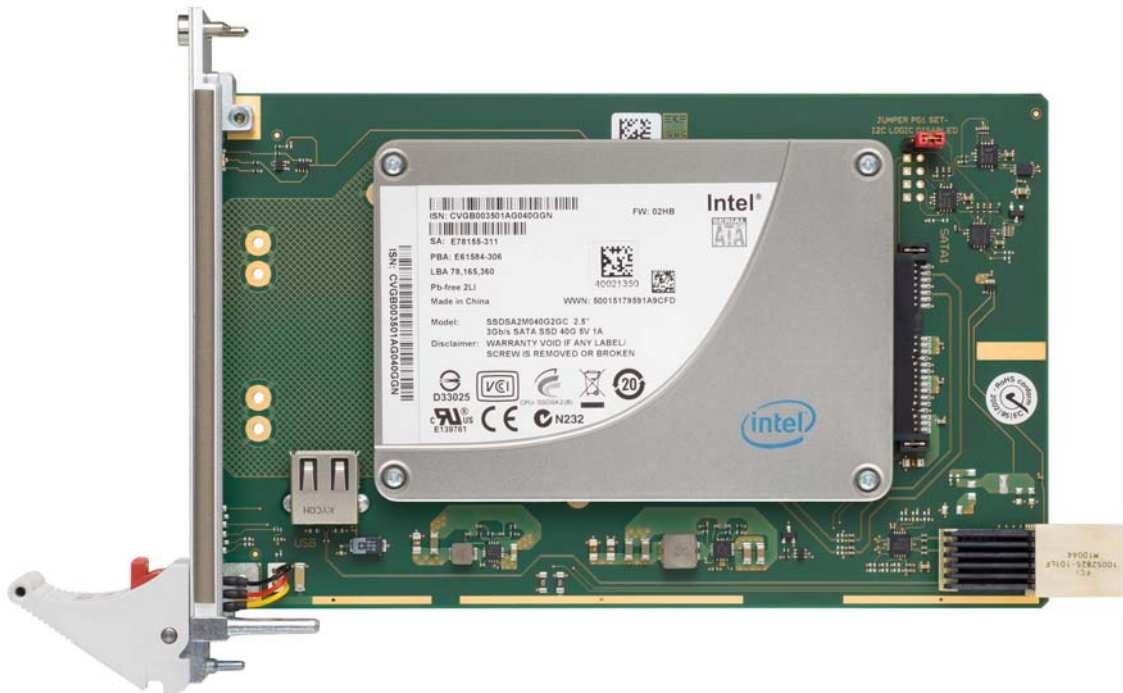
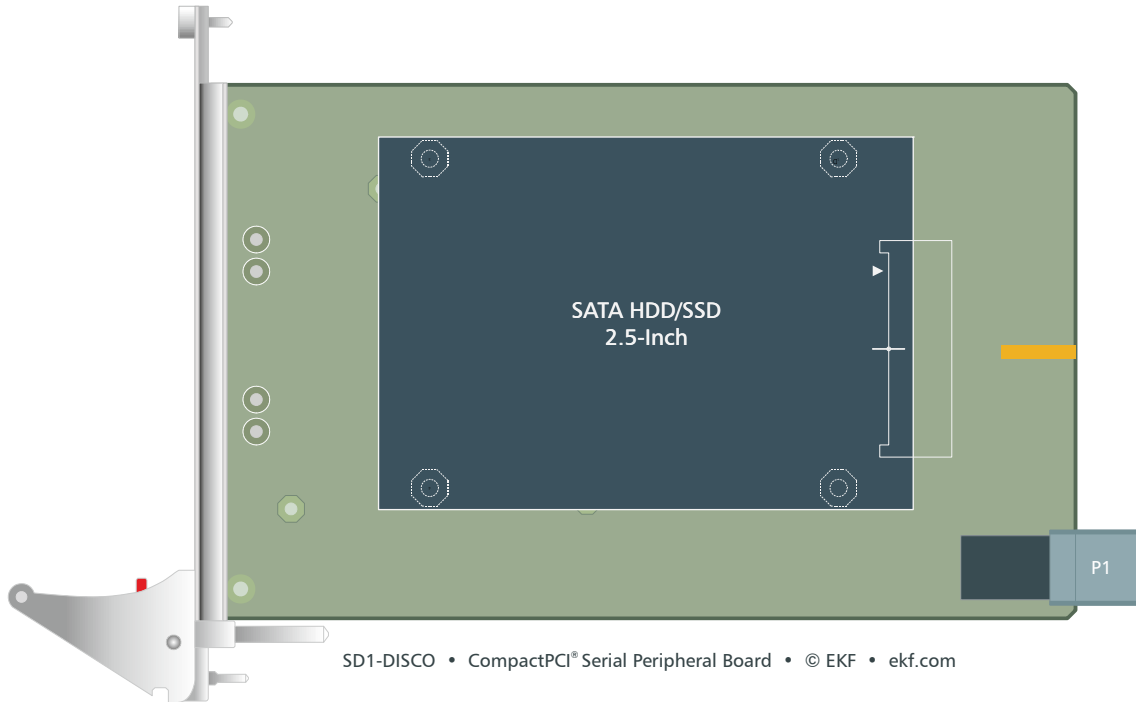


SD1-DISCO w. Fixed SSD 2.5-Inch

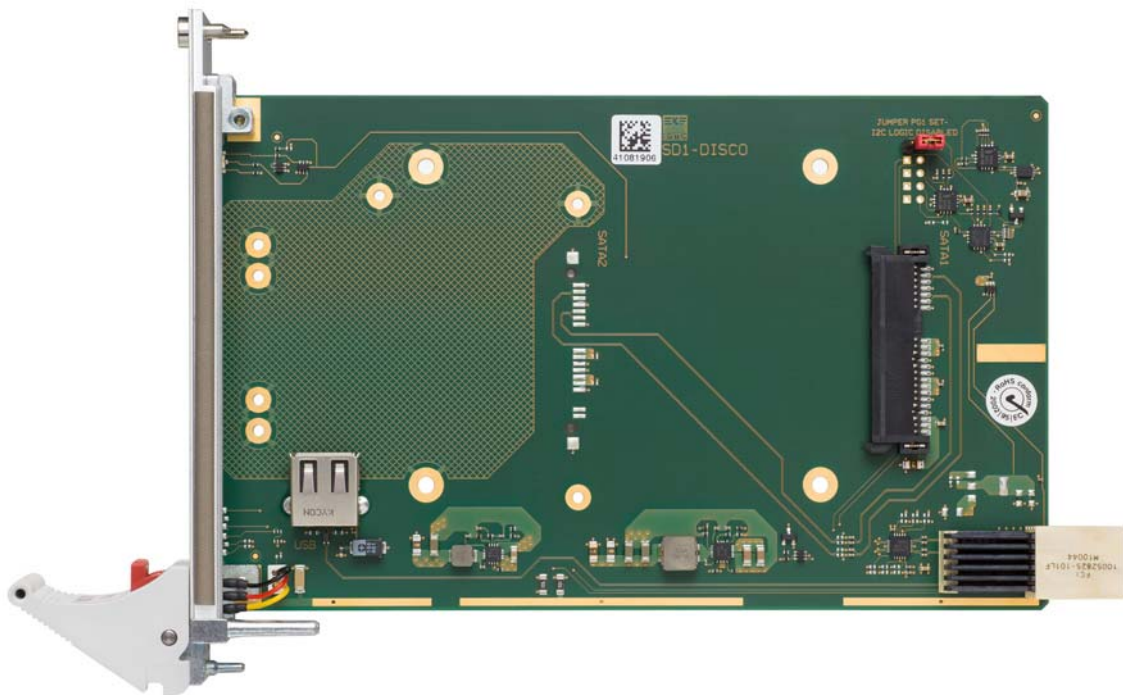
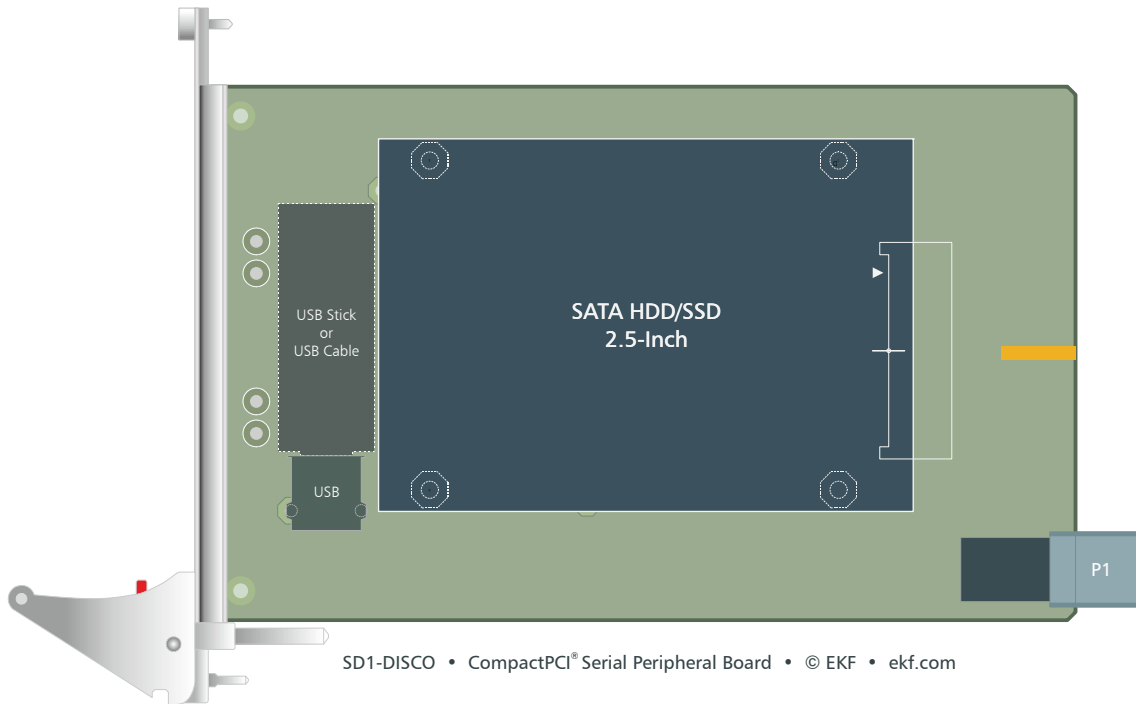


SD1-DISCO w. Removable SSD 1.8-Inch

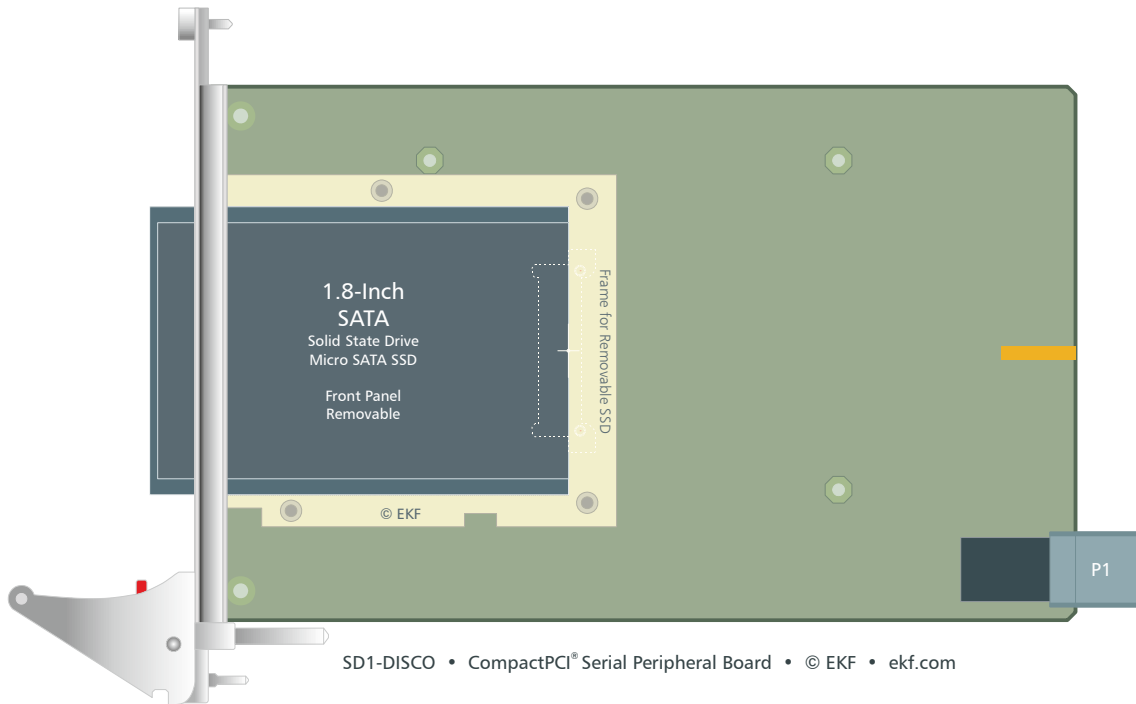
Option Internal 2.5-Inch Drive



Option Internal 2.5-Inch Drive & USB

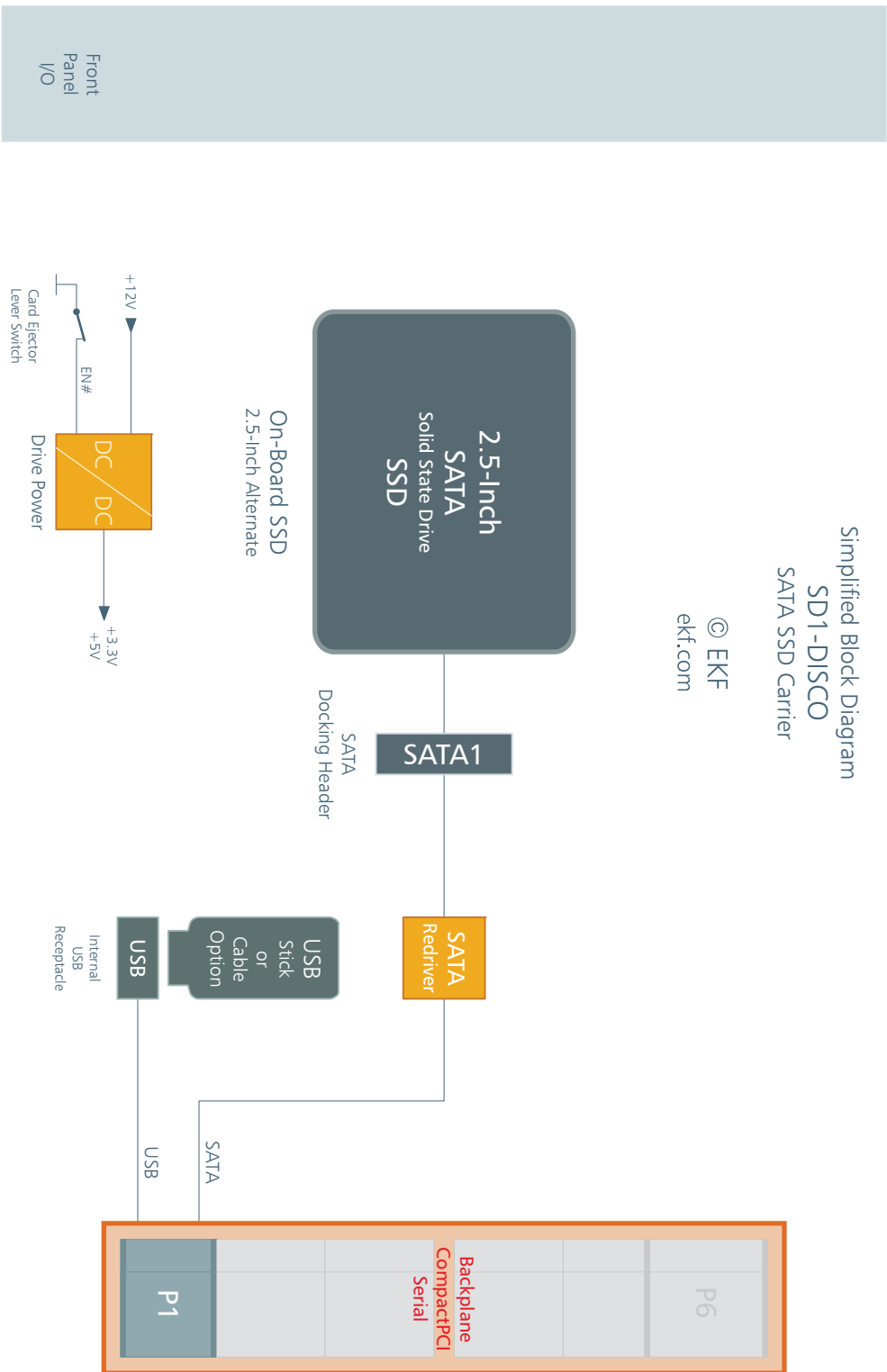


Option Removable 1.8-Inch Drive

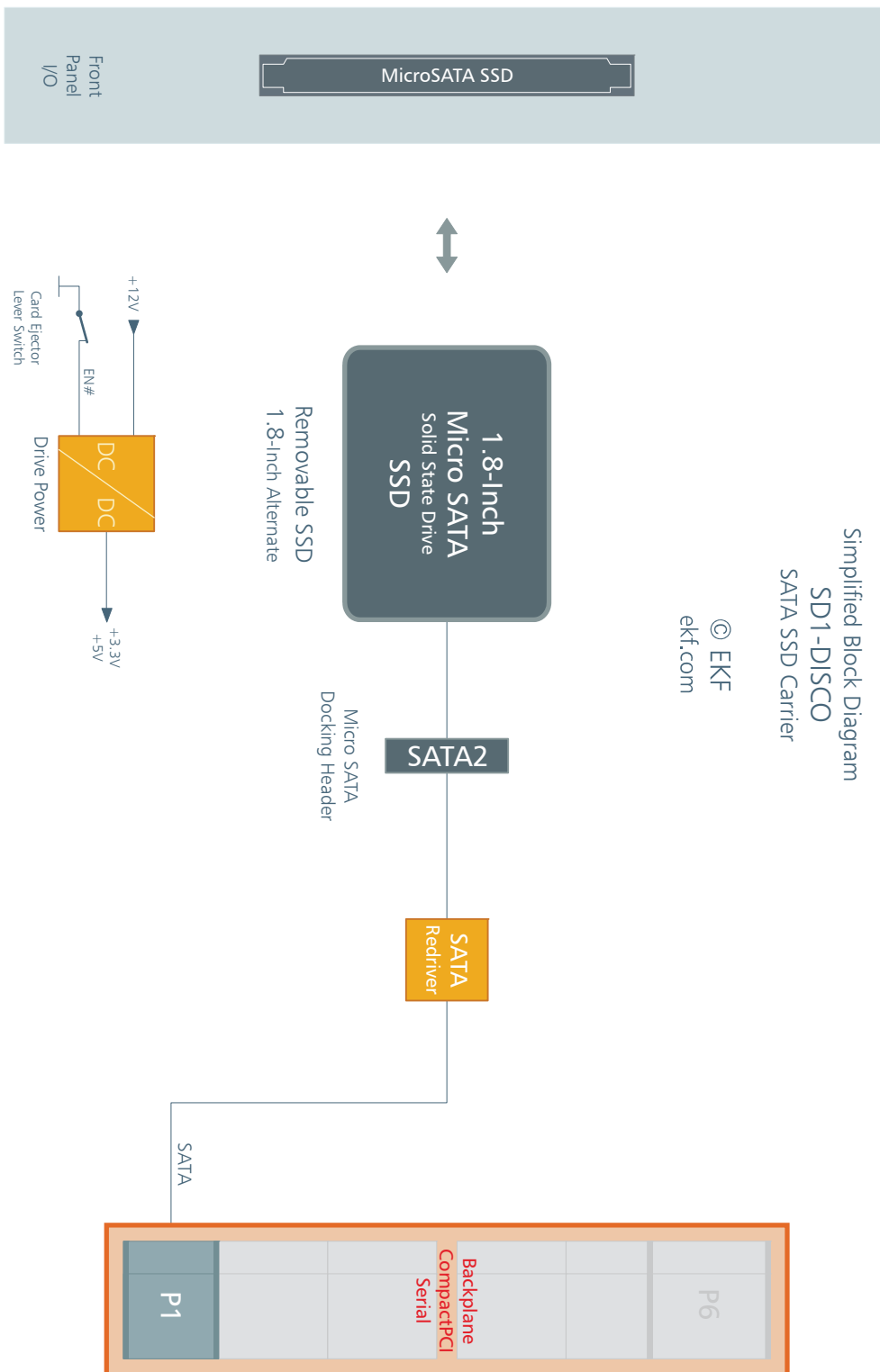




Block Diagram 2.5-Inch Drive



Block Diagram 1.8-Inch Removable Drive



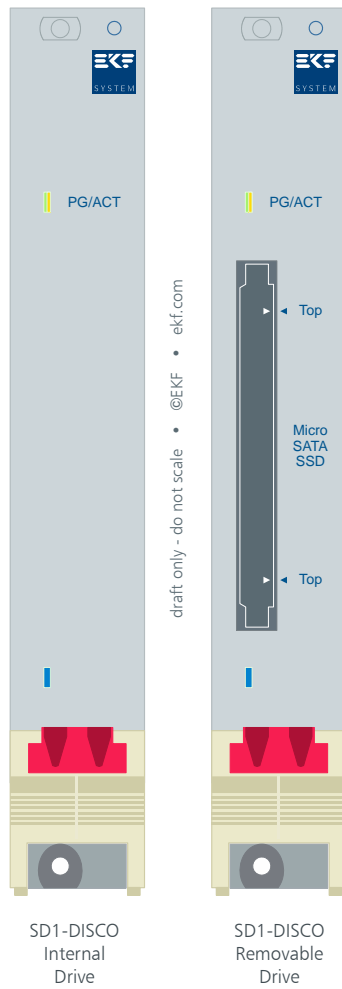


Sample 2.5-Inch SATA SSD



Sample 1.8-Inch SATA SSD

Front Panel Options



Ordering Information

For popular SD1-DISCO SKUs please refer to www.ekf.com/liste/liste_21.html#SD1

Related Documents CompactPCI® PlusIO & CompactPCI® Serial

CompactPCI® PlusIO & Serial Overview	www.ekf.com/s/cpci_serial_overview.pdf
CompactPCI® PlusIO Home	www.ekf.com/p/plus.html
CompactPCI® Serial Home	www.ekf.com/s/serial.html

Rear View



Related Products • P = PlusIO
 PICMG® 2.30 CompactPCI® PlusIO

PC1-GROOVE

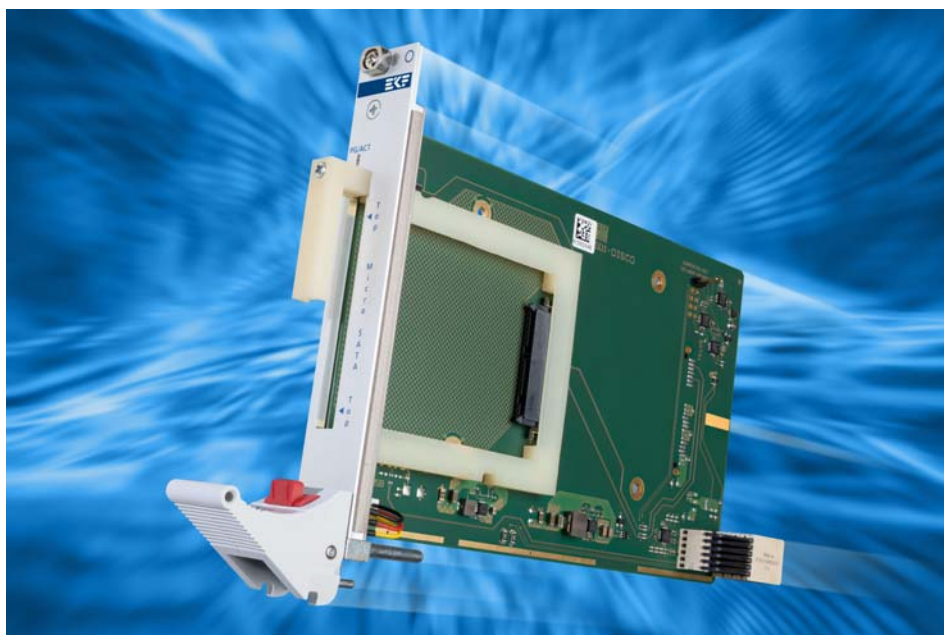
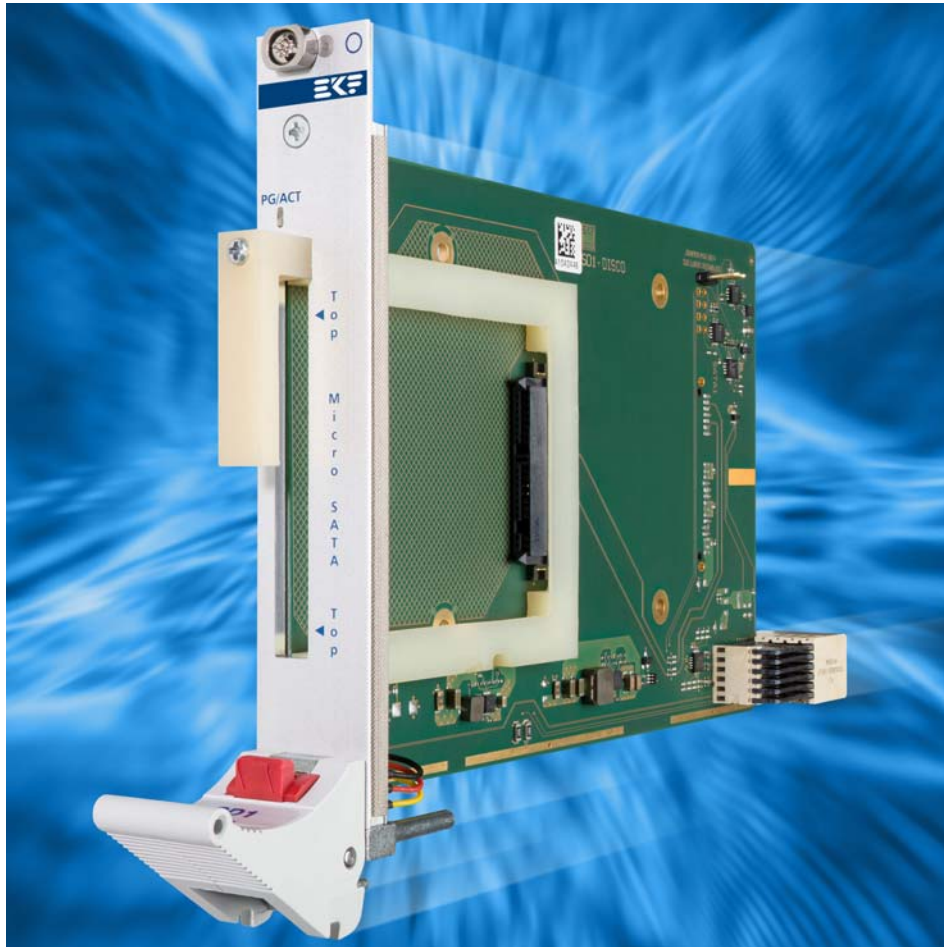
CompactPCI® PlusIO CPU Card, for Hybrid Backplanes • www.ekf.com/p/pc1/pc1.html

Related Products • S = Serial
 PICMG® CPCI-S.0 CompactPCI® Serial

SC1-ALLEGRO

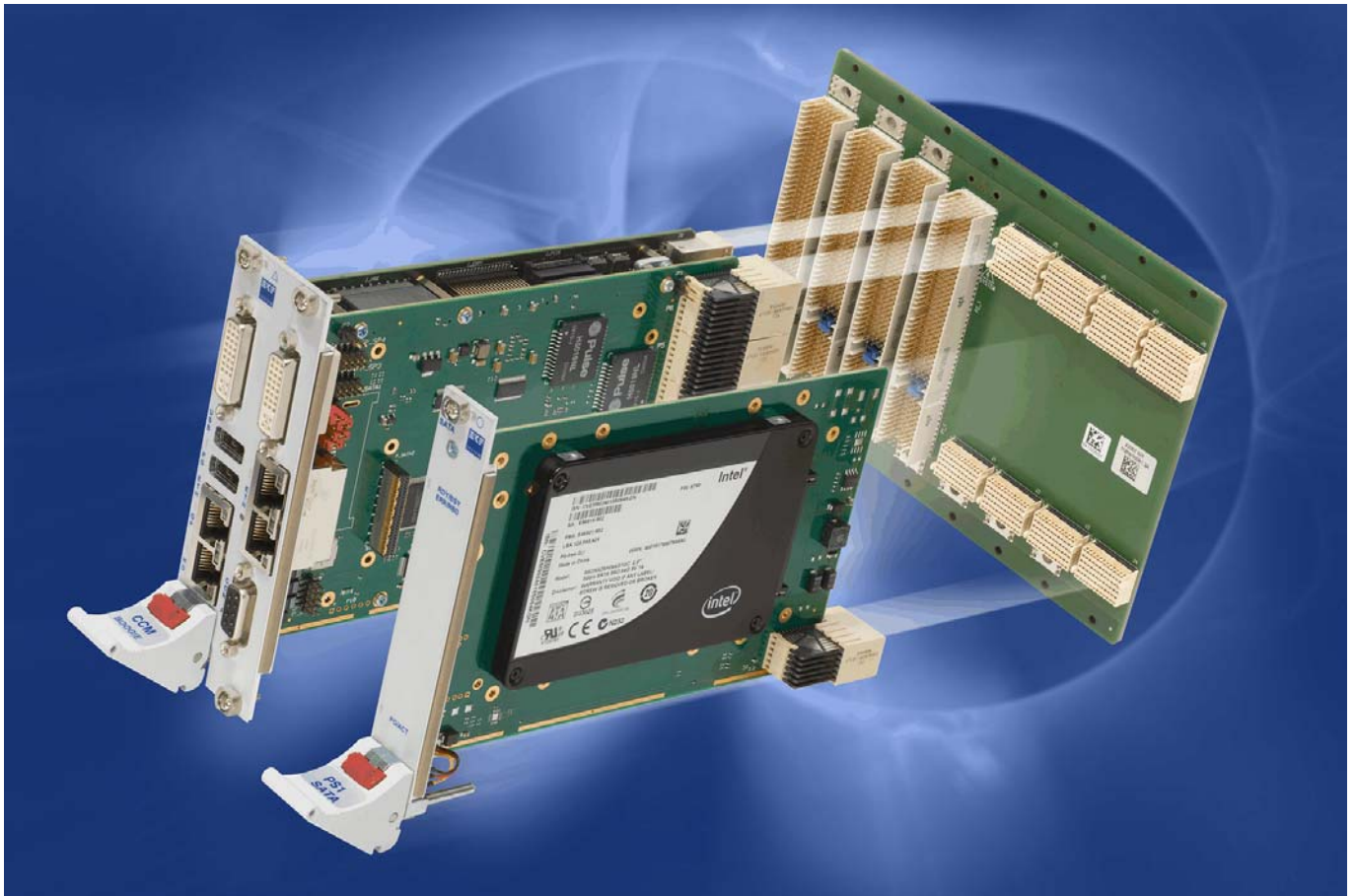
CompactPCI® Serial System Slot CPU Card, for Native CompactPCI® Serial Backplanes • www.ekf.com/s/sc1/sc1.html





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