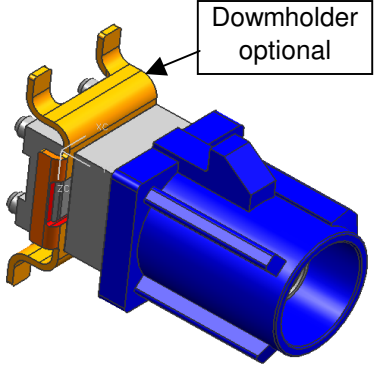


Product data sheet

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Part Number: 3849.SMBA.1X10.00Z Description: PCB Plug SMD Type		Revision: a Date: 28.07.2009 Signature: Ekl Page: 1 of 3	
Design according to:		DIN 72594 (FAKRA)	
Electrical characteristics:		colored value means: still under test target value	
	Value	Unit	Picture
Impedance (MIL-C- 39012B)	50	[Ω]	
Operating frequency up to	...6	[GHz]	
Return loss			
1 GHz	25	[dB]	
2 GHz	24	[dB]	
4 GHz	24	[dB]	
6 GHz	24	[dB]	
Insulation resistance	1	[GΩ]	
Contact resistance			
Centre contact	5,0	[mΩ]	
Outer contact	2,5	[mΩ]	
Contact current max. (DC)	1	[A]	
Operating voltage	max. 60	[V] DC	
Proof voltage	min. 500	[V]eff	
			Remarks
Mechanical characteristics:		Value	Unit
Engagement force	< 25	[N]	
Separating force	< 25	[N]	
Mating cycles	min.25		
Retention force locked systems	min.100	[N]	board FR-4 1mm thickness holes are platet (without Downholder)
axial Retention force solder area	> 300	[N]	

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Material & plating:	RoHS (2002/95/EC) conform	
	Material	Plating
Plastic-Housing Outer contact interface area solder area Centre contact Crimp ferrule Other metal parts Insulator downholder (optiona)	PA 4.6	Ni+tin
	zinc-alloy	Ni+sel.tin
		Ni +4-8µmSn
		Ni +4-8µmSn
		0.8µm Au over Ni
	brass	
	-	
	SPS	
	steel	Sn

Environmental influences:		Remarks
Operating temperature range	-40°C up to +105°C Standard	
Climatic sequence:	IEC 60068-2-61	
1. Dry heat	IEC 60068-2-2-Ba	
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	
3. Cold	IEC 60068-2-1-Aa	
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Db	
5. Soldering heat	Jedec 020 D	

Notes:

Update historie			
Rev.	Date	Alteration	Signature
a	05.09.2009	update	Ekl/M.K

Formblatt-Nr.: Form-TK-012b	
Rev.	01
Released	17. Aug 07

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SMD solderability

Recommended reflow soldering profile.

Max. temperature 260°C (lead free soldering)

