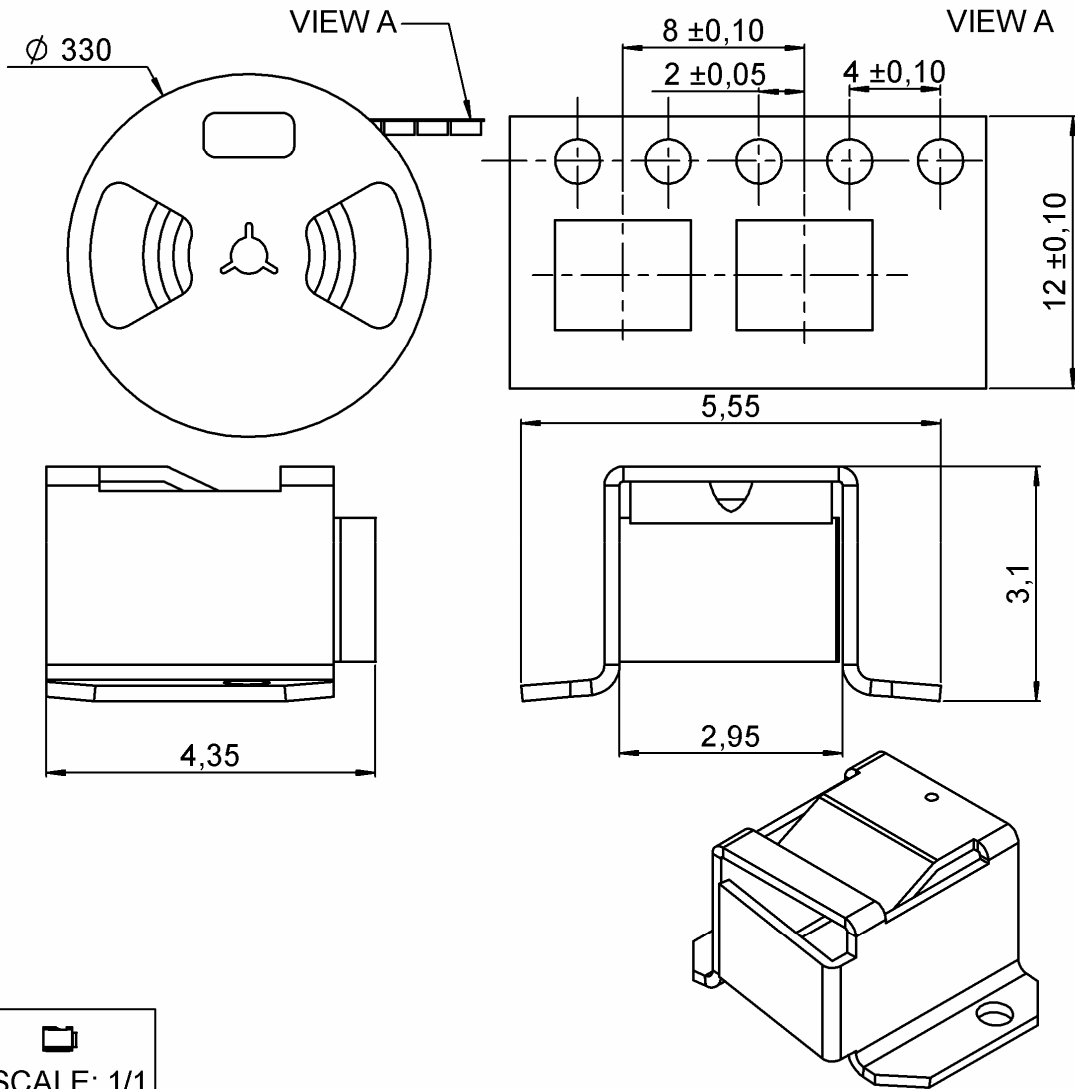


RIGHT ANGLE H3 RECEPTACLE SMT TYPE

R107.303.197

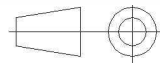
NON-MAGNETIC - REEL 2800

Series : UMP




SCALE: 1/1

All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
BODY	BERYLLIUM COPPER	TIN 5
CENTER CONTACT	-	-
OUTER CONTACT	-	-
INSULATOR	-	-
GASKET	-	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0726 A

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



RIGHT ANGLE H3 RECEPTACLE SMT TYPE

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NON-MAGNETIC - REEL 2800

Series : UMP

PACKAGING

SPECIFICATION

Standard	Unit	Other
2800	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

Impedance	50	Ω
Frequency	0-6	GHz
VSWR	1.05 + 0,0300	x F(GHz) Maxi
Insertion loss	NA	\sqrt{F} (GHz) dB Maxi
RF leakage	NA	- F(GHz)) dB Maxi
Voltage rating	100	Veff Maxi
Dielectric withstanding voltage	350	Veff mini
Insulation resistance	1000	M Ω mini

Operating temperature	-40/+125	$^{\circ}$ C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction

Others :

Magnetique field distorsion
< to 0.5 ppm at 10mm at Bo=1.5 Tesla

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	NA	N mini
Axial force – Opposite end	NA	N mini
Torque	NA	N.cm mini

Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm

Mating life	50	Cycles mini
Weight	0,0100	g

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RIGHT ANGLE H3 RECEPTACLE SMT TYPE

R107.303.197

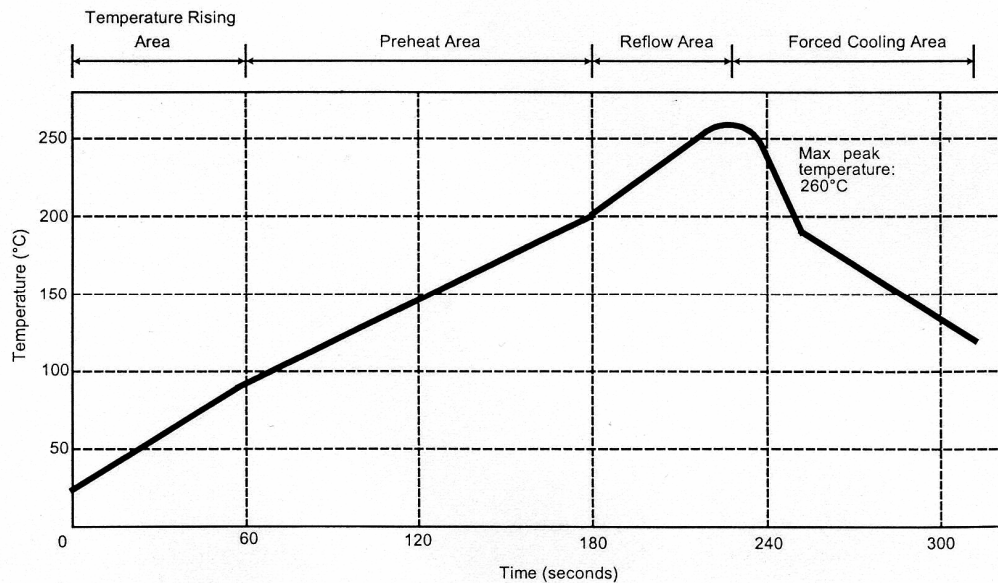
NON-MAGNETIC - REEL 2800

Series : UMP

SOLDER PROCEDURE OF UMP RECEPTACLE IN INDUSTRIAL ENVIRONMENT

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 micromm (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 UMP RECEPTACLE AND THE UMP PLUG MUST NOT BE MATED BEFORE



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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RIGHT ANGLE H3 RECEPTACLE SMT TYPE

R107.303.197

NON-MAGNETIC - REEL 2800

Series : UMP

UMP SERIES INFORMATION

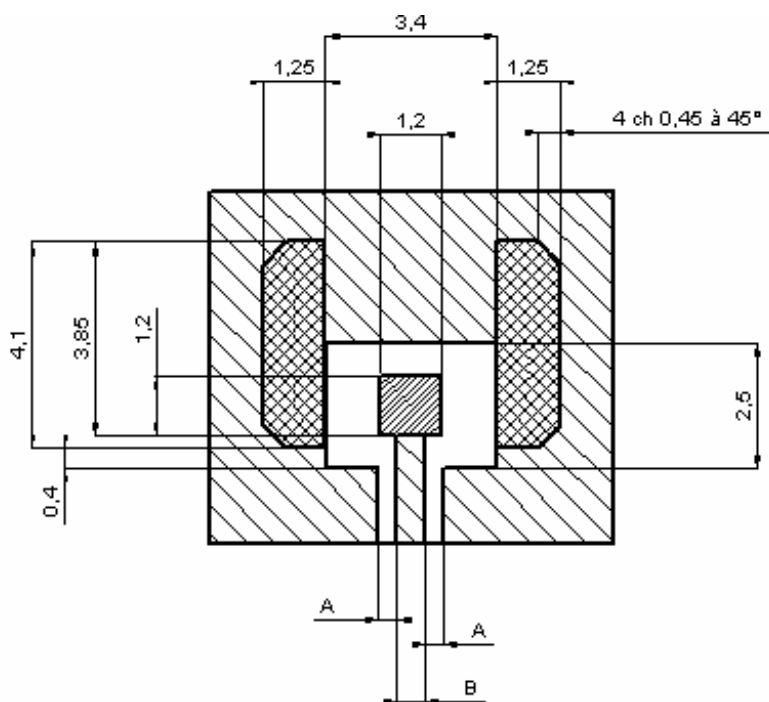
PCB




COPLANAR LINE

Ground and signal are on the same side

Thickness of PCB : 1 mm

The material of PCB is glass-epoxy



-  18 µm Cu Mini + 7 to 9 µm Sn
-  18 µm Cu Mini + 7 to 9 µm Sn
-  Ground + varnish

APPLICATION 75Ω

WITH B = 0,55mm

PCB thickness (mm)	Coplanar ligne A (mm)
0,8	0,57
1,0	0,45
1,2	0,41
1,6	0,37

APPLICATION 50Ω

WITH B = 1,2mm

PCB thickness (mm)	Coplanar ligne A (mm)
0,8	0,183
1,0	0,190
1,2	0,195
1,6	0,20

Issue : 0726 A

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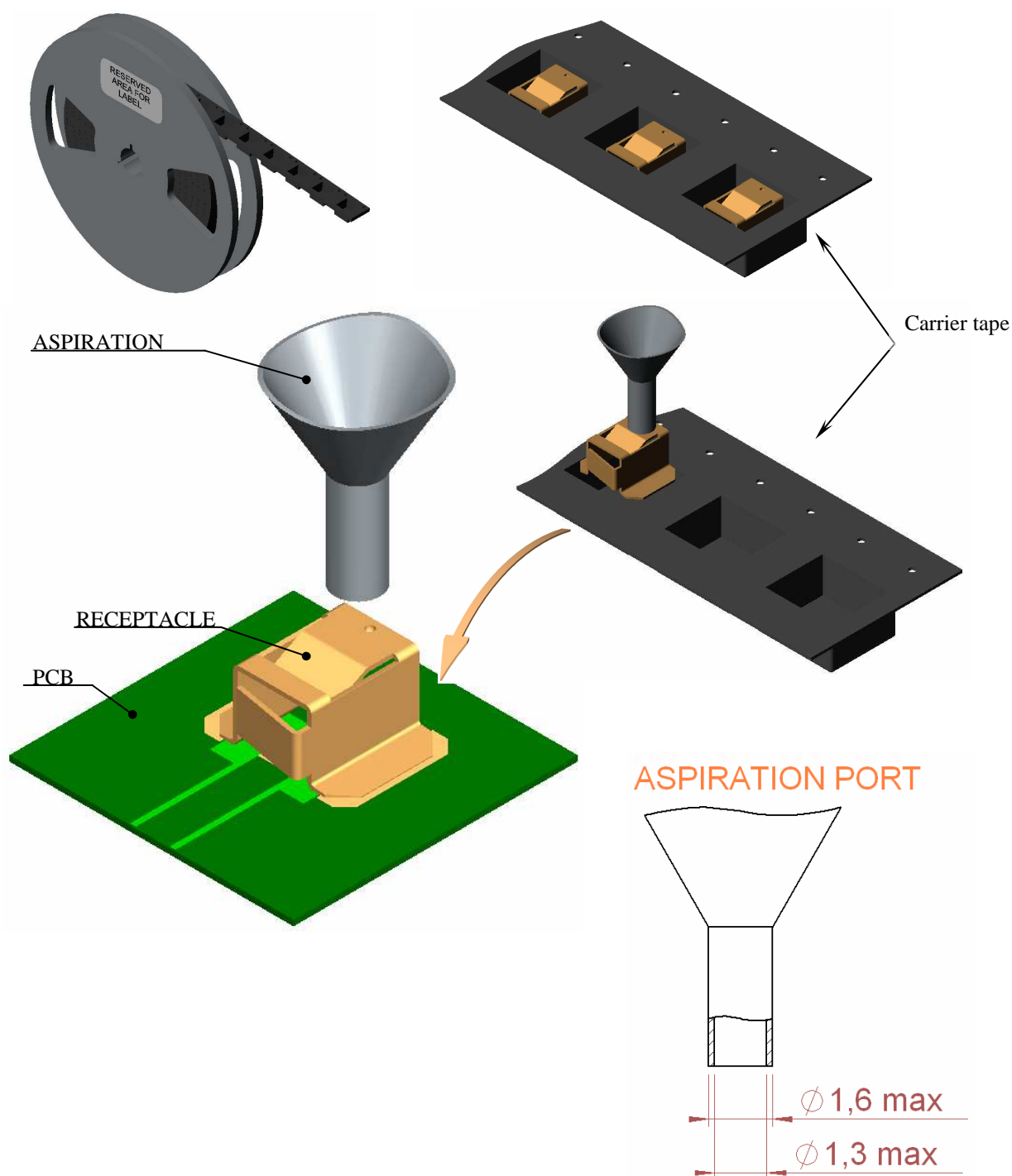
RIGHT ANGLE H3 RECEPTACLE SMT TYPE

R107.303.197

NON-MAGNETIC - REEL 2800

Series : UMP

UMP SERIES INFORMATION



Issue : 0726 A

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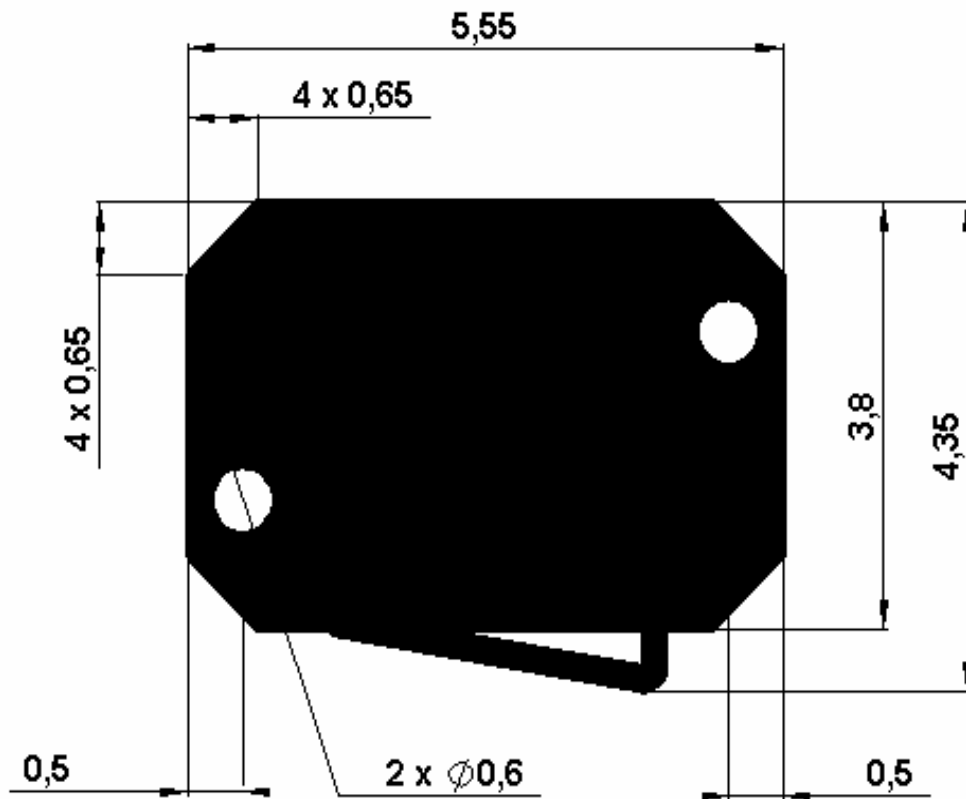


RIGHT ANGLE H3 RECEPTACLE SMT TYPE

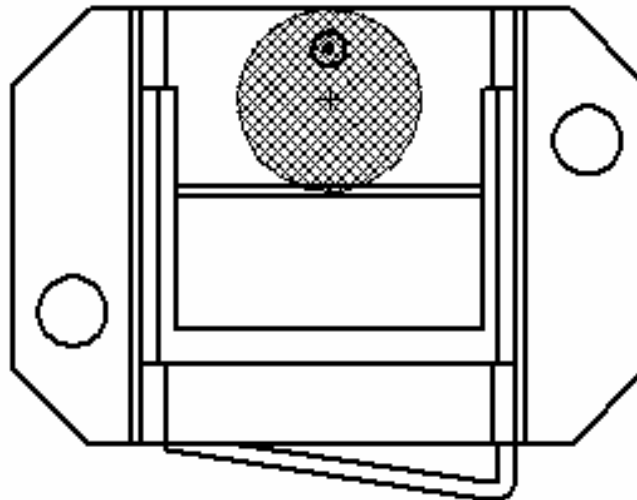
R107.303.197

NON-MAGNETIC - REEL 2800

Series : UMP



SHADOW FOR VIDEO CAMERA



ASPIRATION AREA

Issue : 0726 A

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RADIALL®

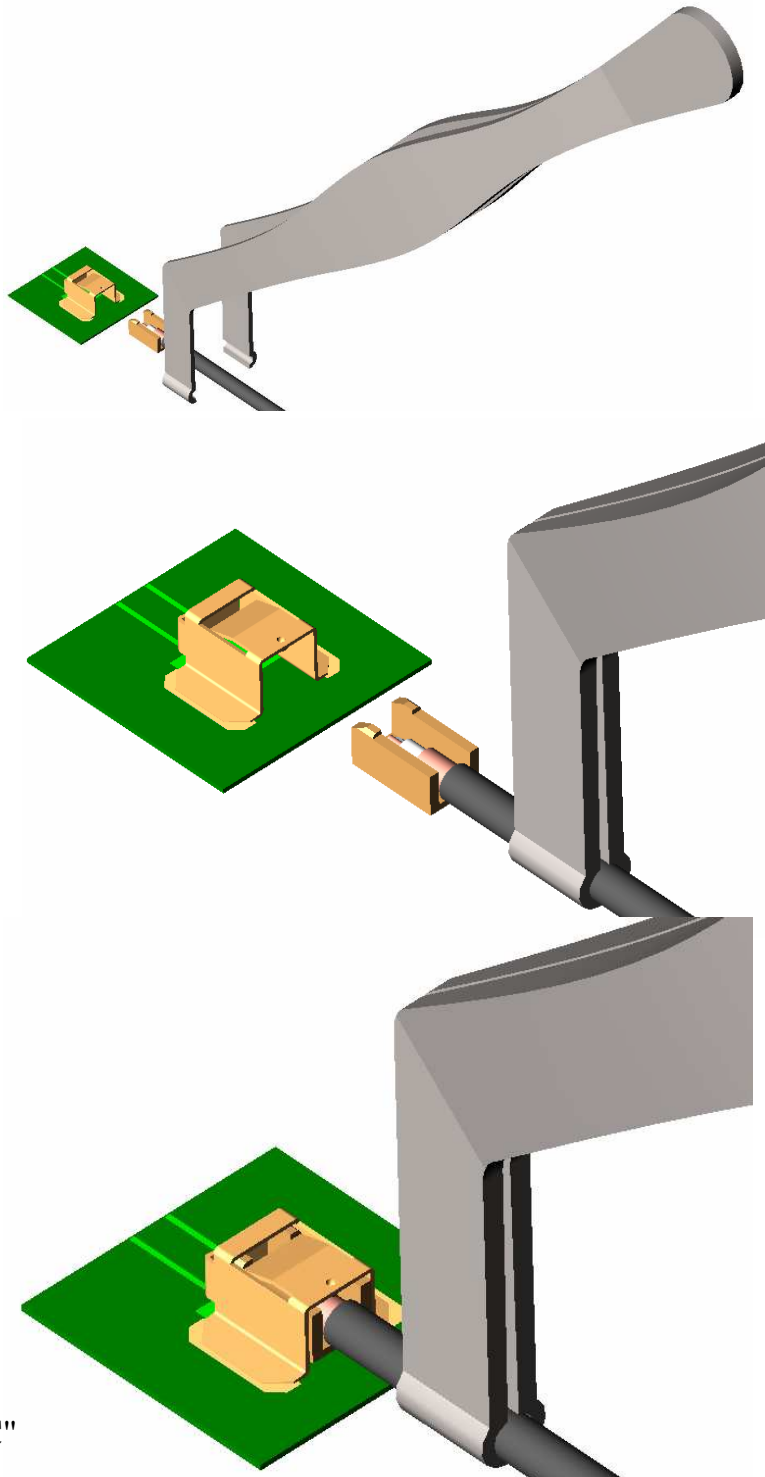
RIGHT ANGLE H3 RECEPTACLE SMT TYPE

R107.303.197

NON-MAGNETIC - REEL 2800

Series : UMP

UMP CONNECTING NOTE



Do not push
Over the " CLIC"

Issue : 0726 A

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**RADIALL**®

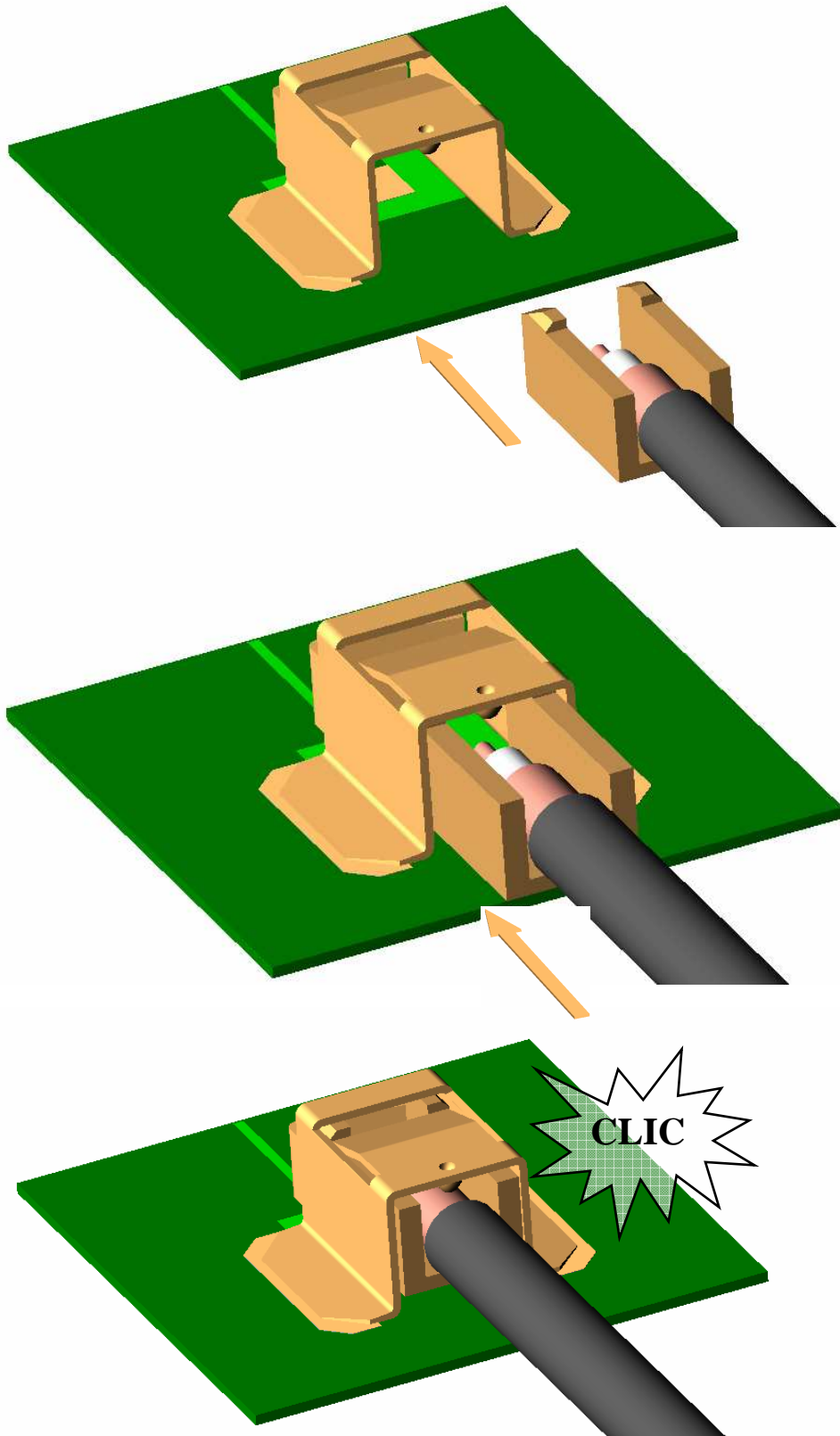
RIGHT ANGLE H3 RECEPTACLE SMT TYPE

R107.303.197

NON-MAGNETIC - REEL 2800

Series : UMP

UMP CONNECTING NOTE



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RADIALL®

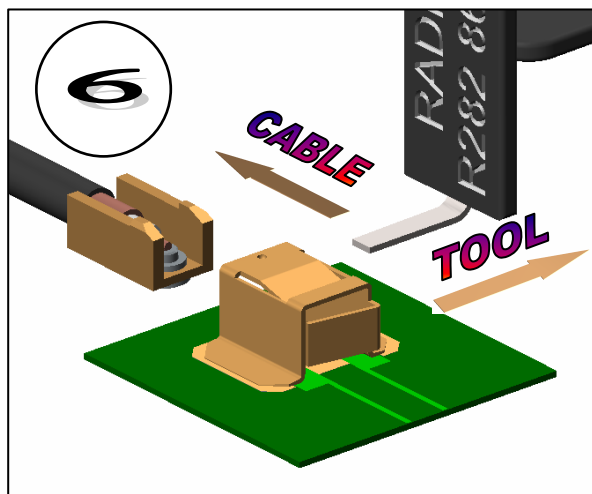
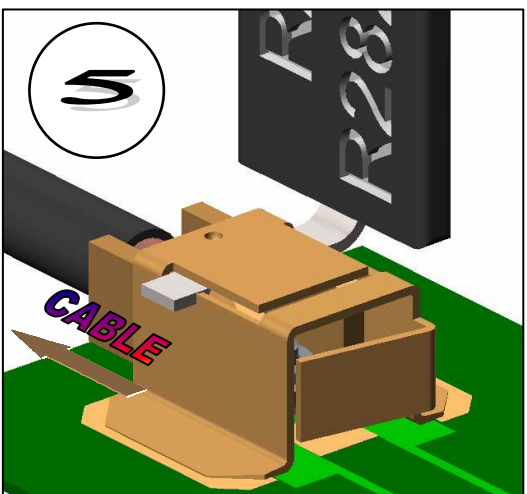
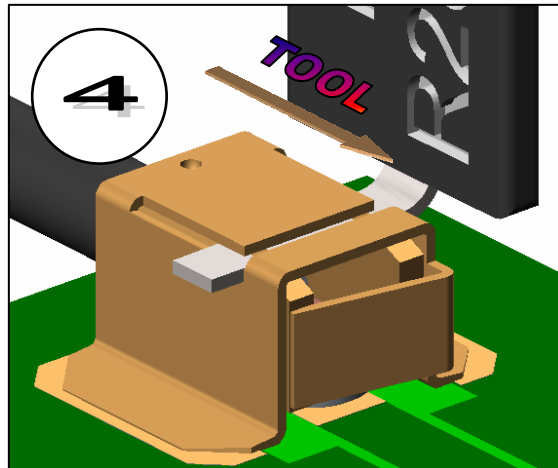
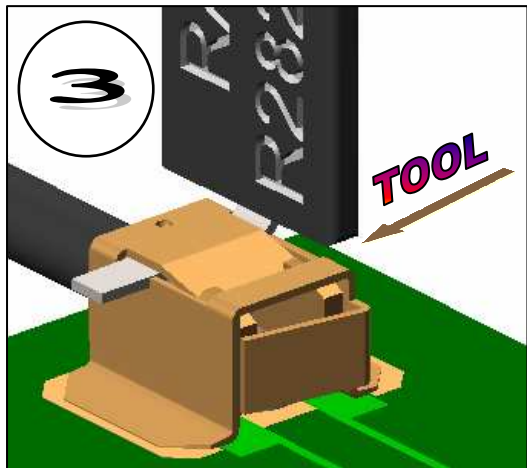
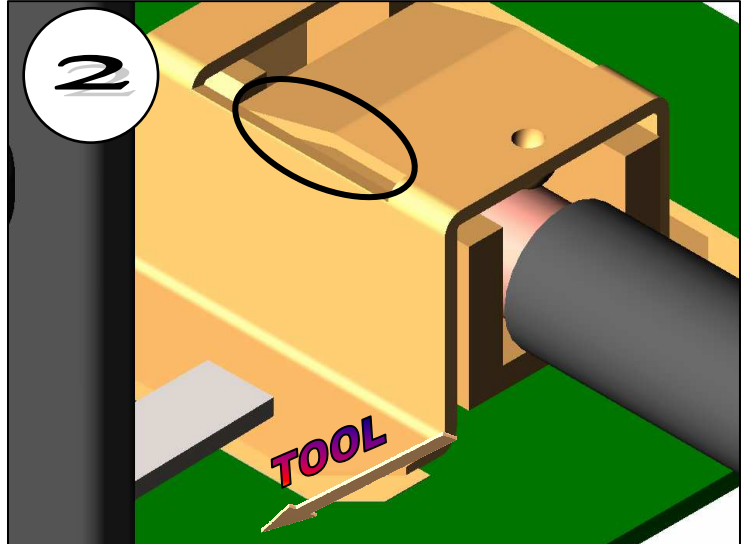
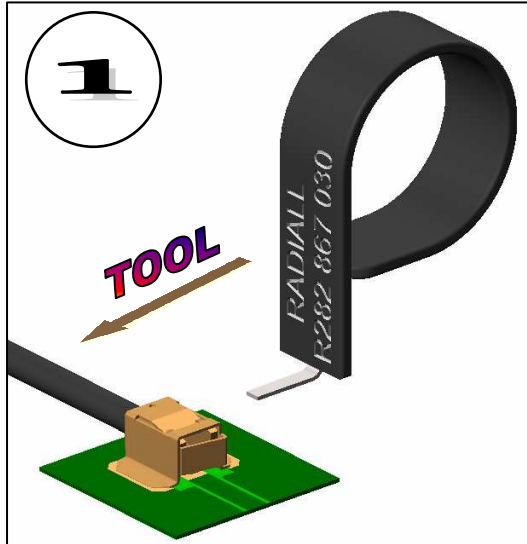
RIGHT ANGLE H3 RECEPTACLE SMT TYPE

R107.303.197

NON-MAGNETIC - REEL 2800

Series : UMP

UMP DISCONNECTING NOTE



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