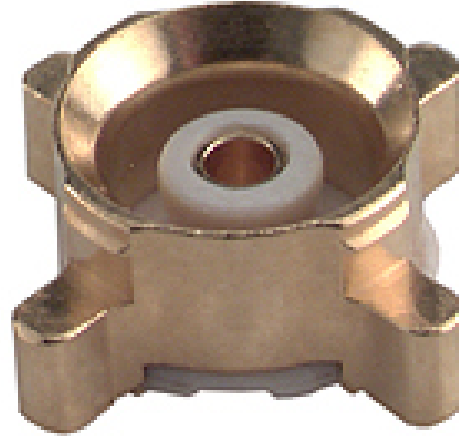


**COAXIAL CONNECTOR, MMBX, 50 Ohm, Straight PCB jack (female)**

82\_MMBX-S50-0-1/111\_N

**Properties**

- Smallest board-to-board distance
- Very high frequencies
- Excellent return loss values
- Blind mateable
- Reliable and secure connection

**Product configuration**

|                |        |                   |
|----------------|--------|-------------------|
| Interface type | Gender | Standard          |
| MMBX           | jack   | HUBER+SUHNER-MMBX |

**Interface and material data**

|                 |                              |                 |
|-----------------|------------------------------|-----------------|
| Piece parts     | Material                     | Plating         |
| Centre contact  | Brass                        | SUCOPRO Plating |
| Outer conductor | Brass                        | SUCOPRO Plating |
| Body            | Brass                        | SUCOPRO Plating |
| Insulator       | LCP (Liquid crystal polymer) |                 |

**Electrical data**

|                     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| Interface frequency | 12.4 GHz    |

**Electrical Data (frequency related)**

| Frequency range    | Return loss | VSWR |
|--------------------|-------------|------|
| 0 GHz ... 2.5 GHz  | 26 dB       | 1.11 |
| 2.5 GHz ... 6 GHz  | 25 dB       | 1.12 |
| 6 GHz ... 12.4 GHz | 7 dB        | 2.61 |

**Mechanical data**

|                        |               |
|------------------------|---------------|
| Weight                 | 0.0003 kg     |
| Mating cycles          | 100           |
| Board mounting type    | surface mount |
| Number of printlegs    | 4             |
| Height above PCB HA    | 3.1 mm        |
| Height of stand off HS | 0.6 mm        |

**COAXIAL CONNECTOR, MMBX, 50 Ohm, Straight PCB jack (female)**

82\_MMBX-S50-0-1/111\_N

| Engagement / Disengagement force |            |               |
|----------------------------------|------------|---------------|
|                                  | Engagement | Disengagement |
| Interface force max              | 30 N       | 30 N          |

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 155 °C |

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 23001785            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |
| 23001784            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |
| 23001783            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |

| Ordering Information Table |                        |                |                       |
|----------------------------|------------------------|----------------|-----------------------|
| Item number                | Item description       | Packaging type | Packaging information |
| 23001785                   | 82_MMBX-S50-0-1/111_NE | Single         |                       |
| 23001784                   | 82_MMBX-S50-0-1/111_NH | Bulk 100 pcs   |                       |
| 23001783                   | 82_MMBX-S50-0-1/111_NM | Tape and Reel  | 750 pcs per reel      |

| Additional Information |                               |
|------------------------|-------------------------------|
| Remarks                | PCB connector with stand-offs |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
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