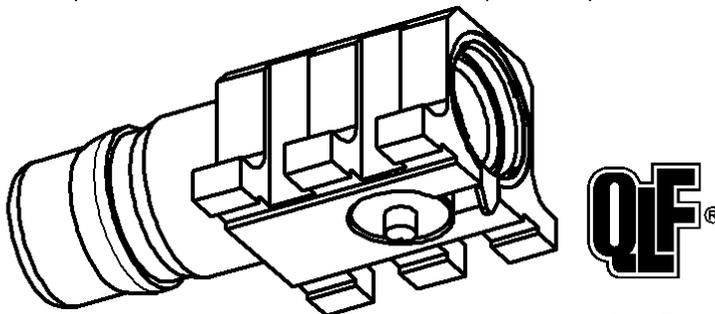
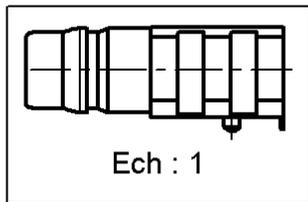
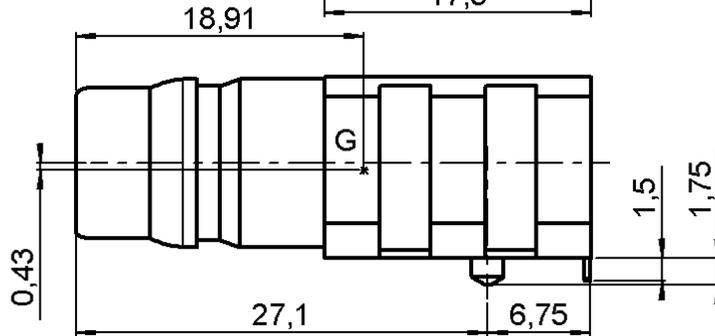
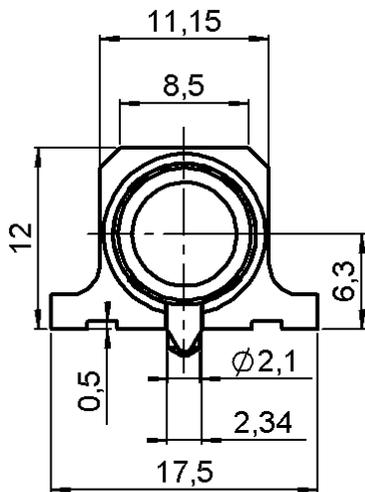
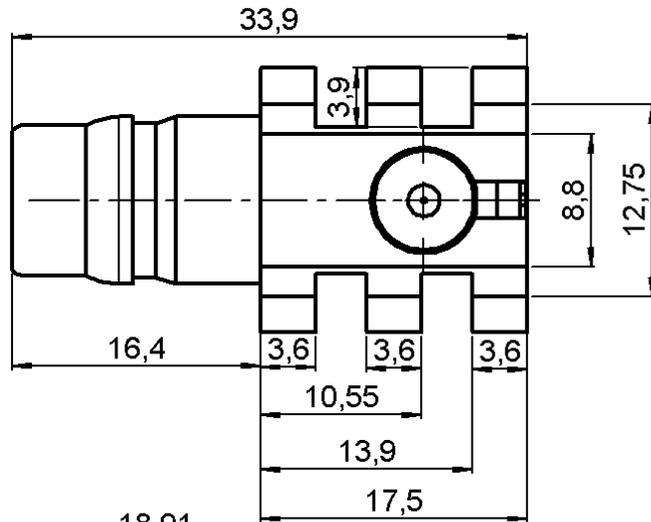
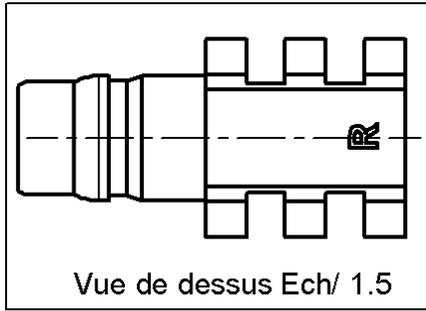


**RIGHT ANGLE SMT RECEPTACLE**

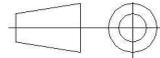
**R164.682.803**

**REEL 100**

Series : QN



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRASS	GBR 2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.3 OVER COPPER 2.5
OUTER CONTACT		
INSULATOR	PTFE	
GASKET		
OTHERS PARTS	BRASS	GOLD 0.8 OVER COPPER 0.5
.	.	.
.	.	.

Issue : 0420 B

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



**RIGHT ANGLE SMT RECEPTACLE**

**R164.682.803**

**REEL 100**

Series : QN

**PACKAGING**

**SPECIFICATION**

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

**ELECTRICAL CHARACTERISTICS**

**ENVIRONMENTAL**

Impedance		<b>50</b> Ω
Frequency		<b>0-6*</b> GHz
VSWR	<b>1.05</b> +	<b>0.025</b> x F(GHz) Maxi
Insertion loss		<b>0.048</b> √F(GHz) dB Maxi
RF leakage	- (	<b>**90</b> - F(GHz)) dB Maxi
Voltage rating		<b>500</b> Veff Maxi
Dielectric withstanding voltage		<b>1500</b> Veff mini
Insulation resistance		<b>5000</b> MΩ mini

Operating temperature	<b>-55/+125°</b> ° C
Hermetic seal	<b>NA</b> Atm.cm3/s
Panel leakage	<b>NA</b>

**OTHERS CHARACTERISTICS**

Assembly instruction

Others :

\*usable 0-11GHz(ligne adaptée seulement)

\*\*RF Leakage : -80dB min 3<F<6GHz

\*\*\*PIM3: -112 dBm (2 x 20W at 1.8GHz)

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end	<b>18</b>	N mini
Axial force – Opposite end	<b>18</b>	N mini
Torque	<b>NA</b>	N.cm mini
Recommended torque		
Mating	<b>NA</b>	N.cm
Panel nut	<b>NA</b>	N.cm
Mating life	<b>100</b>	Cycles mini
Weight	<b>21.100</b>	g

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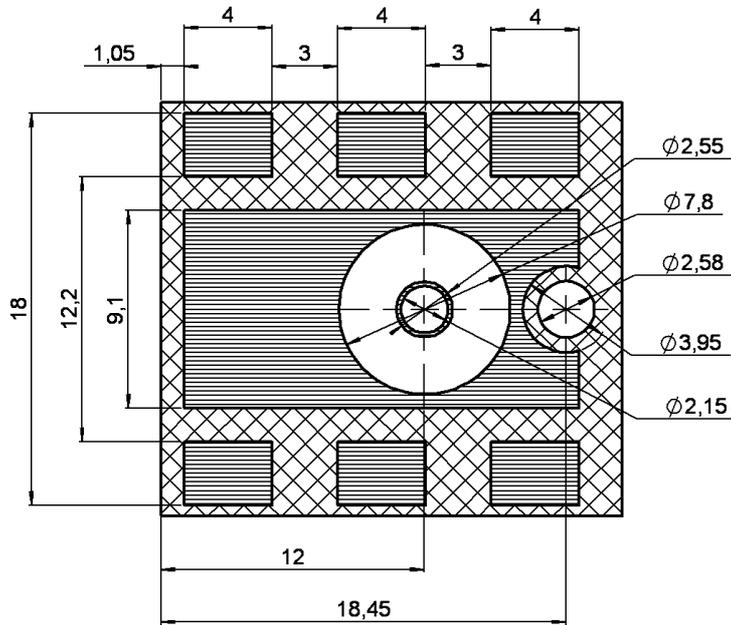
**REEL 100**

Series : QN

**QN SERIES - INFORMATIONS**

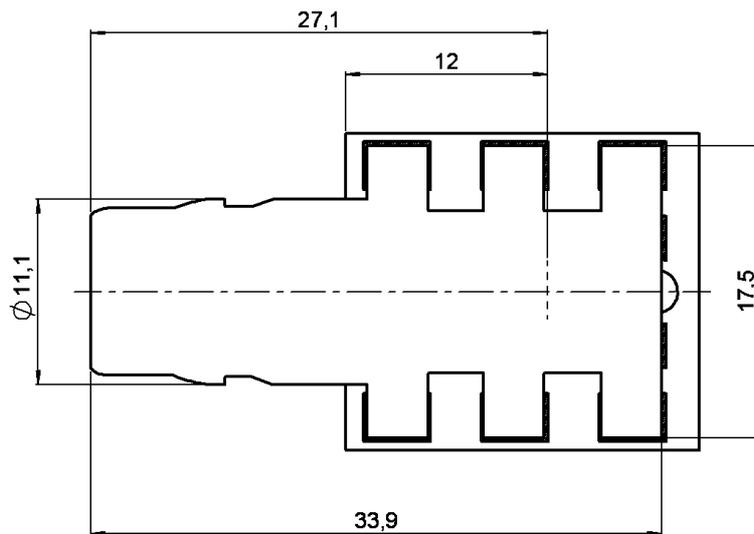
Coplanar line : pattern and signal are on the same side . Thickness of PCB : .063(1.6mm)

The material of PCB is the epoxy resin of glass fabrics bacs . (Er = 4.8) . The solder resist should be printed except for the land pattern on the PCB .



-  Land for solder paste (plots de soudure)
-  Pattern (masse + verni)

**SHADOW OF QN RECEPTACLE FOR VIDEO CAMERA**



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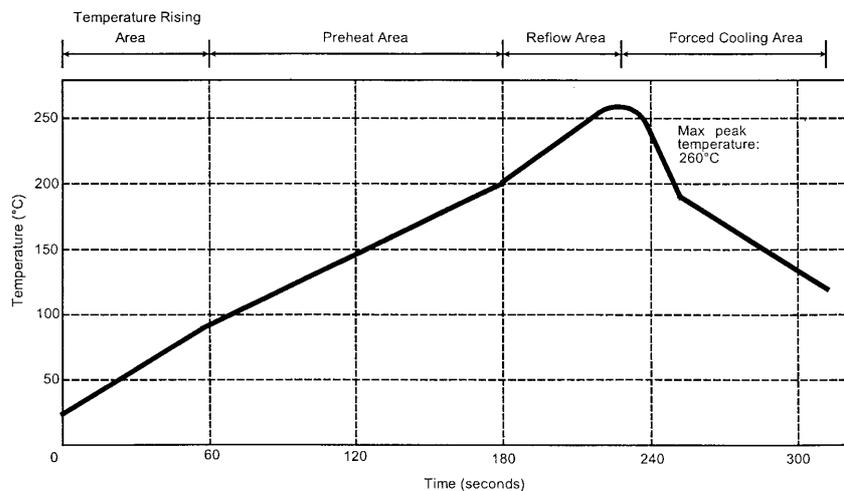
**REEL 100**

Series : QN

**SOLDER PROCEDURE**

1. Deposit solder paste 'SnAg4Cu0.5' 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.  
Video camera is preferred to check the positioning of the component. Adhesive agents are forbidden on the receptacle.
3. Soldering by infra-red reflow.
4. Cleaning of printed circuit boards.
5. Checking of solder joints and position of the component by visual inspection.

**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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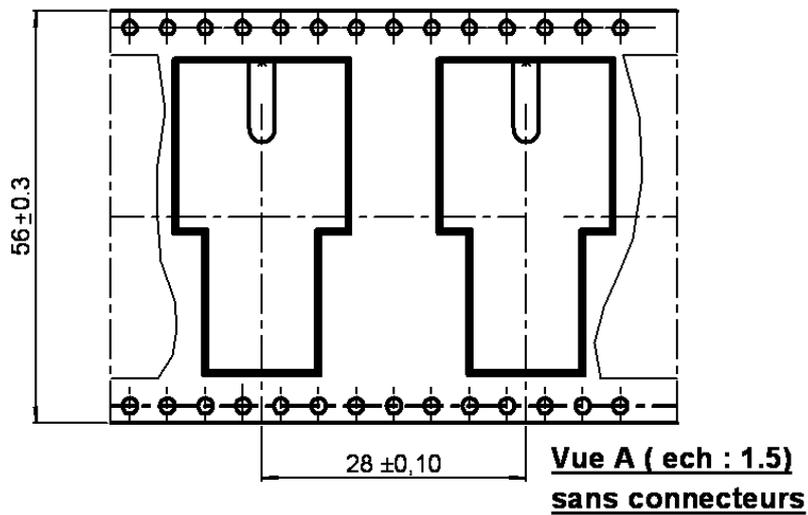
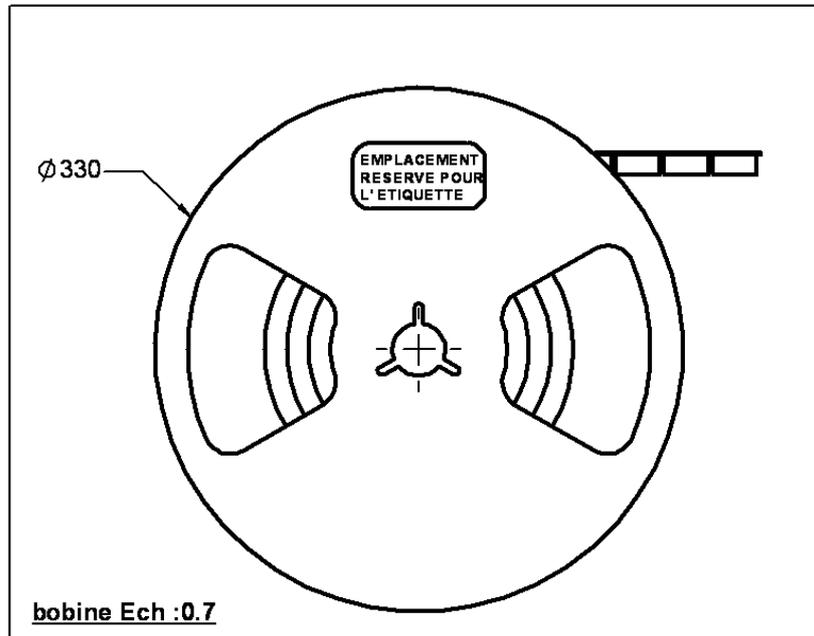


**RIGHT ANGLE SMT RECEPTACLE**

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Series : QN



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