

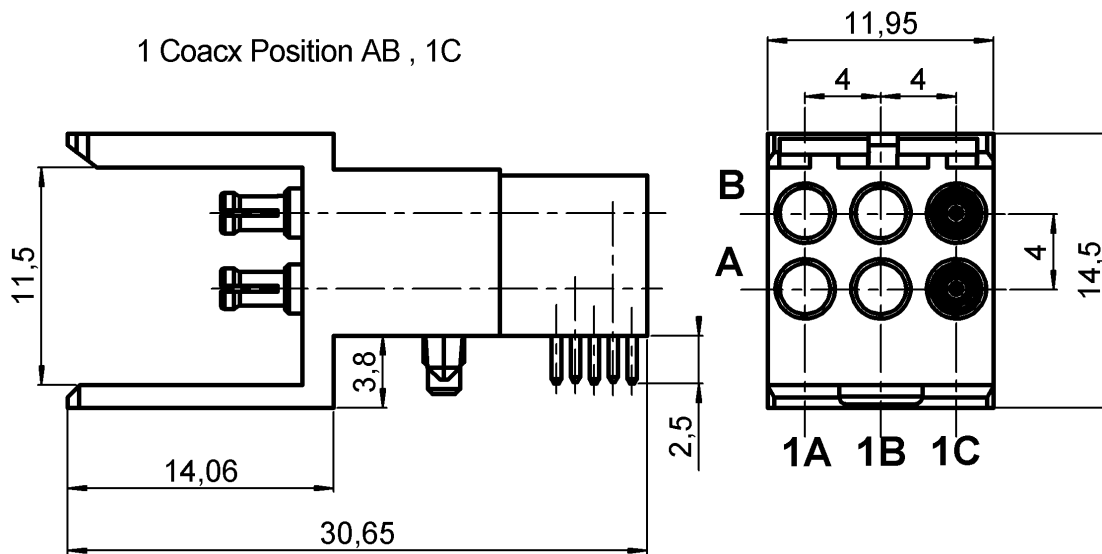
**R/A MALE MODULE 2 SOLDER TYPE INSERTS**

**2.5MM FOR PCB**

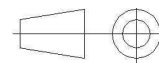
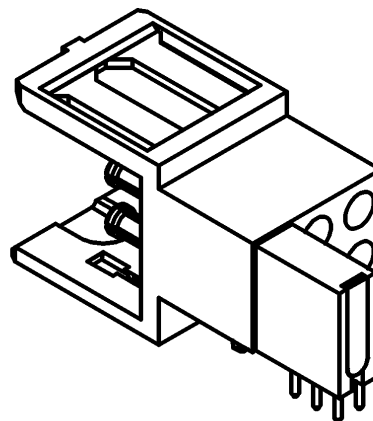
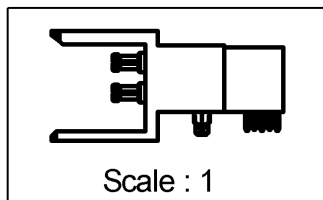
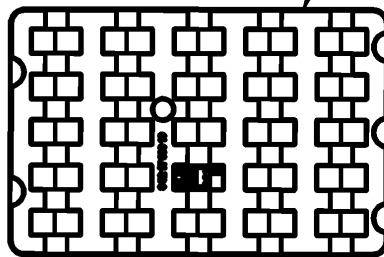
**R694.251.113**

Series : MCC2

1 Coax Position AB , 1C



Connectors' packaging



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (μm)
BODY	BRASS	NICKEL 2
CENTER CONTACT	BERYLLIUM COPPER	NPGR
OUTER CONTACT	BRONZE	NPGR
INSULATOR	PEEK , ULTEM	
GASKET	-	-
OTHERS PARTS	LIQUID CRISTAL POLYMER	-
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.	.	.

Issue : 0627 B

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



**R/A MALE MODULE 2 SOLDER TYPE INSERTS****2.5MM FOR PCB****R694.251.113**

Series : MCC2

**PACKAGING**

Standard	Unit	Other
<b>25</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-6</b>	GHz
VSWR	<b>1.20* + 0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.2</b>	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (	- F(GHz)) dB Maxi
Voltage rating	<b>500</b>	Veff Maxi
Dielectric withstanding voltage	<b>750</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

**ENVIRONMENTAL**

Operating temperature	<b>-25/+125</b>	$^{\circ}\text{C}$
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**OTHER CHARACTERISTICS**

Assembly instruction

Others :  
VSWR optimized between DC to 3GHz

**MECHANICAL CHARACTERISTICS**

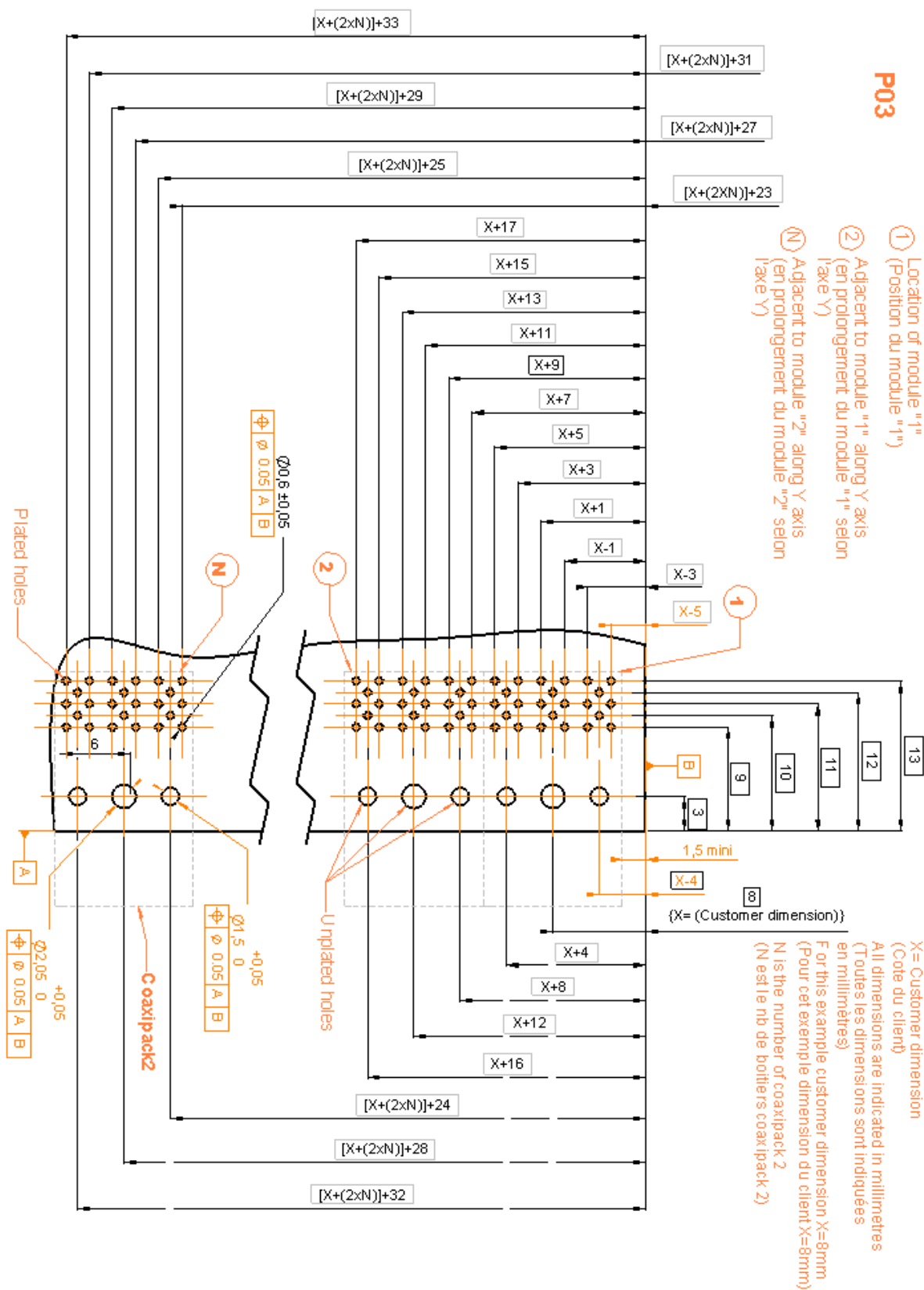
Center contact retention	
Axial force – Mating end	<b>6</b> N mini
Axial force – Opposite end	<b>6</b> N mini
Torque	<b>NA</b> N.cm mini
Recommended torque	
Mating	<b>NA</b> N.cm
Panel nut	<b>NA</b> N.cm
Mating life	<b>500</b> Cycles mini
Weight	<b>79,6100</b> g

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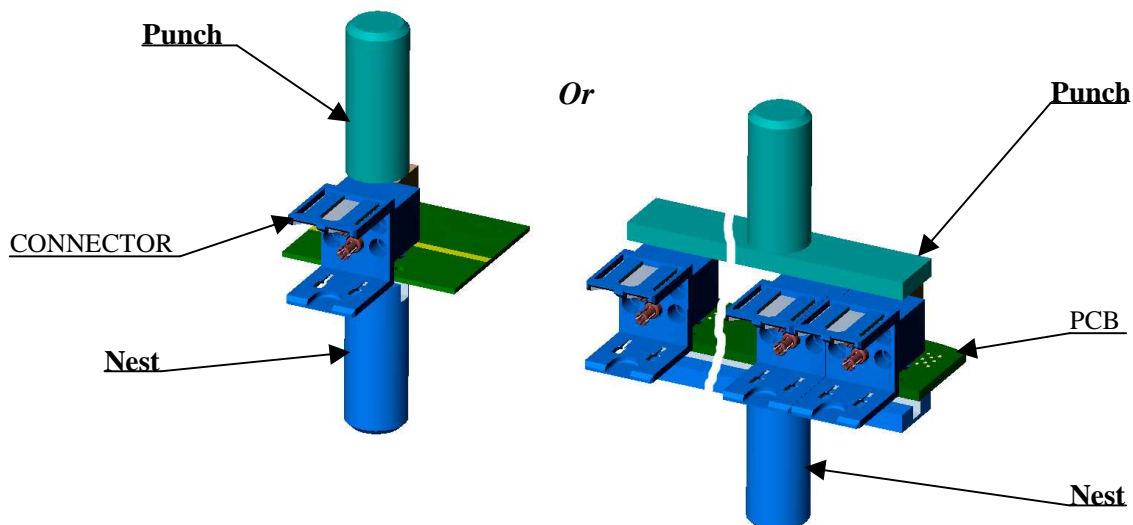


# R/A MALE MODULE 2 SOLDER TYPE INSERTS 2.5MM FOR PCB

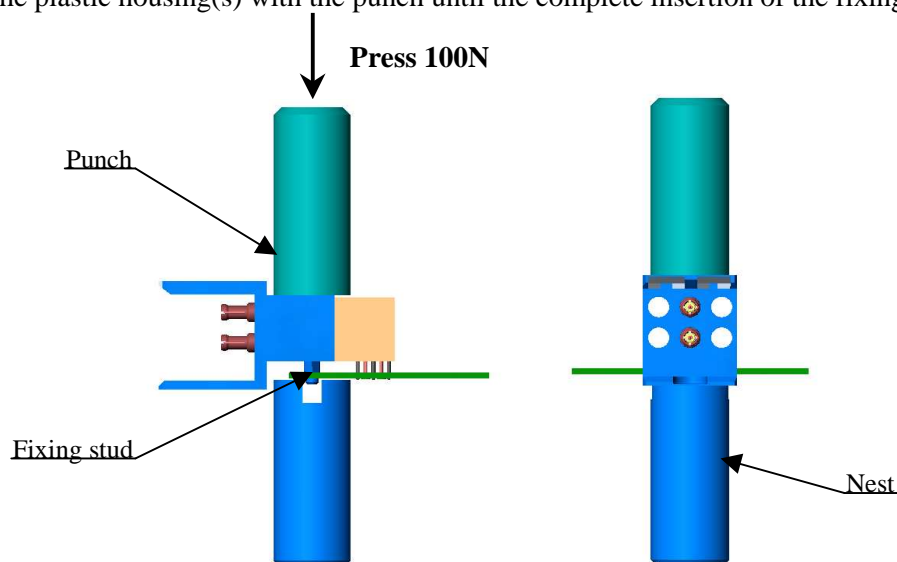
# R694.251.113

## Series : MCC2

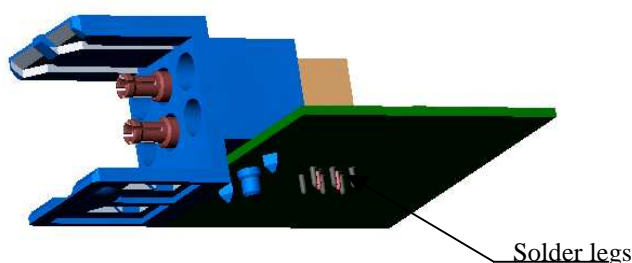
- Place the coax connector on the PCB



- Place correctly the PCB between the punch and the nest of the press.
- In case of multiple housing configuration, use a punch and a nest large enough to cover all the housings.
- Press on the plastic housing(s) with the punch until the complete insertion of the fixing stud into the PCB.



- Solder the legs on board



Radiall do not recommend to use more than 3 modules on the same motherboard and can't be held liable of any connection defect when more than 3 modules are implemented on the board

**Issue : 0627 B**

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