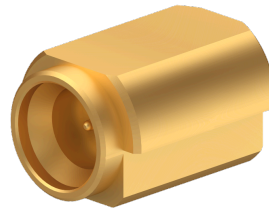


COAXIAL CONNECTOR, SMPM, 50 Ohm, Edge mount PCB plug (male), smooth bore

91_SMPM-50-0-S3/111_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 | Brass | SUCOPRO Plating |
| Outer conductor | Brass | SUCOPRO Plating |
| Body | Brass | SUCOPRO Plating |
| Insulator | PTFE (Polytetrafluoroethylene) | |

Electrical data

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

Mechanical data

| | |
|---------------------|------------|
| Weight | 0.54 g |
| Mating cycles | 500 |
| Board mounting type | edge mount |

Engagement / Disengagement force

| | Engagement | Disengagement |
|-------------------------|-------------|---------------|
| Interface class | Smooth bore | Smooth bore |
| Interface force typical | 11 N | 6.7 N |

Environmental data

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

COAXIAL CONNECTOR, SMPM, 50 Ohm, Edge mount PCB plug (male), smooth bore
91_SMPM-50-0-S3/111_N

| Material compliance | | | |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number | Directive / Regulation | Rating | Exemptions / Details |
| 85275516 | 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 |
| 85275599 | 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 |
| 85275516 | 91_SMPM-50-0-S3/111_NE | Single |
| 85275599 | 91_SMPM-50-0-S3/111_NM | Tape and Reel |

| Additional Information | |
|------------------------|---|
| Remarks | The values provided are typical and may vary depending on factors such as the mating connector, PCB (layout), and assembly condition. |

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