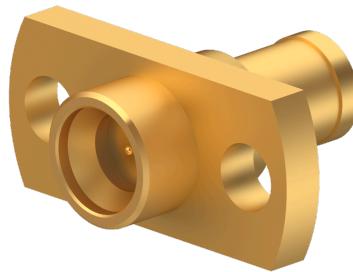


COAXIAL CONNECTOR, SMPM, 50 Ohm, Straight panel cable plug (male), flange mount, full detent

15_SMPM-50-2-F1/111_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 | plug | MIL-STD-348B |

Interface and material data

| | | |
|-----------------|--------------------------------|-----------------|
| Piece parts | Material | Plating |
| Centre contact | Copper Beryllium Alloy | SUCOPRO Plating |
| Outer conductor | Brass | SUCOPRO Plating |
| Insulator | PTFE (Polytetrafluoroethylene) | |

Electrical data

| | |
|---------------------|--------|
| Impedance | 50 Ω |
| Interface frequency | 65 GHz |

Mechanical data

| | |
|----------------------------|----------|
| Weight | 0.7 g |
| Mating cycles | 100 |
| Cable entry centre contact | plugged |
| Cable entry outer contact | soldered |

Engagement / Disengagement force

| | Engagement | Disengagement |
|-------------------------|-------------|---------------|
| Interface class | Full detent | Full detent |
| Interface force typical | 20 N | 29 N |

Environmental data

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

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Material compliance

| Item number | Directive / Regulation | Rating | Exemptions / Details |
|-------------|-----------------------------------|---------------------------------|----------------------|
| 85257168 | 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 |
|-------------|------------------------|----------------|
| 85257168 | 15_SMPM-50-2-F1/111_NE | Single |

Suitable cables

| | |
|-----------------|---------------------|
| Cable group | Y11 - 2 mm / 50 Ohm |
| Suitable cables | 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. |
| Only as assembly | No |

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