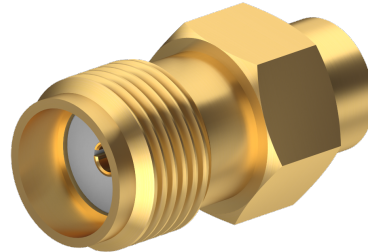


**COAXIAL CONNECTOR, SMA, 50 Ohm, Straight cable jack (female)**

21\_SMA-50-3-15/111\_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             |                                   |

| Electrical data     |        |
|---------------------|--------|
| Impedance           | 50 Ω   |
| Interface frequency | 18 GHz |

| Electrical Data (frequency related) |             |      |
|-------------------------------------|-------------|------|
| Frequency range                     | Return loss | VSWR |
| 0 GHz ... 2.5 GHz                   | 40 dB       | 1.02 |
| 2.5 GHz ... 5 GHz                   | 34 dB       | 1.04 |
| 12.4 GHz ... 18 GHz                 | 20 dB       | 1.23 |

| Mechanical data            |           |
|----------------------------|-----------|
| Weight                     | 0.0019 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | soldered  |
| Cable entry outer contact  | soldered  |

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

21\_SMA-50-3-15/111\_N

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

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22544550            | 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  |
| 22645042            | 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 |
| 22544550                   | 21_SMA-50-3-15/111_NE | Single         |
| 22645042                   | 21_SMA-50-3-15/111_NH | Bulk 100 pcs   |

| Suitable cables |                     |
|-----------------|---------------------|
| Cable group     | Y5 - 3 mm / 50 Ohm  |
|                 | Y17 - 3 mm / 50 Ohm |
|                 | Y12 - 3 mm / 50 Ohm |
| Suitable cables | SUCOFORM_141        |
|                 | MULTIFLEX_141       |

| 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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