

Product Data Sheet / Produkt Datenblatt

Part Number	5226.83.2213.191	Teilenummer
Description	SMS(f)-bulkhead jack	Beschreibung
		
Design according to	spezial customer design	Ausführung nach

Electrical characteristics / Elektrische Eigenschaften

		colored value means: under validation			
		Value/Wert	Unit/Einheit		
Impedance (MIL-C-39012B)		50	[Ω]	Impedanz (MIL-C-39012B)	
Operating frequency up to		4	[GHz]	Betriebsfrequenz bis zu	
Return loss (in fully mated condition)				Rückflusdämpfung (in komplett gesteckten Zustand)	
	1 GHz	≥ 31	[dB]		
	2 GHz	≥ 28	[dB]		
	3 GHz	≥ 25	[dB]		
	4 GHz	≥ 23	[dB]		
Insulation resistance		≥ 10	[GΩ]	Isolationswiderstand	
Contact resistance				Kontakt-Widerstand	
	Centre contact	≤ 5	[mΩ]	Innenkontakt	
	Outer contact	≤ 2,5	[mΩ]	Außenkontakt	
Contact current max. (DC)		1,5	[A] DC	Kontakt-Strombelastbarkeit max (DC)	
Operating voltage		≥ 250	[V _{RMS}]	Betriebsspannung	
Proof voltage		750	[V _{RMS}]	Prüfspannung	

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit		
Engagement force		typ. 10	[N]	Steckkraft	
Separating force		min. 5	[N]	Ziehkraft	
Mating cycles		> 250		Steckzyklen	

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Material & plating / Material & Oberfläche

RoHS (2002/95/EC) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Brass	Cu + Ni + 0,8µm Au	Außenkontakt
Centre contact	Copper beryllium	Ni + 1,3µm Au	Innenkontakt
Insulator	PTFE	-	Isolator
Guiding ferrule	Brass	Cu + Ni + 0,2µm Au	Führungshülse
Spring ring	Copper beryllium	Cu + 2-4µm CuZnSn	Federring

Environmental influences / Umwelteinflüsse

Operating temperature range	-55°C up to +125°C	Betriebstemperaturbereich
	Standard	
Climatic sequence:	IEC 60068-2-61	Klimafolge:
1. Dry heat	IEC 60068-2-2-Ba	1. Trockene Hitze
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	2. Feuchte Wärme, zyklisch, 1 Zyklus
3. Cold	IEC 60068-2-1-Aa	3. Kälte
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Dd	4. Feuchte Wärme, zyklisch, 6 Zyklen
Solder profile	N.A.	Lötprofil

Notes / Aufzeichnungen

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Update History

Rev.	Date	Signature	Alteration
			Formblatt-Nr.: Form-TK-013b
			Rev. 04
			Released 17.04.2014