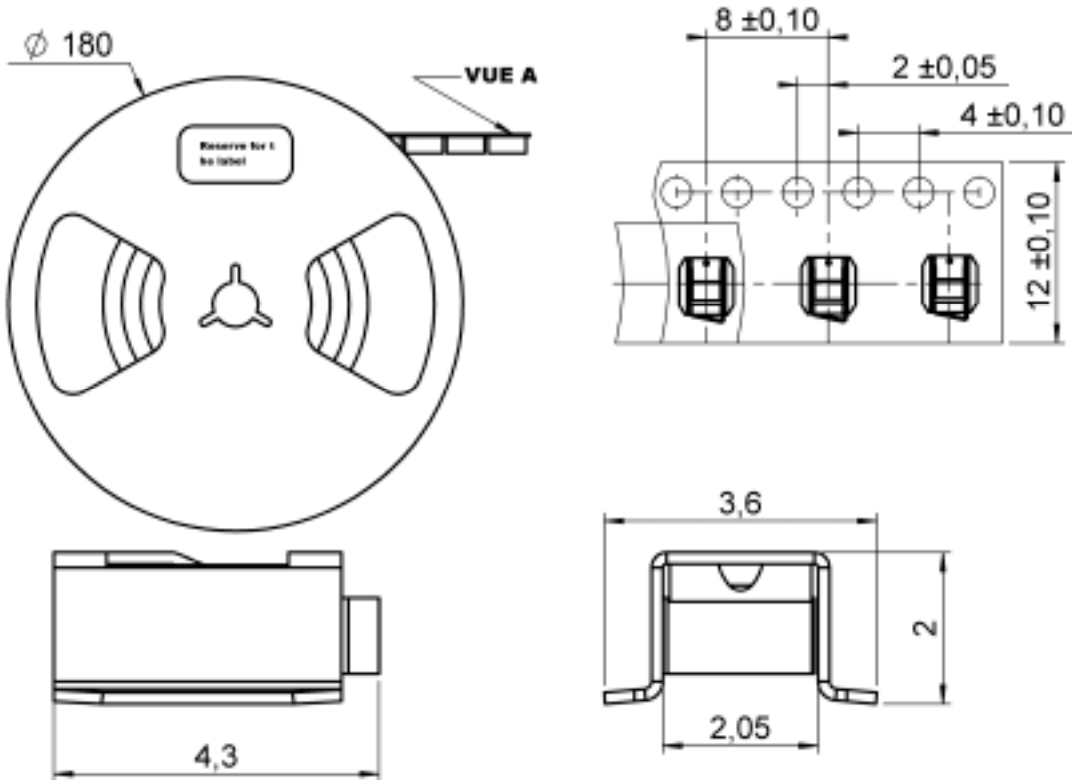


**RIGHT ANGLE H2 RECEPTACLE NON-MAGNETIC SMT TYPE**  
**REEL OF 100**

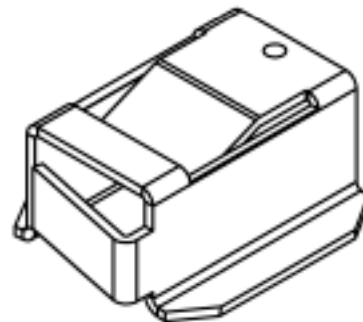
**R107.003.087**

Series : UMP



**NON-MAGNETIC**

SCALE: 1/1



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING ( $\mu\text{m}$ )
<b>BODY</b>	<b>BERYLLIUM COPPER</b>	<b>-TIN</b>
<b>CENTER CONTACT</b>	-	-
<b>OUTER CONTACT</b>	-	-
<b>INSULATOR</b>	-	-
<b>GASKET</b>	-	-
<b>OTHERS PARTS</b>	-	-
-	-	-
-	-	-

Issue : 0739 A

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**RIGHT ANGLE H2 RECEPTACLE NON-MAGNETIC SMT  
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REEL OF 100**

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**PACKAGING**

Standard	Unit	Other
<b>100</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION**

**PAQP-VOR-017**

**ELECTRICAL CHARACTERISTICS**

Impedance **50** Ω  
 Frequency **0-6** GHz  
 VSWR **1.05 + 0,0300** x F(GHz) Maxi  
 Insertion loss **NA** √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** MΩ mini

**ENVIRONMENTAL**

Operating temperature **-40/+55** ° 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 - N mini  
 Axial force – Opposite end - N mini  
 Torque - N.cm mini

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

Mating life **100** Cycles mini  
 Weight **0,0300** g

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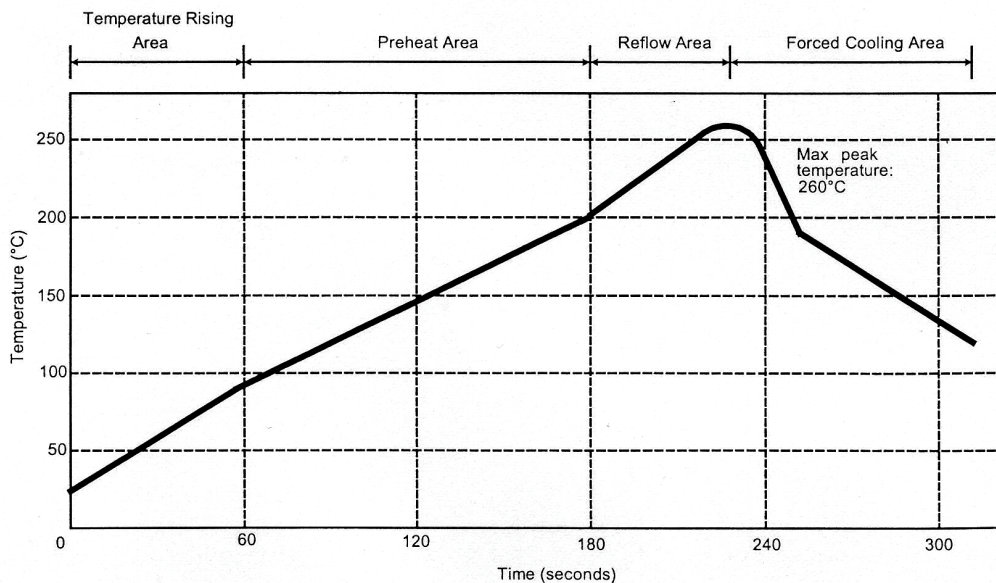
**REEL OF 100**

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## 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.**



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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**REEL OF 100**

Series : UMP

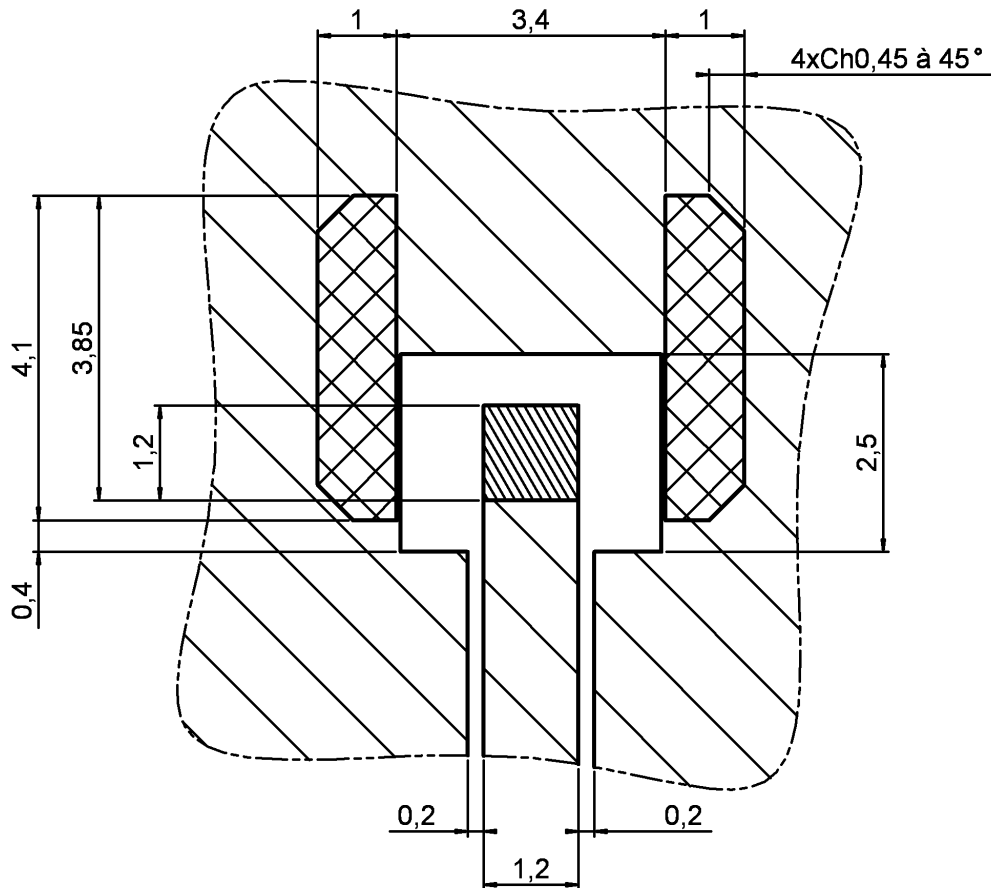
# UMP SERIES INFORMATION

## PCB

### COPLANAR LINE

Ground and signal are on the same side

Thickness of PCB : 1 mm



 18 µm Cu Mini + 7 to 9 µm Sn

 18 µm Cu Mini + 7 to 9 µm Sn

 Ground + varnish

The material of PCB is glass epoxy Composite. (Er=4.8)

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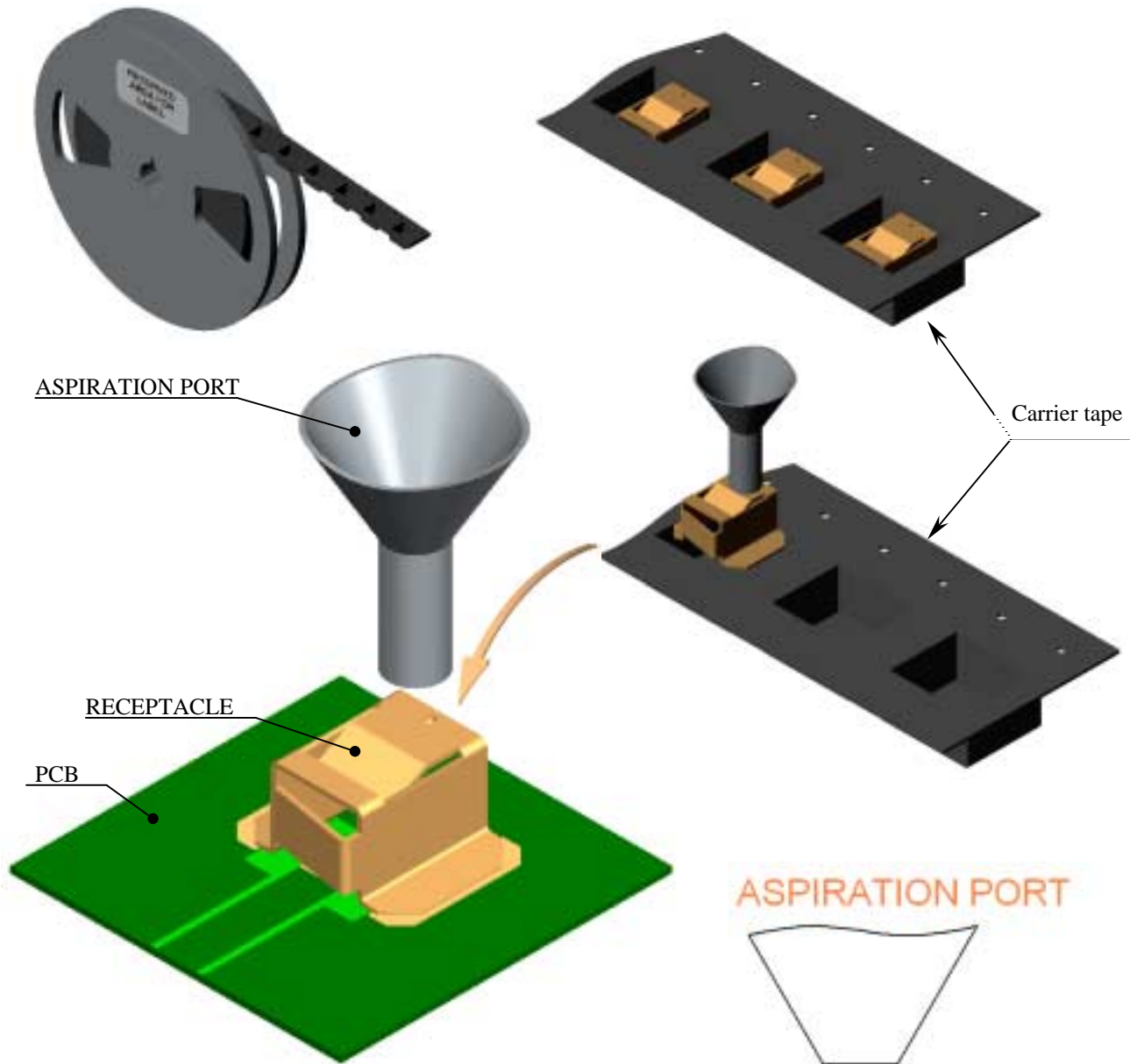
**RIGHT ANGLE H2 RECEPTACLE NON-MAGNETIC SMT TYPE**

**R107.003.087**

**REEL OF 100**

Series : UMP

# UMP SERIES INFORMATION



SHADOW FOR VIDEO CAMERA    ASPIRATION AREA

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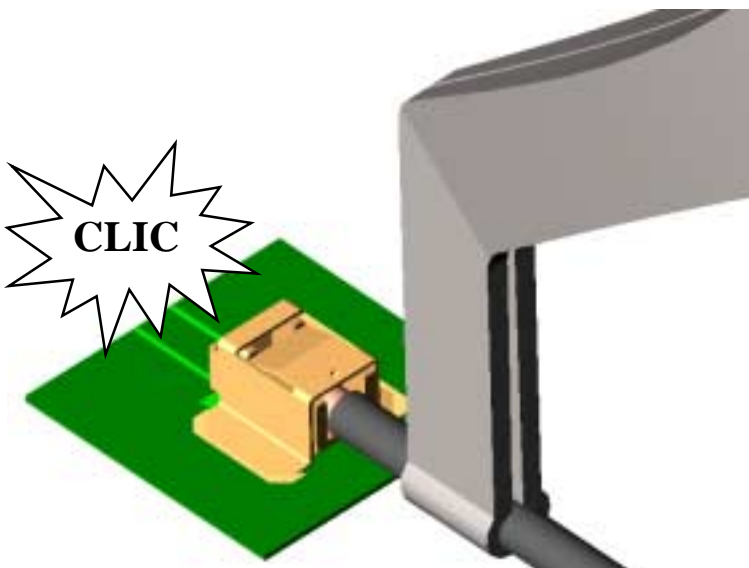
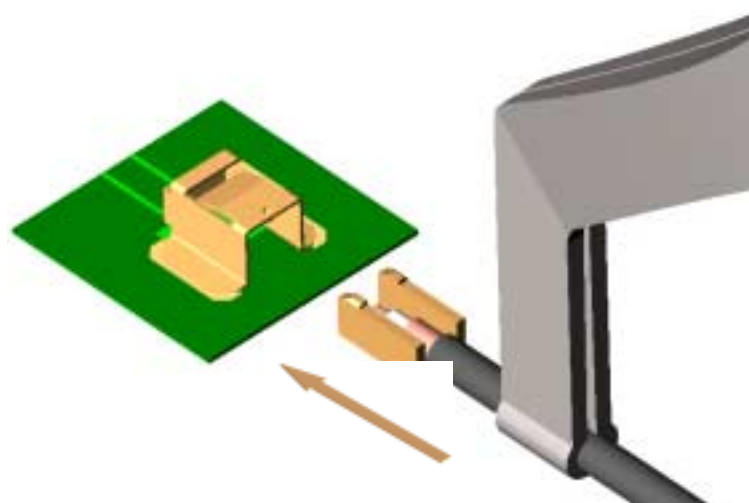
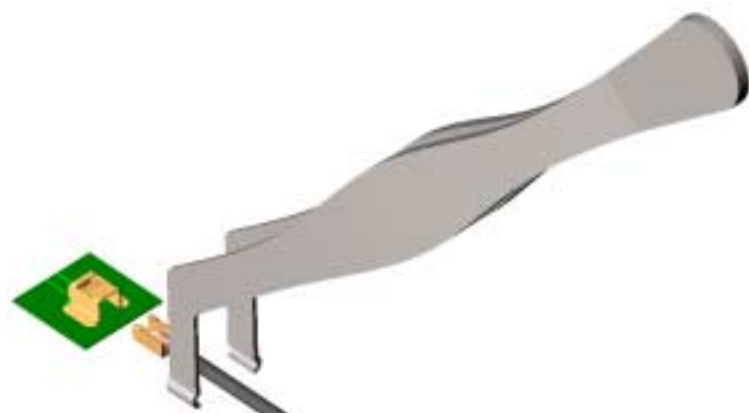
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**R107.003.087**

**REEL OF 100**

Series : UMP

# UMP CONNECTING NOTE



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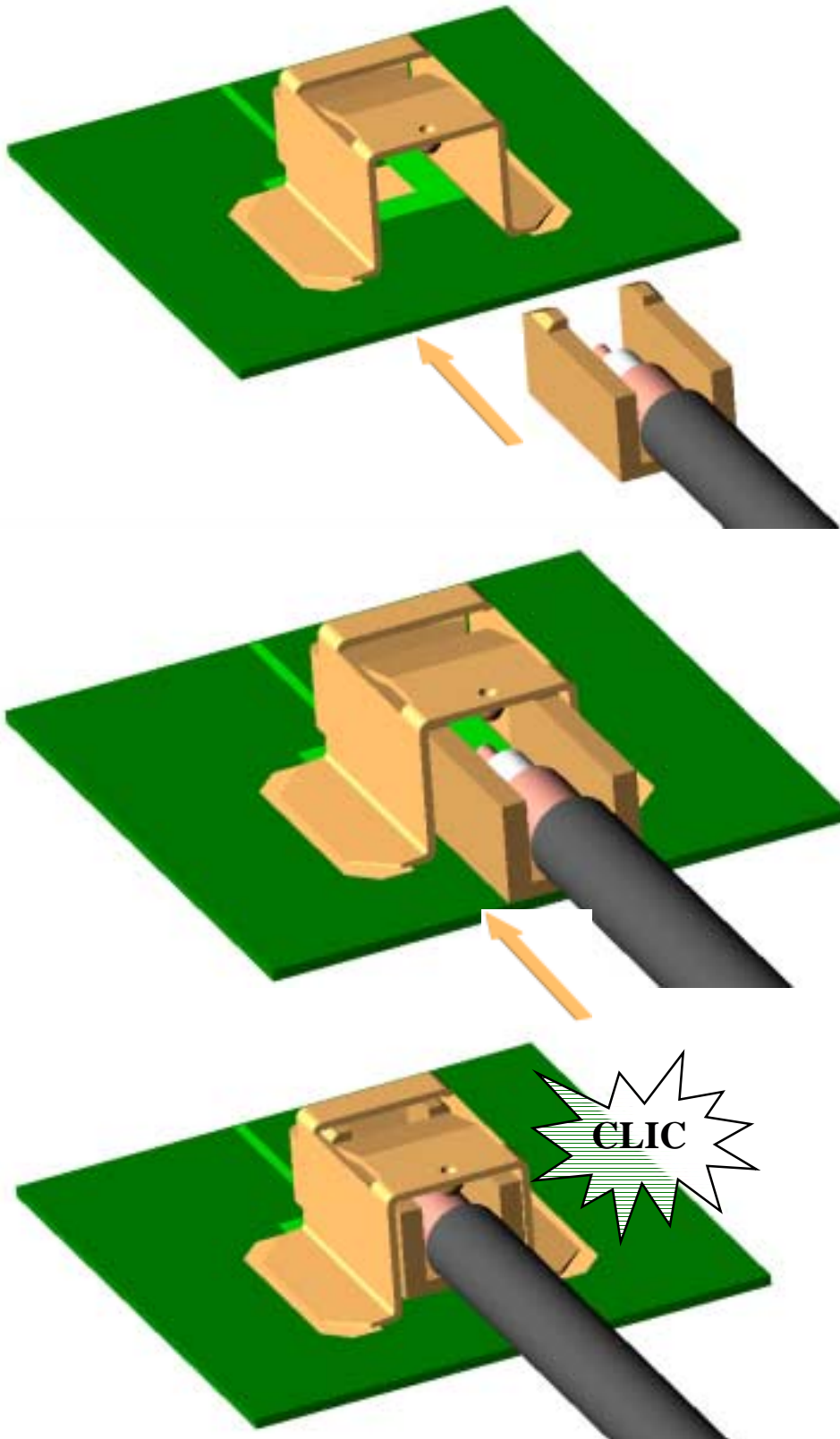
RIGHT ANGLE H2 RECEPTACLE NON-MAGNETIC SMT  
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**R107.003.087**

REEL OF 100

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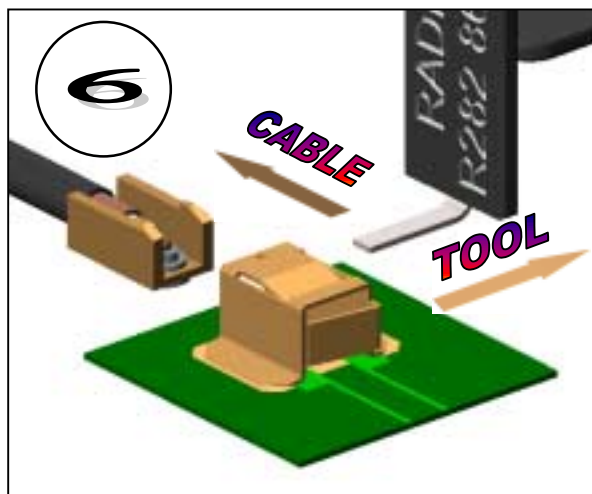
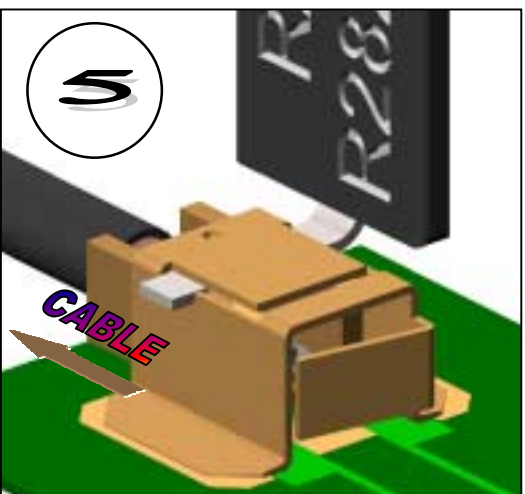
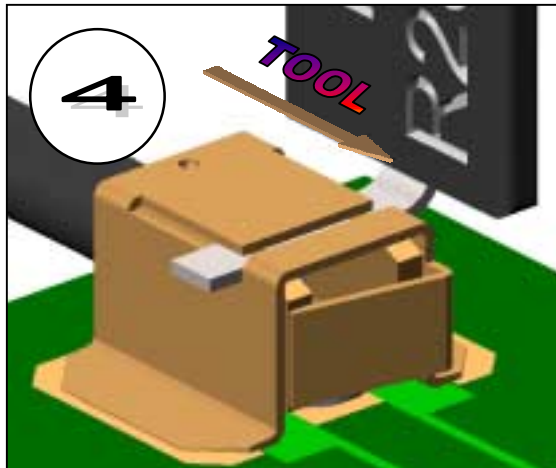
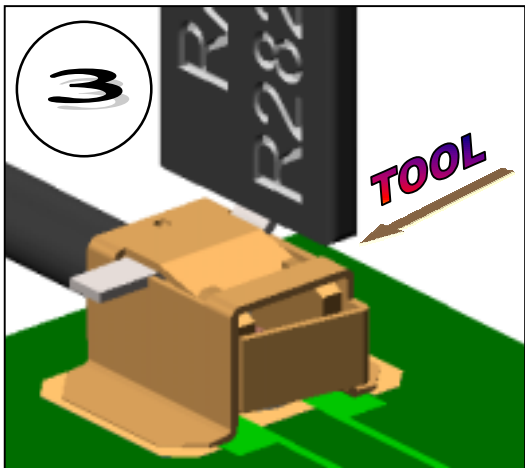
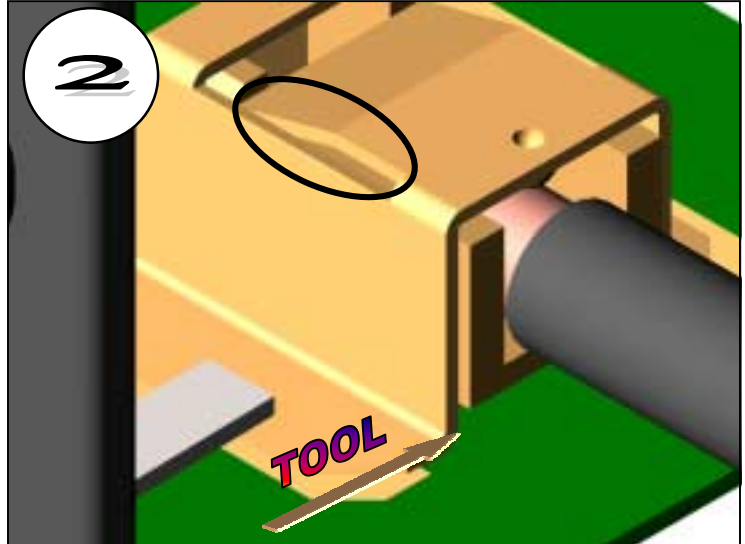
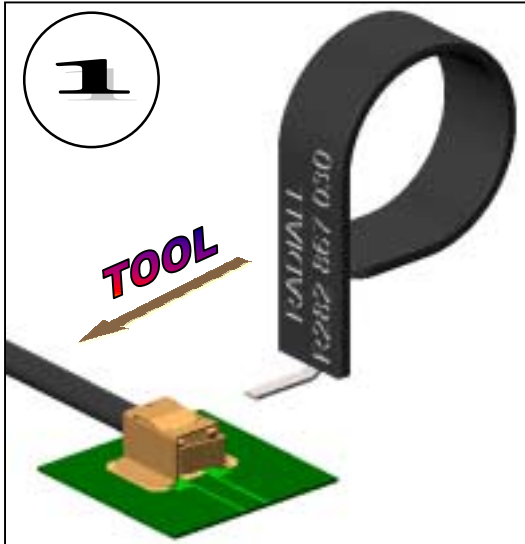
RIGHT ANGLE H2 RECEPTACLE NON-MAGNETIC SMT  
TYPE

R107.003.087

REEL OF 100

Series : UMP

# UMP DISCONNECTING NOTE



Issue : 0739 A

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