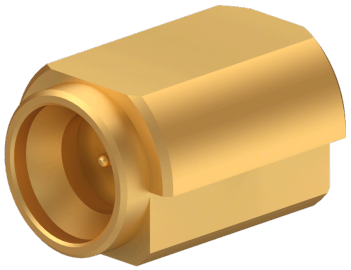
DATA SHEET

COAXIAL CONNECTOR, SMPM, 50 Ohm, Edge mount PCB plug (male), full detent

91_SMPM-50-0-F2/111_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

Electrical Data (frequency related)		
Frequency range	**Return loss**	**VSWR**
0 GHz ... 18 GHz	26 dB	1.11
18 GHz ... 40 GHz	19 dB	1.25
40 GHz ... 65 GHz	14 dB	1.50

Mechanical data	
Weight	0.54 g
Mating cycles	100
Board mounting type	edge mount

Engagement / Disengagement force		
	Engagement	**Disengagement**
Interface class	Full detent	Full detent

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Engagement / Disengagement force		
	Engagement	**Disengagement**
Interface force typical	20 N	29 N

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85269943	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c 6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
85246053	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
85269943	91_SMPM-50-0-F2/111_NE	Single
85246053	91_SMPM-50-0-F2/111_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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