

DEVICE CONNECTORS

Business Unit: Printed Circuit Board Connectors (PCC)

June 2024

SPC 4 connectors

Save space and production costs with flexible new device connector



WHAT TO KNOW

With a pitch of just 6.35 mm, the SPC 4 PCB connector series takes up even less space on the device. The new design allows the customer added flexibility within the design process. The THR headers on the SPC 4 series enable automated assembly, reducing production costs. In addition, this series also has reflow soldering capability, proven push-in connection makes installation easy, and accommodates large conductors up to 10 AWG. With extended touch protection on the header and plug, the connector also provides added value in terms of safety.

FEATURES & BENEFITS:

- **Compact:** Connectors with 6.35-mm pitch help save space on the device front
- **Innovative:** Device designers have more freedom with the clever shield-contacting mechanism
- **Multivariant:** Locking via top lock or middle flange is reliable and saves space
- **Safe:** Enhanced touch protection on header and connector offers extra safety
- **Efficient:** The THR headers help reduce production costs due to suitability for reflow soldering and automated assembly

TARGET MARKETS:

- Automation technology
- Building technology
- Process technology

TARGET GROUPS

- Engineers
- Procurement
- Component management

TARGET APPLICATIONS

- Servo drives
- Power supplies
- Inverters
- Energy distribution

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Email: us-info@phoenixcontact.com | Website: www.phoenixcontact.com

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WHAT TO SAY

Top three value propositions

1. Save space on the board with a power connector on a compact pitch
2. Multiple variations enable secure mating to the board in high-vibration environments
3. Cost-optimized manufacturing process reduces production steps with THR compatibility

Cross-selling

1. PC 4 THR headers
2. Enclosures, in case the end application needs to be enclosed
3. Other COMBICON products, specifically signal connectors on the board

WHAT TO SHOW

LITERATURE: Q2 New Products Brochure (U006856A)
Connectors for SMT Production (1479635-01)

PRESENTATIONS: SPC presentation

VIDEOS: [Innovative SPC 4 PCB connectors save space and production costs \(youtube.com\)](#)

LANDING PAGE: www.phoenixcontact.com/pcb-connectors

WHAT TO DO

PRODUCT MARKETING CONTACT INFORMATION:

Collin C. Long

Lead Product Marketing Specialist, PCB Connectors
Phoenix Contact USA, Inc.

clong@phoenixcontact.com

Cell: 717-370-1922
phoenixcontact.com