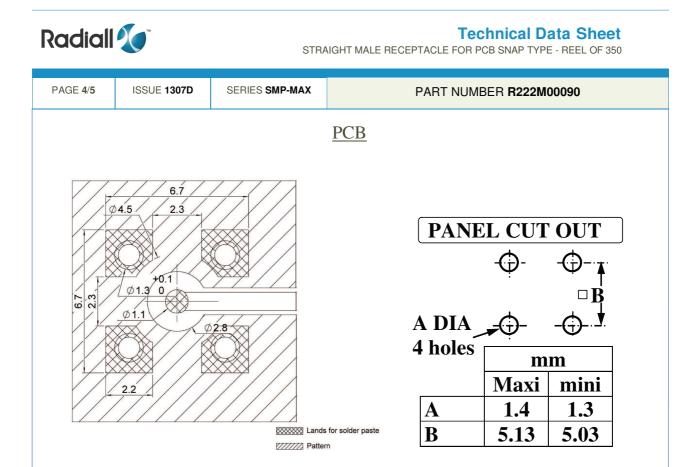
Radiall	<b>M</b>	ST	<b>Technical Data Sheet</b> STRAIGHT MALE RECEPTACLE FOR PCB SNAP TYPE - REEL OF 350			
PAGE 1/5	ISSUE 1307	7D SERIES SMP-MAX	PART NUMBER <b>R222M00090</b>			
	<u>4x □ 1.2</u> <u>4x □ 0.8</u>					
All dime		A 2 0.1 cale: 1:1	f. plane Cap for reel package			
COMP	ONENTS	MATERIAL	S PLATING (μm)			
Body Center con Outer com Insulator Gasket Others pa	ntact I tact I	BRASS BRASS PTFE/LCP/PEEK PTFE/LCP/PEEK	NPGR NPGR -			

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Normalization   0-6   GHz     SWR   1.04*   +   0.0200   x F(GHz) Maxi     issertion loss   0.05*   \/F(GHz) dB Maxi     F leakage   - (   NA   - F(GHz)) dB Maxi     oltage rating   335   Veff Maxi     ielectric withstanding voltage   1000   Veff Maxi     issulation resistance   5000   MΩ mini     MECHANICAL CHARACTERISTICS   SPECIFICATION
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$
350 Contact us Contact us   ELECTRICAL CHARACTERISTICS   mpedance 50 Ω   Trequency 0-6 GHz   /SWR 1.04* + 0.0200   XSWR 1.04* + 0.0200   XSWR 0.05* √F(GHz) Maxi   nsertion loss 0.05* √F(GHz) dB Maxi   Yoltage rating 335 Veff Maxi   Objectric withstanding voltage 1000 Veff mini   Stopp 1 5000 MΩ mini Operating temperature   MECHANICAL CHARACTERISTICS MA   Center contact retention 7 N mini   Axial force – Mating End 7 N mini   Axial force – Opposite end 7 N mini
ELECTRICAL CHARACTERISTICS     mpedance   50 $\Omega$ Frequency   0-6   GHz     /SWR   1.04*   +   0.0200     XSWR   1.04*   +   0.0200     XSWR   0.05* $\sqrt{F}(GHz)$ Maxi     nsertion loss   0.05* $\sqrt{F}(GHz)$ dB Maxi     Xoltage rating   335   Veff Maxi     Jolelectric withstanding voltage   1000   Veff mini     Dielectric withstanding voltage   1000   Veff mini     nsulation resistance   5000   MQ mini     Operating temperature -55/+165     VECHANICAL CHARACTERISTICS     SPECIFICATION     Center contact retention     Axial force – Mating End   7   N mini     Axial force – Opposite end   7   N mini
MECHANICAL CHARACTERISTICS     Center contact retention   SPECIFICATION     Axial force – Mating End   7   N mini     Axial force – Opposite end   7   N mini
Torauo NA N cm mini
Recommended torque
Mating Panel nut NA NA N.cm   Mating life 100 Cycles mini
Weight 1.4200 g   Others: *Coaxial Transmission Line Only   Power handling(typical)   >300W@2.7GHz at 25°C; >200W@2.7GHz at 85°C

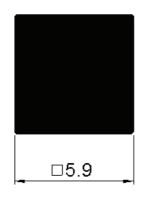
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Radiall	TM TM	STRAIGHT	<b>Technical Data Sheet</b> STRAIGHT MALE RECEPTACLE FOR PCB SNAP TYPE - REEL OF 350						
PAGE <b>3/5</b>	ISSUE 1307D	SERIES SMP-MAX	I	PART NUM	BER <b>R222M00090</b>				
		SOLDER PF	ROCED	URE					
We recor	nmend a low e a thicknes	residue flux.	•	2	een printing application. Perify that the edges of the				
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type. A video camera is recommended for positioning of the component. Adhesive agents must not be used on the receptacle.									
	cess of solde al profile to u		with conv	vection o	ven .Below please find,				
4. The cleaning of printed circuit boards is not obliged.									
Verification	of solder joi	nts and position of th	e compor	ient by vi	sual inspection.				
TEMPERATURE PROFILE									
	Temperature R Area	Preheat Area	Reflow Area	Forced Cooling	Area →				
	250								
				Max peak temperature: 260°C					
	0 0 0 0			$\mathbf{X}$					
	150		·						
	ی ۱00		·+						
	50								
	30								
	0		180	240	300				
Time (seconds)									
	Para	meter	Value	Unit					
		perature rising Area	1 - 4	°C/sec					
		Peak Temperature dwell time @260°C	260	°C sec					
		dwell time @235℃	20	sec					
		dwell time @235°C	60	sec					
		perature drop in cooling Area dwell time above 100 ℃	-1 to - 4 420	°C/sec sec					
	wiax (		TLU	500					
					or used for manufacturing purposes without prior written ne right to make any changes judged necessary.				



NOTE: Due to the potential large variation of performance depending on PCB and line parameters, we recommend the user to process a RF analyze of the connector mounted on his PCB





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