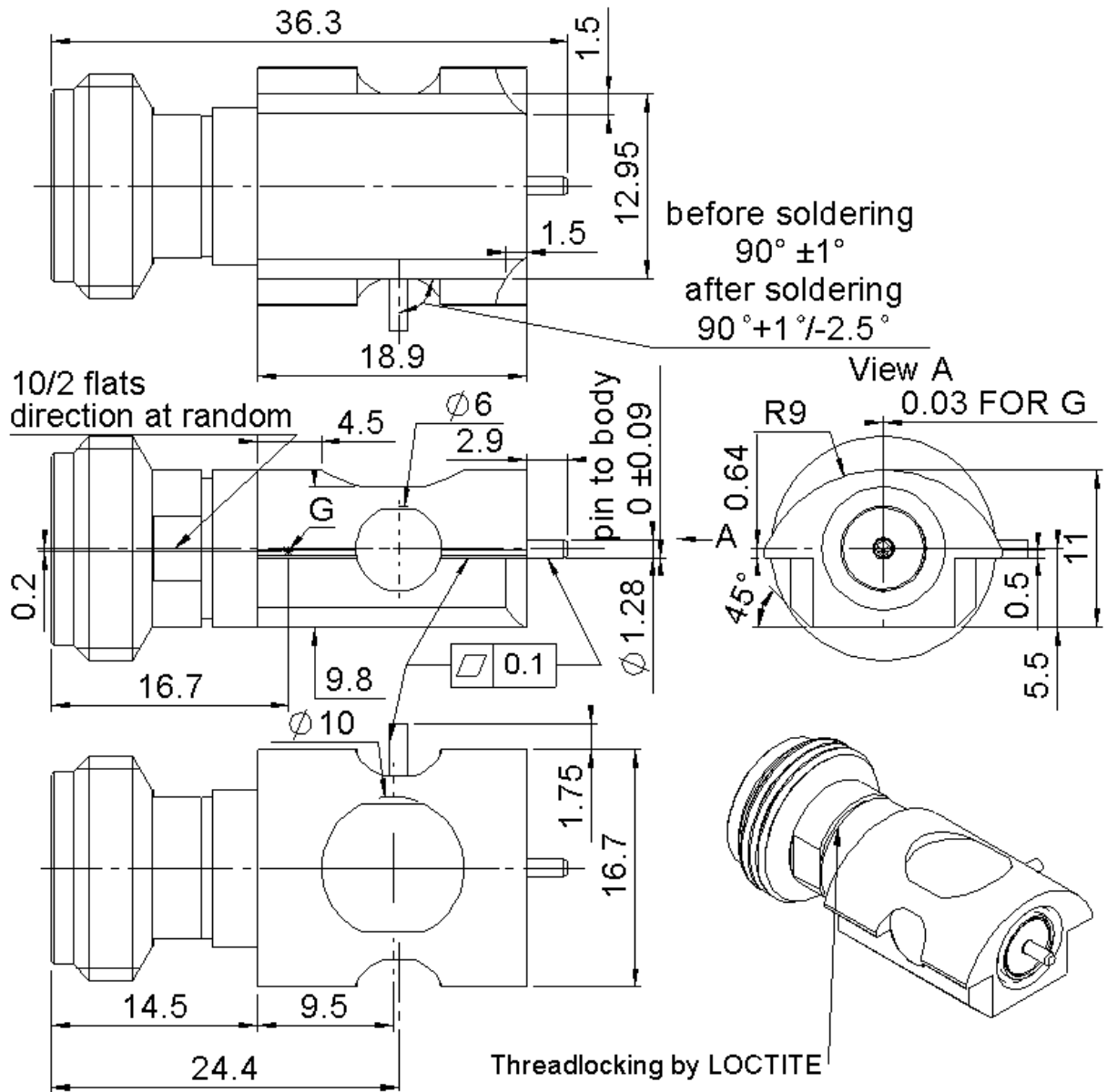


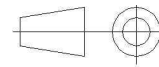
N SWITCH - EDGE CARD SMT LEFT TYPE

R161.428.223

Series : N



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	BRASS	-
CENTER CONTACT	BERYLIUM COPPER	NPGR
OUTER CONTACT	BRASS	BBR 2
INSULATOR	PEEK	
GASKET	-	
OTHERS PARTS	BRASS	NPGR
-	-	-
-	-	-

Issue : 0804 C

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



N SWITCH - EDGE CARD SMT LEFT TYPE

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Series : N

PACKAGING

SPECIFICATION

Standard	Unit	Other
20	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

Impedance	50	Ω
Frequency	DC-3	GHz
VSWR	1.1 + 0,1000	x F(GHz) Maxi
Isolation at DC to 1 GHz	-47	dB Typical
Isolation at 1 to 2 GHz	-43	dB Typical
Isolation at 2 to 3 GHz	-40	dB Typical
Insertion loss at DC to 1 GHz	0.1	dB Maxi
Insertion loss at 1 to 2 GHz	0.15	dB Maxi
Insertion loss at 2 to 3 GHz	0.2	dB Maxi
Insertion loss	0.1	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	NA	- F(GHz)) dB Maxi
Voltage rating	300	Veff Maxi
Dielectric withstanding voltage	500	Veff mini
Insulation resistance	5000	M Ω mini
Power withstanding	100	W at 0.9 GHz
	100	W at 1.8 GHz

Operating temperature	-40/+85	$^{\circ}$ C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction **NA**

Others :

Activation Force = 15N min to 20N max
Disassembly torque of body:250N.cm min

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	NA	N mini
Axial force – Opposite end	NA	N mini
Torque	NA	N.cm mini
Axial force side pin	(1)	
Recommended torque		
Mating	130	N.cm
Panel nut	NA	N.cm
Mating life	100	Cycles mini
Weight	28,1500	g

(1) Do not apply force on the center contact before Mounting the switch on PCB

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N SWITCH - EDGE CARD SMT LEFT TYPE

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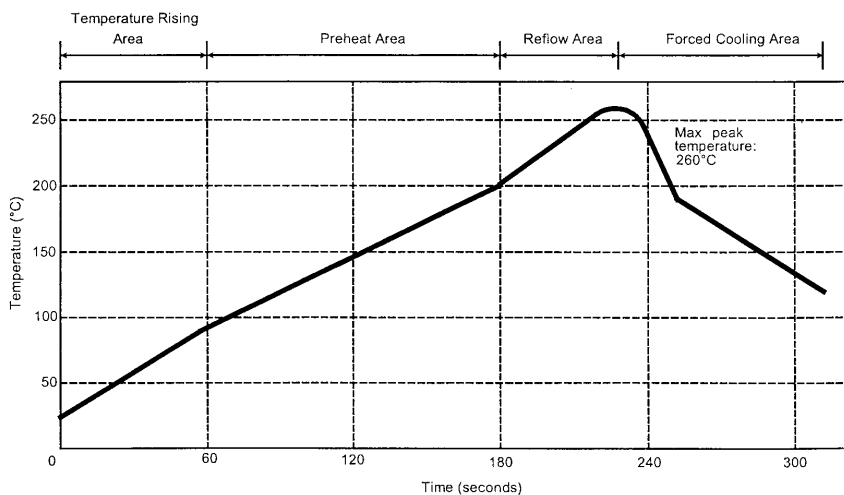
Series : N

SOLDER PROCEDURE

1. Deposit solder paste ‘Sn Ag4 Cu0.5’ on mounting zone by screen printing application. We recommend a low residue flux.
We advise a thickness of 150 microm (5.850 microinch). Verify that the edges of the zone are clean.
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.
3. This process of soldering has been tested with convection oven .Below please find ,the typical profile to use.
4. The cleaning of printed circuit boards is not obliged .
5. Verification of solder joints and position of the component by visual inspection.

NOTE : The receptacle and the plug must not be mated before completion of this procedure

TEMPERATURE PROFILE



Parameter	Value	Unit
Temperature rising Area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling Area	-1 to - 4	°C/sec
Max dwell time above 100°C	420	sec

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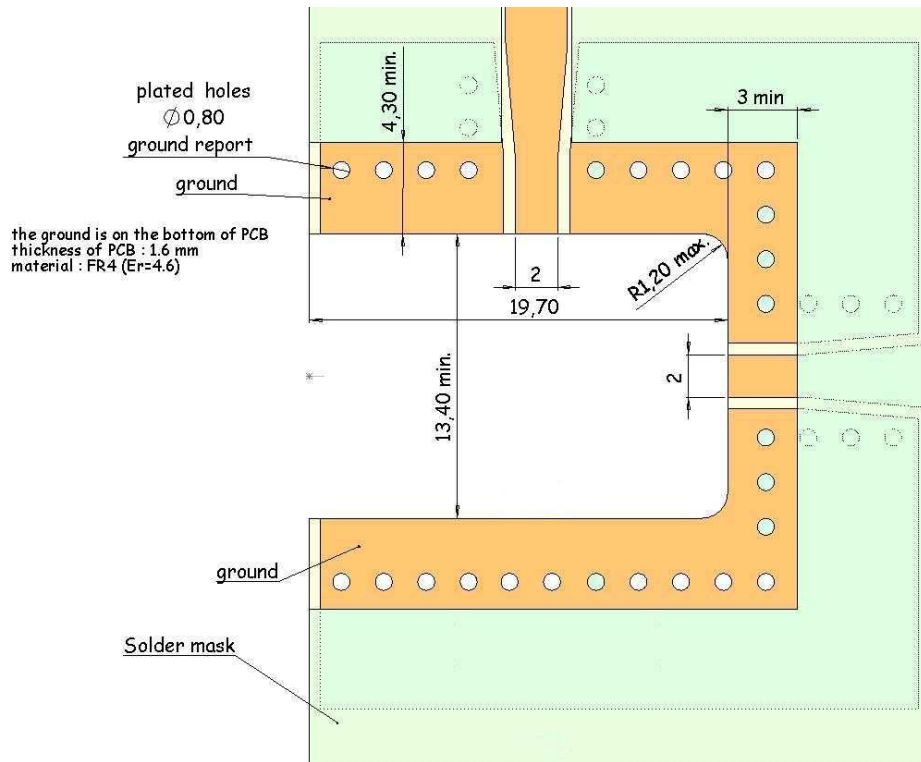


N SWITCH - EDGE CARD SMT LEFT TYPE

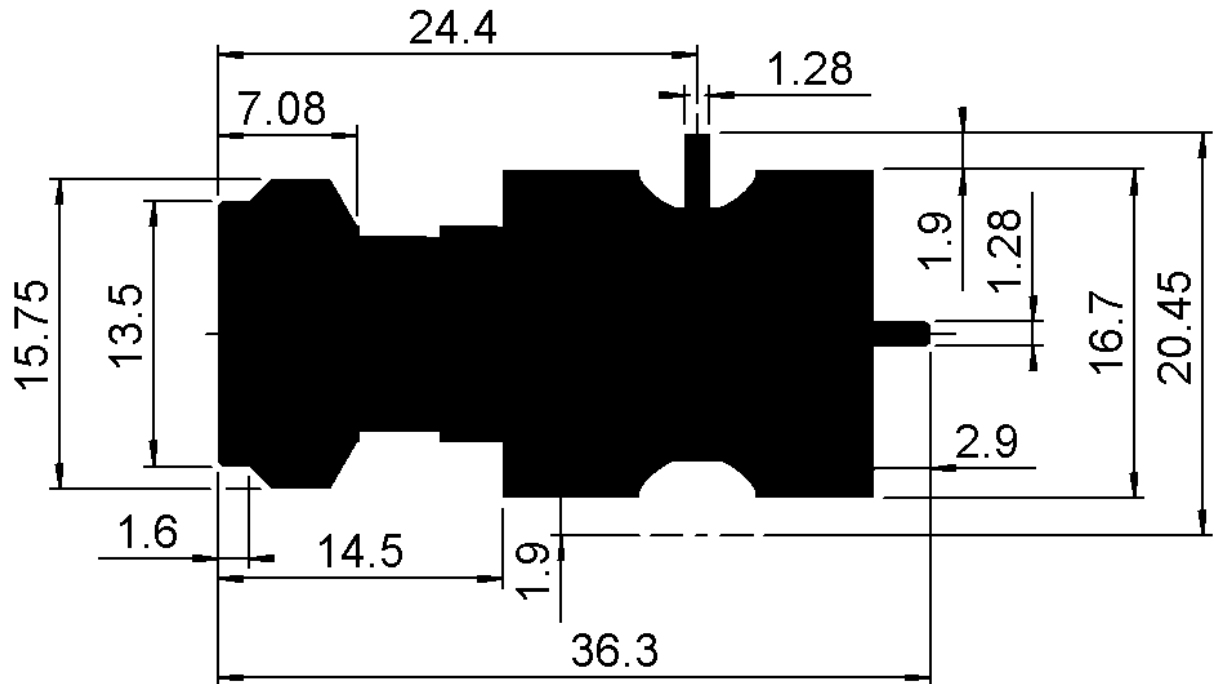
R161.428.223

Series : N

PCB for N switch



Shadow of N switch for video camera



Issue : 0804 C

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