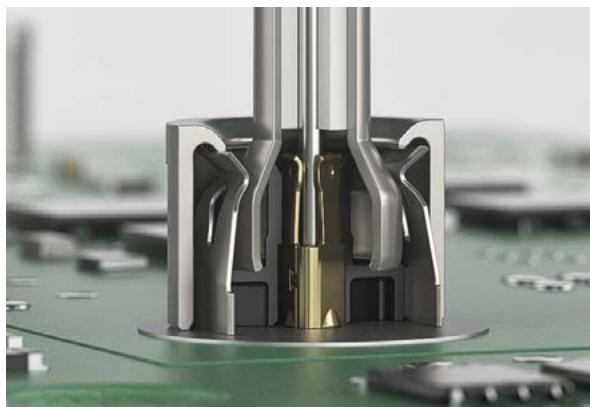


Outstanding Board-to-Board Solution – One Solution Fits All

New Rosenberger EBC™ – 5G Future-Proof

Rosenberger's new series EBC™ is designed for board-to-board and board-to-module RF interconnections.



The enhancement of the mechanical design is outstanding: limited detent and smooth bore interfaces are integrated into the adaptor – one side of the bullet is responsible for limited detent, the other side for smooth bore.

EBC™ Advantages

- ✓ The component for several applications
- ✓ Blind mate
- ✓ High reliability
- ✓ EMC-optimized

Rosenberger



PCB Solution

Filter Solution

EBC™ – One Solution for Different Applications

EBC™ Performance

Electrical Performance

- Frequency range: DC to 8 GHz
- Power: 100 W @ 2.2 GHz @ 25 °C
- Return loss: ≥ 20 dB (typ.) depending on axial misalignment
- RF leakage: ≥ 50 dB @ DC to 4 GHz
- Crosstalk next / fext: ≥ 70 dB @ DC to 4 GHz

Mechanical Performance

- Minimum board-to-board distance: 12 mm
- Pitch: > 7.2 mm
- Axial tolerance: ± 0.8 mm
- Radial tolerance: max. 4°

Materials

- Center contact: spring brass – Aurodur® / silver
- Outer contact: spring brass – Optalloy / Optargen
- Dielectric: LCP – PTFE / FEP

Rosenberger

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