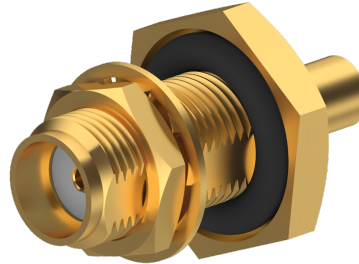


# COAXIAL CONNECTOR, SMA, 50 Ohm, Straight bulkhead cable jack (female)

24\_SMA-50-2-15/111\_N

## Properties

- Excellent return loss
- Intermateable with PC3.5 and SK
- Applicable in frequencies up to 18 GHz



## Product configuration

|                |        |                                          |
|----------------|--------|------------------------------------------|
| Interface type | Gender | Standard                                 |
| SMA            | jack   | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

## Interface and material data

| Piece parts     | Material               | Plating                           |
|-----------------|------------------------|-----------------------------------|
| Centre contact  | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Outer conductor | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Body            | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Insulator       | PFA / PTFE             |                                   |
| Gasket          | VMQ (Silicone rubber)  |                                   |
| Fastening nut   | Brass                  | Gold Plating (Nickel underplated) |
| Washer          | Bronze                 | Gold Plating (Nickel underplated) |

## Electrical data

|                     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| Interface frequency | 18 GHz      |

## Electrical Data (frequency related)

| Frequency range   | Return loss | VSWR |
|-------------------|-------------|------|
| 0 GHz ... 6 GHz   | 26 dB       | 1.11 |
| 6 GHz ... 11 GHz  | 20 dB       | 1.22 |
| 11 GHz ... 18 GHz | 16 dB       | 1.38 |

## Mechanical data

|                            |           |
|----------------------------|-----------|
| Weight                     | 0.0036 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | soldered  |

**COAXIAL CONNECTOR, SMA, 50 Ohm, Straight bulkhead cable jack (female)**

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| Mechanical data           |          |
|---------------------------|----------|
| Cable entry outer contact | soldered |

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -65 °C ... 165 °C |

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22544532            | 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  |
| 22645490            | 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 |
| 22544532                   | 24_SMA-50-2-15/111_NE | Single         |
| 22645490                   | 24_SMA-50-2-15/111_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         |
| Suitable cables | MULTIFLEX_86        |
|                 | SR_86_TP_M17        |

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

| Suitable tools |                    |                      |
|----------------|--------------------|----------------------|
| Item number    | Item description   | Type of tool         |
| 22544715       | 74_Z-0-0-68        | Knives / Blades      |
| 23024588       | 74_Z-0-0-442       | Soldering tool       |
| 23021264       | 74_Z-0-0-368       | Locator              |
| 22643028       | 74_Z-0-0-164       | Trimming tool        |
| 22643029       | 74_Z-0-0-157       | Cable stripping tool |
| 23019268       | 74_Z-0-0-364/---_E | Support              |
| 23019269       | 74_Z-0-0-365       | Support              |

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