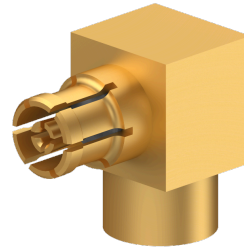


# COAXIAL CONNECTOR, SMPM, 50 Ohm, Right angle cable jack (female)

26\_SMPM-50-2-2/111\_N

## Properties

- Best performance-to-price ratio
- Excellent RF performance up to 65 GHz
- Small size, compact form factor
- Snap-on coupling mechanism with full detent and smooth bore
- Board-to-board solutions with bullets for axial and radial float



| Product configuration |        |              |
|-----------------------|--------|--------------|
| Interface type        | Gender | Standard     |
| SMPM                  | jack   | MIL-STD-348B |

| Interface and material data |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| Piece parts                 | Material                       | Plating         |
| Centre contact              | Copper Beryllium Alloy         | SUCOPRO Plating |
| Outer conductor             | Copper Beryllium Alloy         | SUCOPRO Plating |
| Body                        | Copper Beryllium Alloy         | SUCOPRO Plating |
| Other body part             | Brass                          | SUCOPRO Plating |
| Insulator                   | PTFE (Polytetrafluoroethylene) |                 |

| Electrical data     |  |             |
|---------------------|--|-------------|
| Impedance           |  | 50 $\Omega$ |
| Interface frequency |  | 65 GHz      |

| Electrical Data (frequency related) |             |      |
|-------------------------------------|-------------|------|
| Frequency range                     | Return loss | VSWR |
| 0 GHz ... 6 GHz                     | 26 dB       | 1.11 |
| 6 GHz ... 12 GHz                    | 20 dB       | 1.22 |
| 12 GHz ... 18 GHz                   | 17 dB       | 1.33 |
| 18 GHz ... 30 GHz                   | 15 dB       | 1.43 |

| Mechanical data            |  |          |
|----------------------------|--|----------|
| Weight                     |  | 0.34 g   |
| Mating cycles              |  | 500      |
| Cable entry centre contact |  | soldered |
| Cable entry outer contact  |  | soldered |

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| Engagement / Disengagement force |  |             |               |               |
|----------------------------------|--|-------------|---------------|---------------|
|                                  | Engagement                                 | Engagement  | Disengagement | Disengagement |
| Interface class                  | Full detent                                | Smooth bore | Full detent   | Smooth bore   |
| Interface force typical          | 20 N                                       | 11 N        | 29 N          | 6.7 N         |
| Interface class                  | The force is determined by the counterpart |             |               |               |
| Interface force typical          |  |             |               |               |

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

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 85242600            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c<br>6c             |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |
| 85274832            | 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 |
| 85242600                   | 26_SMPM-50-2-2/111_NE | Single         |
| 85274832                   | 26_SMPM-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_CU_TP_M17     |
|                 | MULTIFLEX_86        |
|                 | MULTIFLEX_86_HE     |

| Additional Information |  |
|------------------------|--|
| Remarks                | The values provided are typical and may vary depending on factors such as the mating connector, cable type, and assembly condition.<br>Mating force and mating cycles are determined by the mating connector (full detent or smooth bore).<br>Mating cycles:<br>full detent: 100<br>smooth bore: 500 |
| Only as assembly       | No   |

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