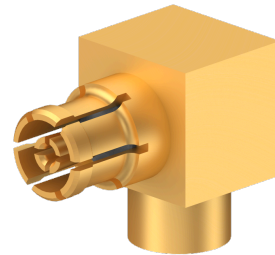


# COAXIAL CONNECTOR, SMPM, 50 Ohm, Right angle cable jack (female)

26\_SMPM-50-1-2/111\_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	
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		0.3 g
Mating cycles		500
Cable entry centre contact		soldered
Cable entry outer contact		soldered

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<b>Engagement / Disengagement force</b>				
	<b>Engagement</b>	<b>Engagement</b>	<b>Disengagement</b>	<b>Disengagement</b>
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				

<b>Environmental data</b>	
Operation temperature	-65 °C ... 165 °C

<b>Material compliance</b>			
Item number	Directive / Regulation	Rating	Exemptions / Details
85263148	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
85275858	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

<b>Ordering Information Table</b>		
Item number	Item description	Packaging type
85263148	26_SMPM-50-1-2/111_NE	Single
85275858	26_SMPM-50-1-2/111_NH	Bulk 100 pcs

<b>Suitable cables</b>	
Cable group	Y8 - 1 mm / 50 Ohm
	Y2 - 1 mm / 50 Ohm
	Y15 - 1 mm / 50 Ohm
Suitable cables	SUCOFORM_47_CU
	SR_47_LA_TP-01
	SR_47_CU_TP

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

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