

COAXIAL CONNECTOR, SMPM, 50 Ohm, Straight cable jack (female)

21_SMPM-50-1-1/111_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		
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	18 dB	1.29		
40 GHz ... 65 GHz	14 dB	1.50		
Mechanical data				
Weight	0.25 g			
Mating cycles	500			
Cable entry centre contact	plugged			
Cable entry outer contact	soldered			
Engagement / Disengagement force				
	Engagement	Engagement	Disengagement	Disengagement
Interface class	Full detent	Smooth bore	Full detent	Smooth bore

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Engagement / Disengagement force				
	Engagement	Engagement	Disengagement	Disengagement
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
85224724	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
85274825	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
85224724	21_SMPM-50-1-1/111_NE	Single
85274825	21_SMPM-50-1-1/111_NH	Bulk 100 pcs

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

Additional Information	
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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DOCUMENT PIM-P61172 / Date of publication: 05.03.2026 / uncontrolled copy