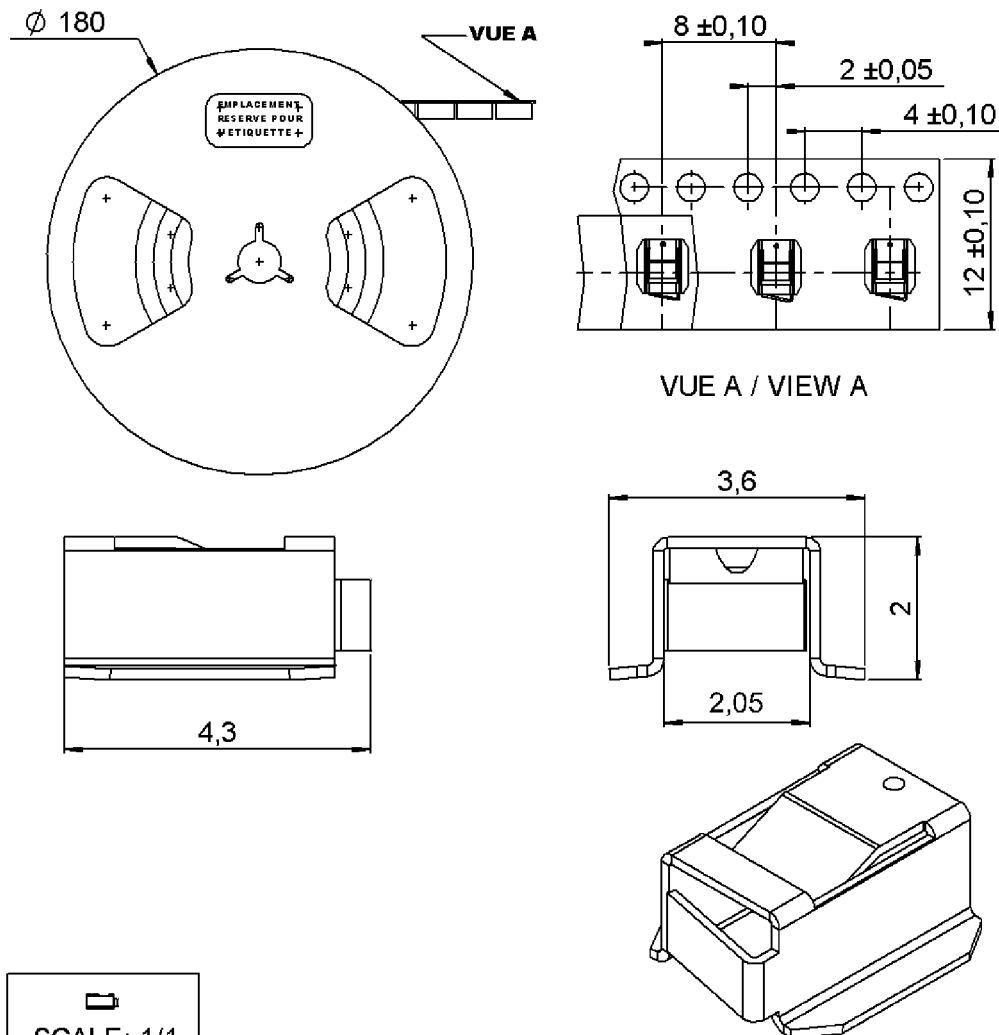


RIGHT ANGLE H2 RECEPTACLE SMT TYPE

R107.003.010

REEL 100

Series : UMP



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATINGS (μm)
BODY	BERYLLIUM COPPER	GOLD 0.2 OVER NICKEL 2
CENTER CONTACT	-	-
OUTER CONTACT	-	-
INSULATOR	-	-
GASKET	-	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0415 A

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



RIGHT ANGLE H2 RECEPTACLE SMT TYPE**R107.003.010****REEL 100**

Series : UMP

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATION**ELECTRICAL CHARACTERISTICS**

Impedance		50 Ω
Frequency		0-6 GHz
VSWR	1.05 +	0.030 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

ENVIRONMENTAL

Operating temperature	-40/+125 ° C
Hermetic seal	NA Atm.cm3/s
Panel leakage	NA

OTHERS CHARACTERISTICS

Assembly instruction

Others :

-

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	100 Cycles mini
Weight	0.035 g

Issue : 0415 A

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



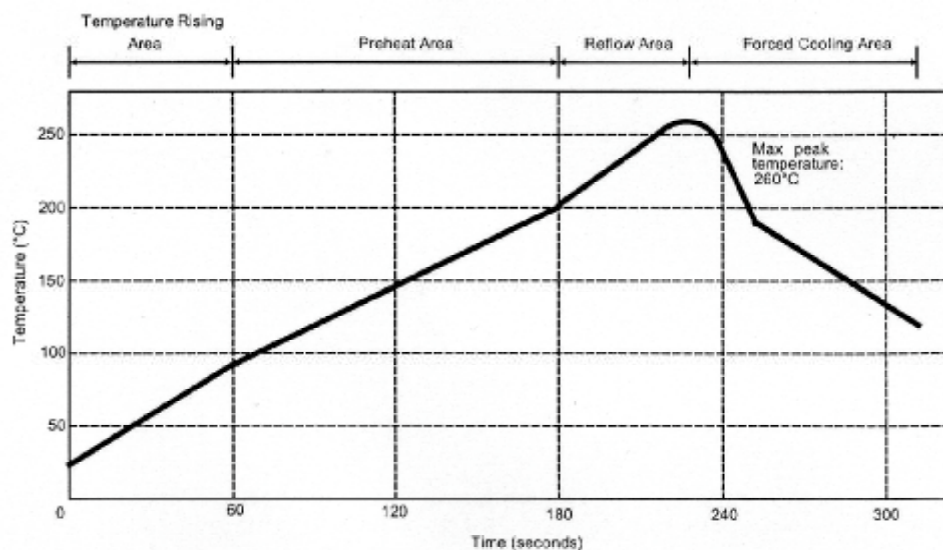
RIGHT ANGLE H2 RECEPTACLE SMT TYPE**REEL 100****R107.003.010**

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 COMPLETION OF THIS PROCEDURE.



Parmeter	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

Issue : 0415 A

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



RIGHT ANGLE H2 RECEPTACLE SMT TYPE**R107.003.010****REEL 100**

Series : UMP

UMP SERIES INFORMATION

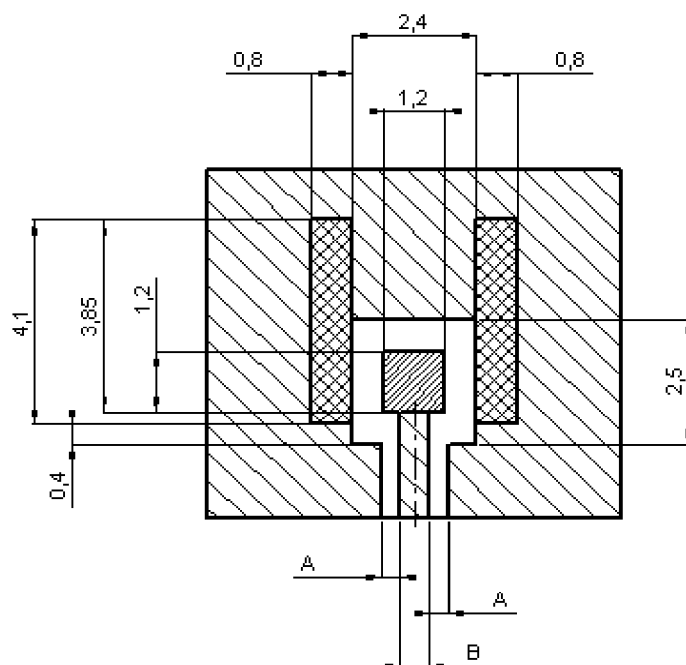
PCB

COPLANAR LINE

Ground and signal are on the same side

The material of PCB is glass is glass-epoxy

Composite.


 Gold over nickel for solder paste

 Gold over nickel contact area free of any surface contaminant

 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 : 0415 A

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



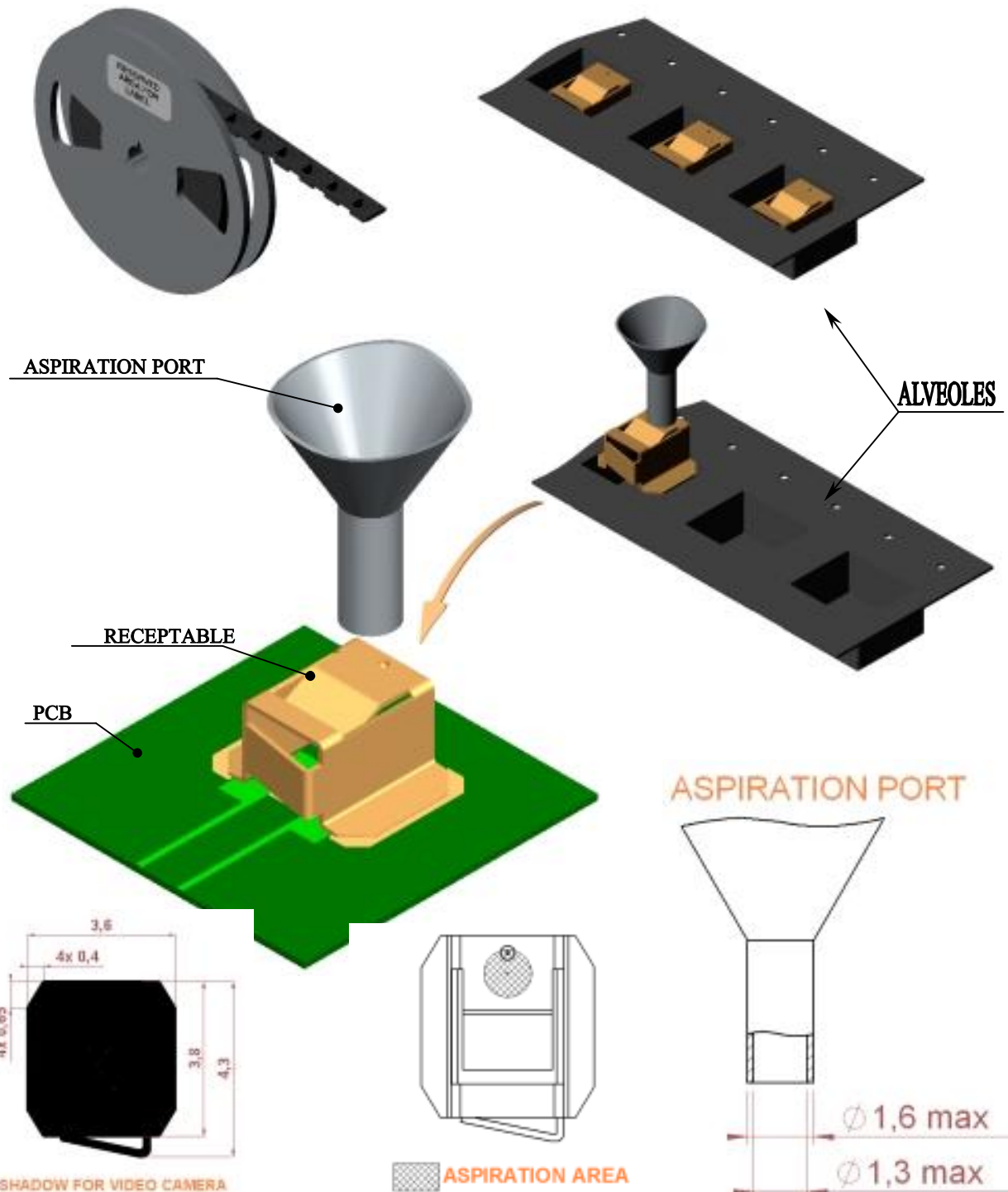
RIGHT ANGLE H2 RECEPTACLE SMT TYPE

R107.003.010

REEL 100

Series : UMP

UMP SERIES INFORMATION



Issue : 0415 A

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



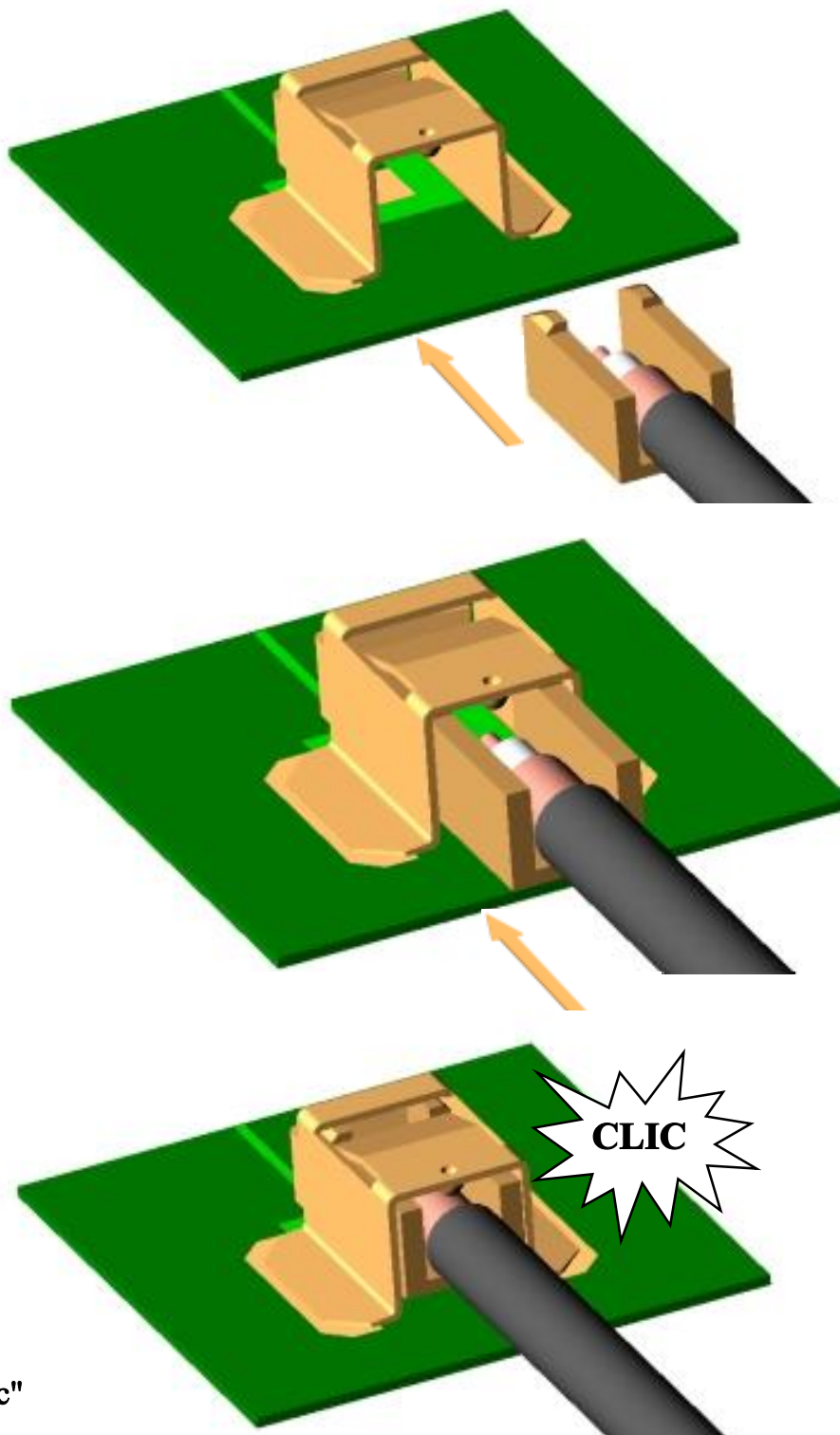
RIGHT ANGLE H2 RECEPTACLE SMT TYPE

R107.003.010

REEL 100

Series : UMP

UMP CONNECTING NOTE



Do not push
over the "clik"

Issue : 0415 A

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

**RADIALL**®

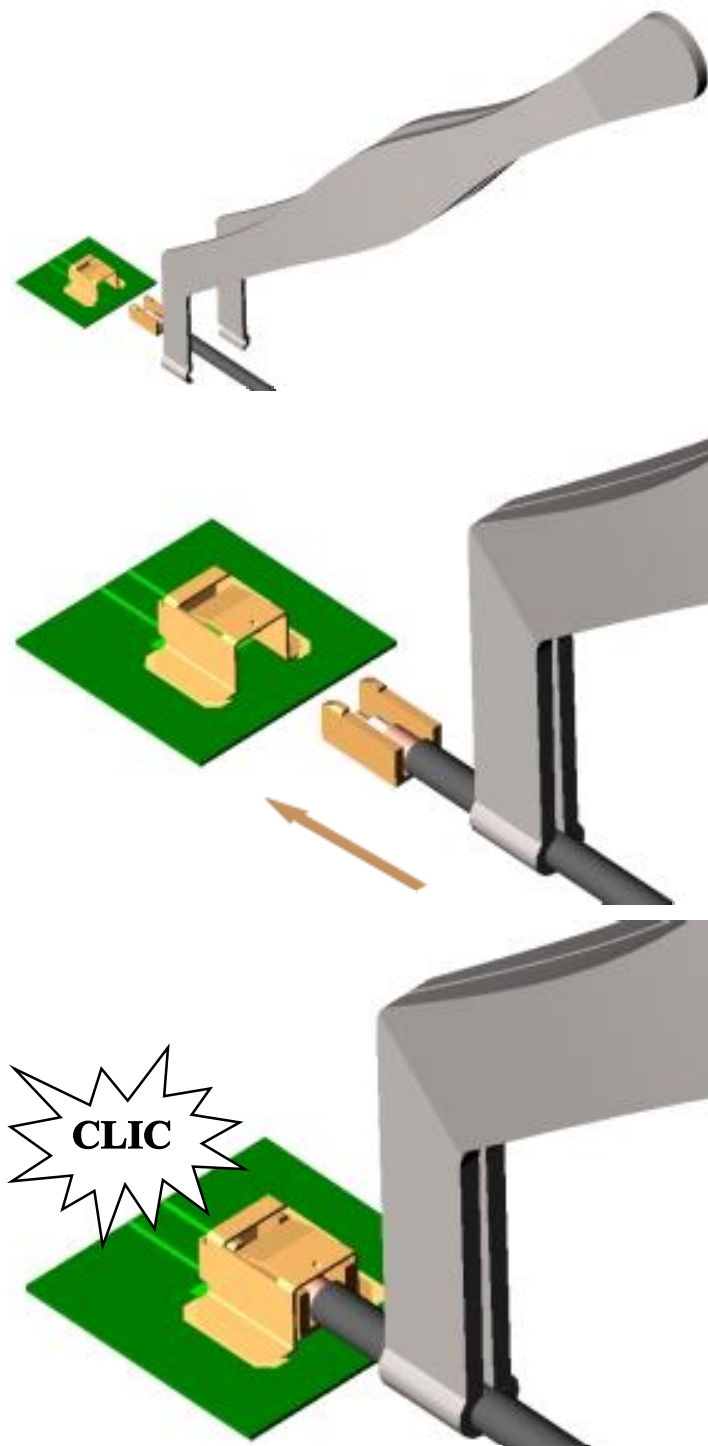
RIGHT ANGLE H2 RECEPTACLE SMT TYPE

R107.003.010

REEL 100

Series : UMP

UMP NOTE CONNECTING



Issue : 0415 A

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

**RADIALL**®

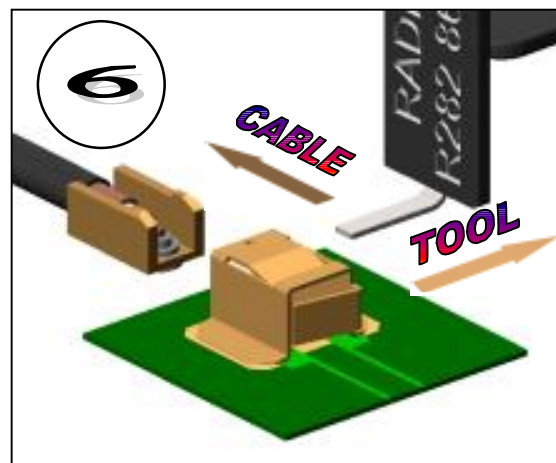
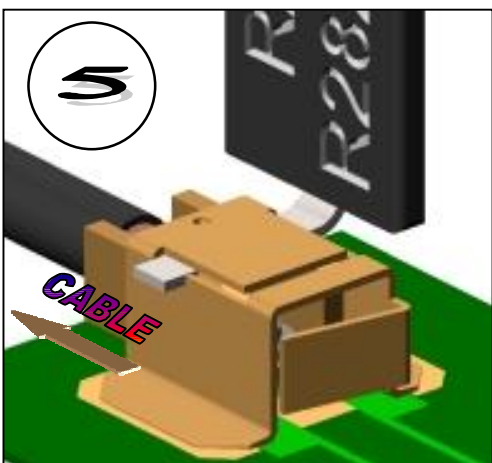
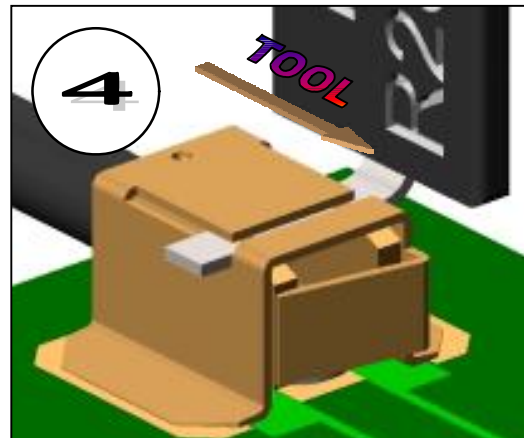
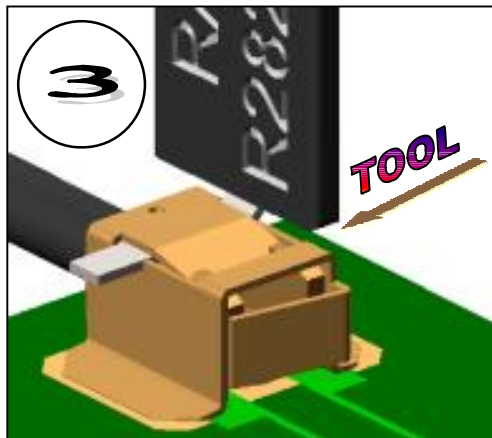
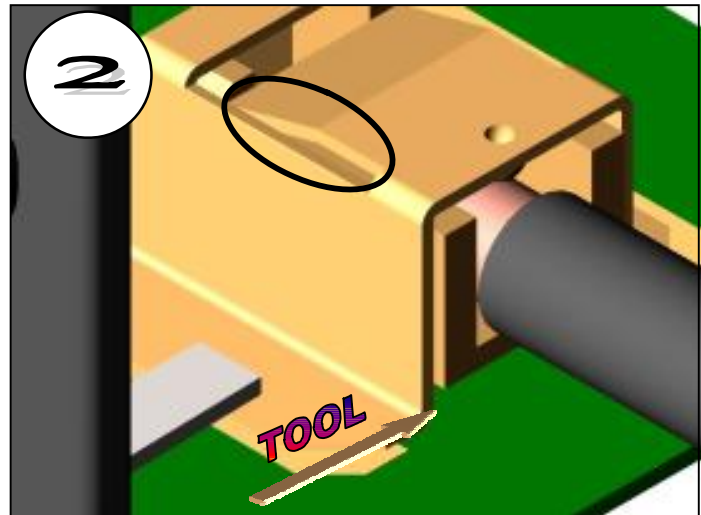
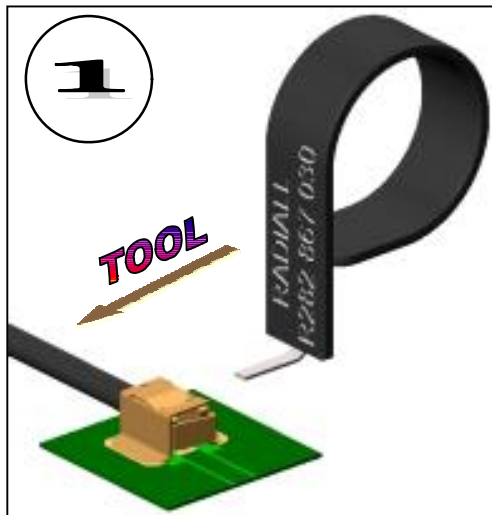
RIGHT ANGLE H2 RECEPTACLE SMT TYPE

R107.003.010

REEL 100

Series : UMP

UMP DISCONNECTING NOTE



Issue : 0415 A

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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radial:

[R107003010W](#)