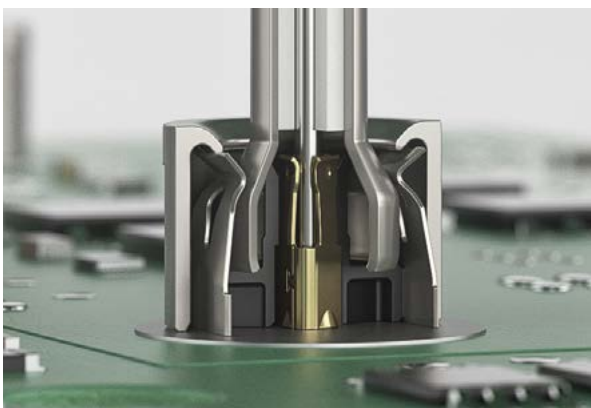


Outstanding Board-to-Board Solution – One Solution Fits All

## New Rosenberg EBC™ – 5G Future-Proof

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

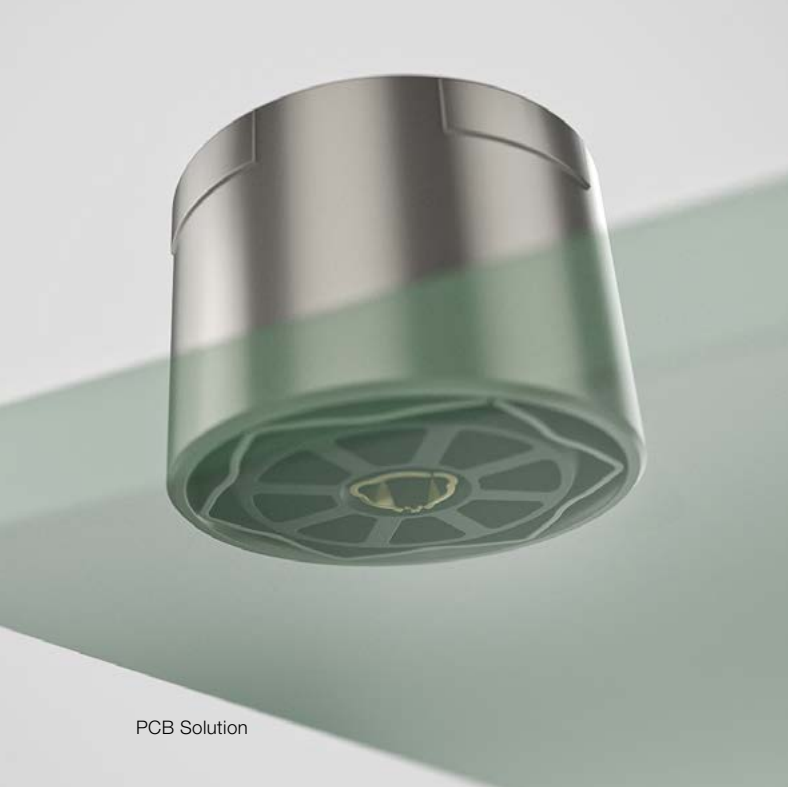


The enhancement of the mechanical design is outstanding: limited detent and smooth bore interfaces are integrated into the adaptor – one side of the bullet is responsible for limited detent, the other side for smooth bore.

### 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:  $\geq 20$  dB (typ.) depending on axial misalignment
- RF leakage:  $\geq 50$  dB @ DC to 4 GHz
- Crosstalk next / fext:  $\geq 70$  dB @ DC to 4 GHz

#### Mechanical Performance

- Minimum board-to-board distance: 12 mm
- Pitch:  $> 7.2$  mm
- Axial tolerance:  $\pm 0.8$  mm
- Radial tolerance: max.  $4^\circ$

#### Materials

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

#### Rosenberger

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