

# COAXIAL CONNECTOR, MMBX, 50 Ohm, Straight bulkhead cable jack (female)

24\_MMBX-50-2-2/111\_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  | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Outer conductor | Brass                  | SUCOPRO Plating                   |
| Body            | Brass                  | SUCOPRO Plating                   |
| Insulator       | PFA / PTFE / LCP       |                                   |
| Fastening nut   | Brass                  | SUCOPRO Plating                   |
| Washer          | Brass                  | SUCOPRO Plating                   |

## Electrical data

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

## Electrical Data (frequency related)

| Frequency range    | Return loss | VSWR  |
|--------------------|-------------|-------|
| 0 GHz ... 3 GHz    | -30 dB      | -1.07 |
| 3 GHz ... 6 GHz    | -27 dB      | -1.09 |
| 6 GHz ... 12.4 GHz | -23 dB      | -1.15 |

## Mechanical data

|                            |           |
|----------------------------|-----------|
| Weight                     | 0.0033 kg |
| Mating cycles              | 100       |
| Cable entry centre contact | plugged   |
| Cable entry outer contact  | soldered  |

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| Engagement / Disengagement force |            |               |
|----------------------------------|------------|---------------|
|                                  | Engagement | Disengagement |
| Interface force max              | 15 N       | 15 N          |

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

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 23037876            | 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  |

| Ordering Information Table |                       |                |
|----------------------------|-----------------------|----------------|
| Item number                | Item description      | Packaging type |
| 23037876                   | 24_MMBX-50-2-2/111_NH | Bulk 100 pcs   |

| Suitable cables |                     |
|-----------------|---------------------|
| Cable group     | Y3 - 2 mm / 50 Ohm  |
|                 | Y16 - 2 mm / 50 Ohm |
|                 | Y11 - 2 mm / 50 Ohm |
| Suitable cables | SUCOFORM_86         |
|                 | SR_86_TP_M17        |

| Additional Information |    |
|------------------------|----|
| Only as assembly       | No |

| Suitable tools |                  |                      |
|----------------|------------------|----------------------|
| Item number    | Item description | Type of tool         |
| 23024588       | 74_Z-0-0-442     | Soldering tool       |
| 22643028       | 74_Z-0-0-164     | Trimming tool        |
| 22643029       | 74_Z-0-0-157     | Cable stripping tool |

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