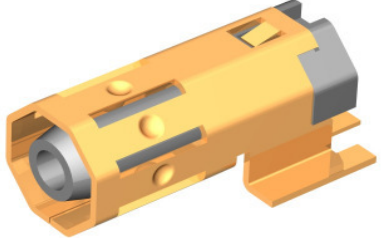


Product data sheet

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Revision: pre-3
 Date: 12.11.2004
 Signature: Zech
 4 of 1 of 5

Part Number: 3724.99.0030.00'			Description: Switch		
ELECTRICAL CHARACTERISTICS		colored value means: still under test target value	Unit		
		value			
Impedance (MIL-C-39012B)		50	[Ohm]		
Counter part:		3725.91.8910.10'			
Operation frequency		3	[GHz]		
		unswitched	switched		
Return loss	1GHz	> 30	> 23		[dB]
	2GHz	> 27	> 18		[dB]
	3GHz	> 25	> 16		[dB]
Insertion loss	1GHz	< 0,10	< 0,10		[dB]
	2GHz	< 0,15	< 0,20	[dB]	
	3GHz	< 0,20	< 0,30	[dB]	
Isolation:	1GHz		> 23	[dB]	
	2GHz		> 17	[dB]	
	3GHz		> 13	[dB]	
Contact resistance	Center contact max. initial	100	100	[mOhm]	
	Outer contact max. initial	25	25	[mOhm]	
Insulation resistance		1000		[Mohm]	
Operation voltage AC/DC		100		[V]	
Proof voltage		150		[V]	
Remarks Measured with adapter 3725.93.8910.10'. Reference-pcb: AGK-3882 after test : max. 200 mOhm after test : max. 50 mOhm 150 V AC - 1 min.					
MECHANICAL CHARACTERISTICS		Value	Unit	Remarks	
Engagement force		max. 12	[N]		
Seperating force		max. 12	[N]		
Maiting cycles		min. 5.000	-		
Contact pressure force (switch)		unswitched min. 0,50	[N]		
		switched typ. 0,50	[N]		

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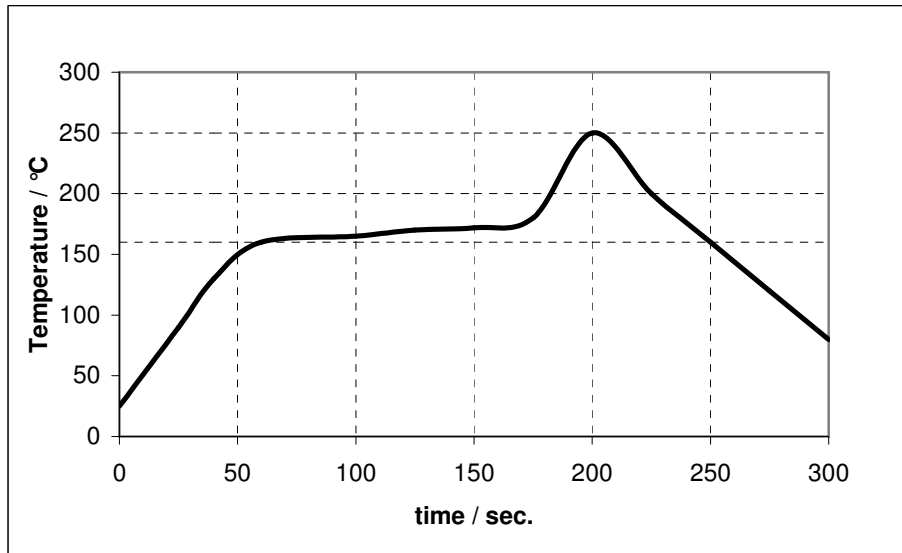
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Part Number: 3724.99.0030.00'	Revision:	pre-3
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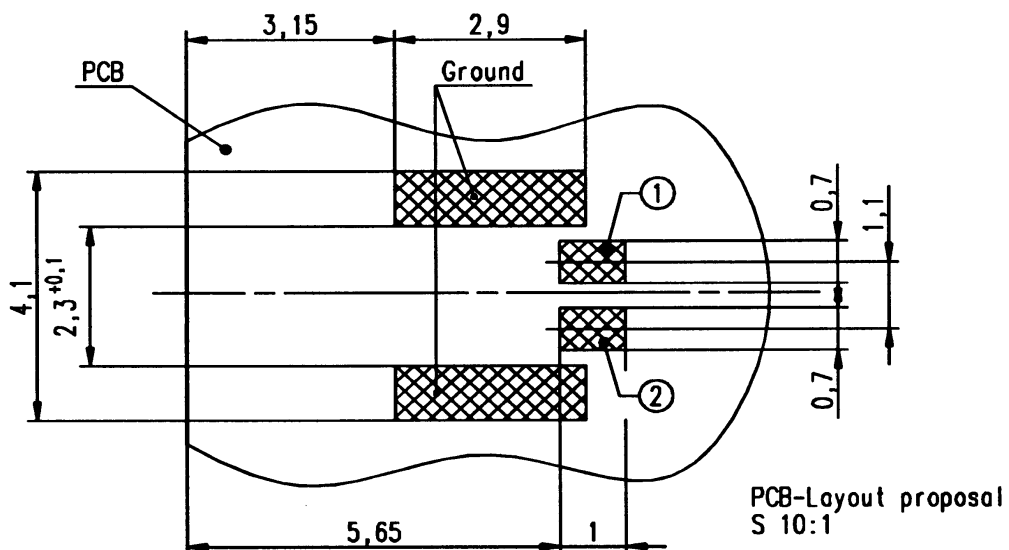
Description: Switch

SMD -solderability

Recommended reflow soldering profile, but no manual hot gas soldering or soldering by using soldering iron is allowed (see SMT assembly instruction M-166)



PCB-Layout proposal



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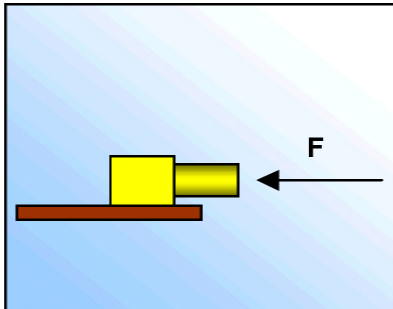
Date: 12.11.2004

Signature: Zech

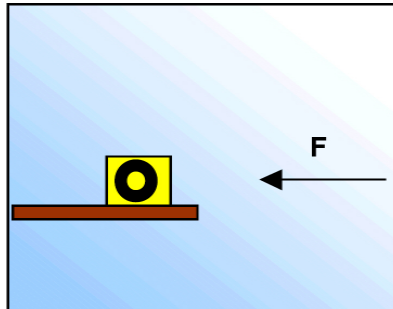
Description: Switch

Page: 4 of 5

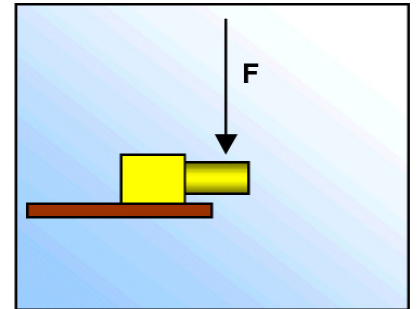
Mechanical requirements - forces



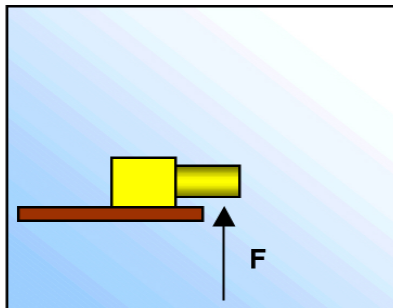
shearing force, axial to mating direction, 1mm from mating plane to soldering area : max. 15 N



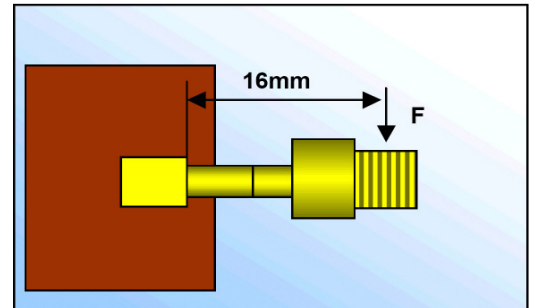
shearing force, rectangular to mating direction, 1mm from mating plane to soldering area : max. 15 N



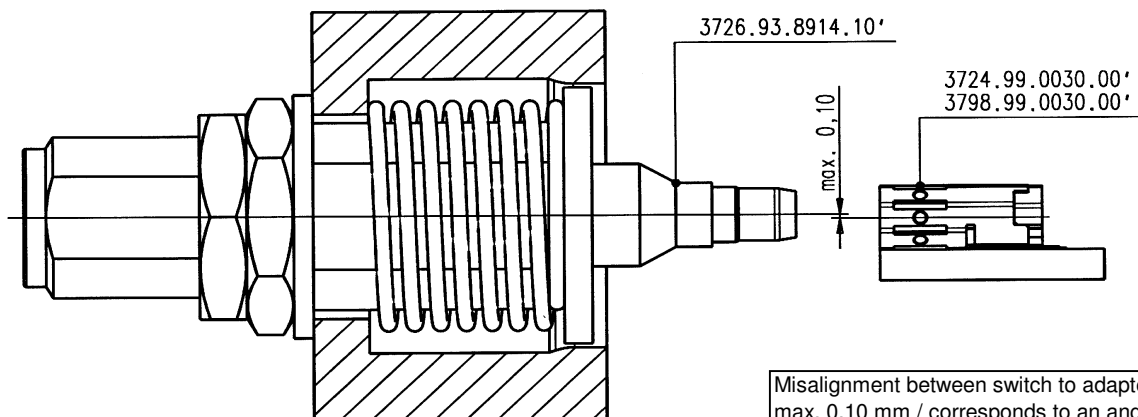
shearing force, downwards to mating direction, 1mm from mating plane to soldering area : max. 15 N



shearing force, upwards to mating interface, 1mm from mating plane to soldering area : max. 10 N



torque applied parallel to PCB : max. 4 Ncm / (picture shows 3725.91.8910.10' - adapter)



Misalignment between switch to adapter : max. 0,10 mm / corresponds to an angle deviation of 2 degrees.

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Description: Switch

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Mechanical requirements - forces

When adapter is mated, please insert in horizontal direction.
Do not insert in an inclined direction.

When the switch is extracted, please pull horizontal.
Do not pull out upward - force (F direction) : Max. 5 N

Please mate to the receptacle which soldered on PCB.

Please pay attention not to insert foreign material (dust).

