R/A FEMALE MODULE 2 SOLDER TYPE INSERTS

2.5MM FOR PCB
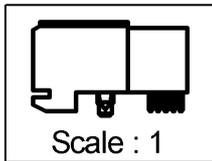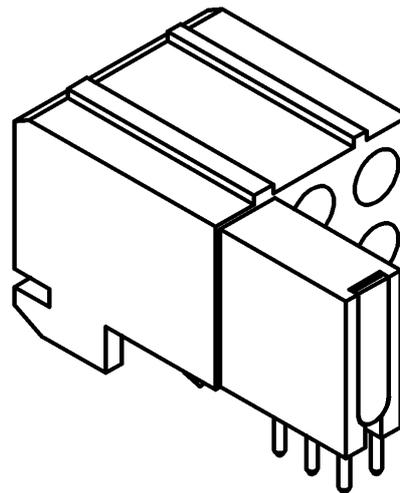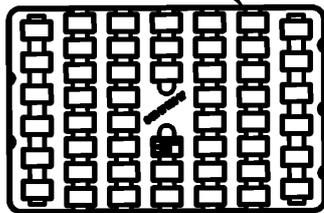
R694.252.101

Series : **MCC2**

2 Coax Position AB/1A

11,98

11,3   8,8

2,5

Ø0,5

12,45   7,8

B

A

4

4   4

1C   1B   1A
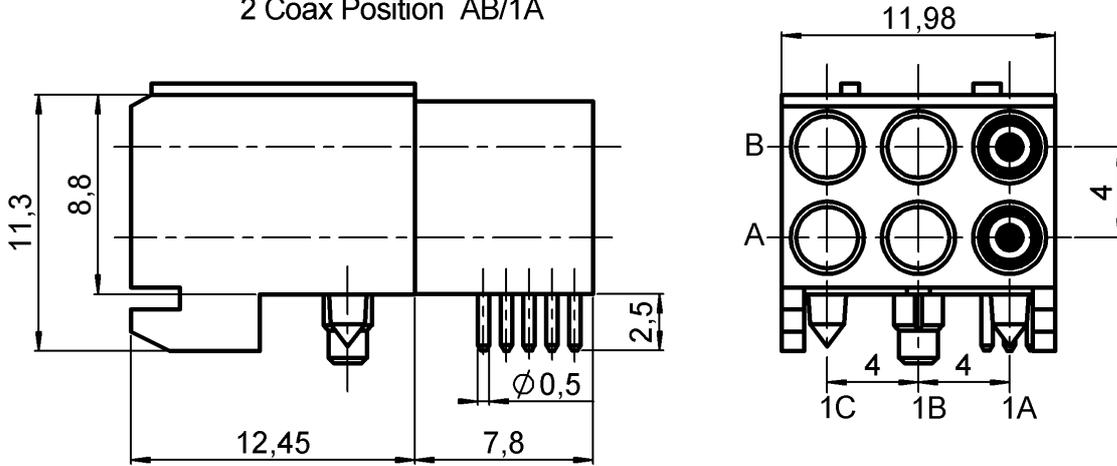
Connectors' packaging

Scale : 1

All dimensions are in mm.
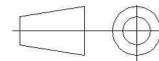
COMPONENTS	MATERIALS	PLATING (μm)
BODY	**BRASS**	**NICKEL 2**
CENTER CONTACT	**BERYLLIUM COPPER**	**NPGR**
OUTER CONTACT	**BRASS**	**NPGR**
INSULATOR	**PEEK , ULTEM**	
GASKET	**-**	
OTHERS PARTS	**-**	**-**
-	**-**	**-**
-	**-**	**-**

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2.5MM FOR PCB

R694.252.101
Series : **MCC2**

PACKAGING

Standard	Unit	Other
50	**'W' option**	**Contact us**

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance	**50**	Ω
Frequency	**0-6**	GHz
VSWR	**1.15*** + **0,0000**	x F(GHz) Maxi
Insertion loss	**0.2**	√F(GHz) dB Maxi
RF leakage	- (**AD**	- F(GHz)) dB Maxi
Voltage rating	**500**	Veff Maxi
Dielectric withstanding voltage	**750**	Veff mini
Insulation resistance	**5000**	MΩ mini

ENVIRONMENTAL

Operating temperature	**-25/+125**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

OTHER CHARACTERISTICS

Assembly instruction

Others :
*VSWR optimized between DC to 3GHz

MECHANICAL CHARACTERISTICS

Center contact retention
Axial force – Mating end	**6**	N mini
Axial force – Opposite end	**6**	N mini
Torque	**NA**	N.cm mini

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

Mating life	**500**	Cycles mini
Weight	**88,7660**	g

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R/A FEMALE MODULE 2 SOLDER TYPE INSERTS

2.5MM FOR PCB

R694.252.101

Series : **MCC2**

P03

① Location of module "1"
(Position du module "1")

② Adjacent to module "1" along Y axis
(en prolongement du module "1" selon l'axe Y)

Ⓝ Adjacent to module "2" along Y axis
(en prolongement du module "2" selon l'axe Y)

[X+(2xN)]+33
[X+(2xN)]+31
[X+(2xN)]+29
[X+(2xN)]+27
[X+(2xN)]+25
[X+(2XN)]+23
X+17
X+15
X+13
X+11
X+9
X+7
X+5
X+3
X+1
X-1
X-3
X-5

⌀0.6 ±0.05

⌖ ⌀ 0.05 A B

Plated holes

N

2

6

⌖ ⌀2.05 +0.05 0

⌖ ⌀ 0.05 A B

C oaxipack2

⌖ ⌀1.5 +0.05 0

⌖ ⌀ 0.05 A B

Unplated holes

A

B

3

9

10

11

12

13

1,5 mini

X-4

8

{X= (Customer dimension)}

X+4
X+8
X+12
X+16
[X+(2xN)]+24
[X+(2xN)]+28
[X+(2xN)]+32

X= Customer dimension
(Cote du client)
All dimensions are indicated in millimetres
(Toutes les dimensions sont indiquées en millimètres)
F or this example customer dimension X=8mm
(Pour cet exemple dimension du client X=8mm)
N is the number of coaxipack 2
(N est le nb de boîtiers coaxipack 2)
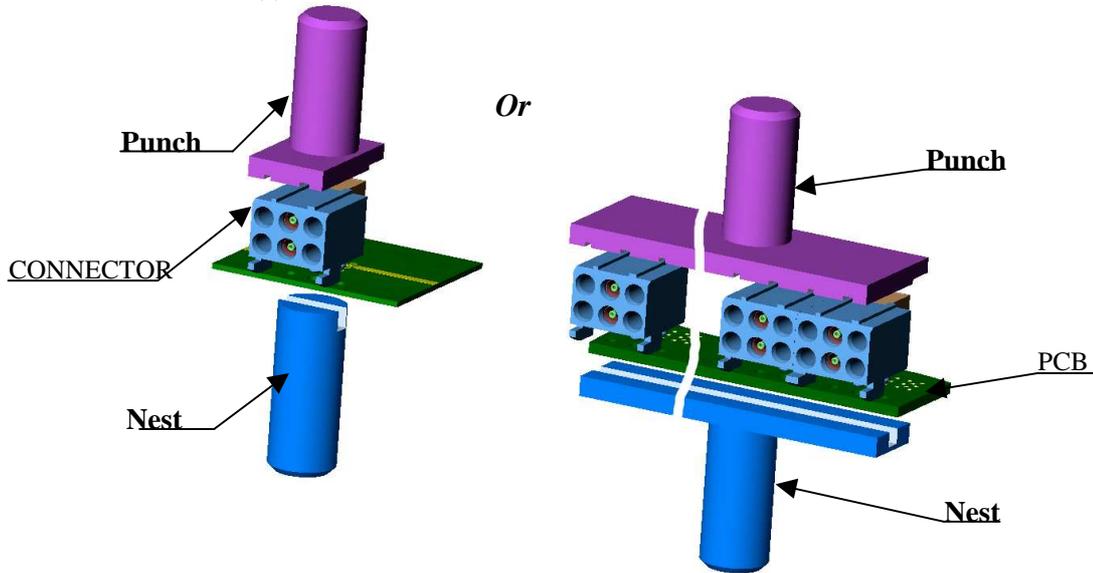
RADIALL ®

| **R/A FEMALE MODULE 2 SOLDER TYPE INSERTS**

 2.5MM FOR PCB | **R694.252.101**
 Series : **MCC2** |

➢ Place the coax connector(s) 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.
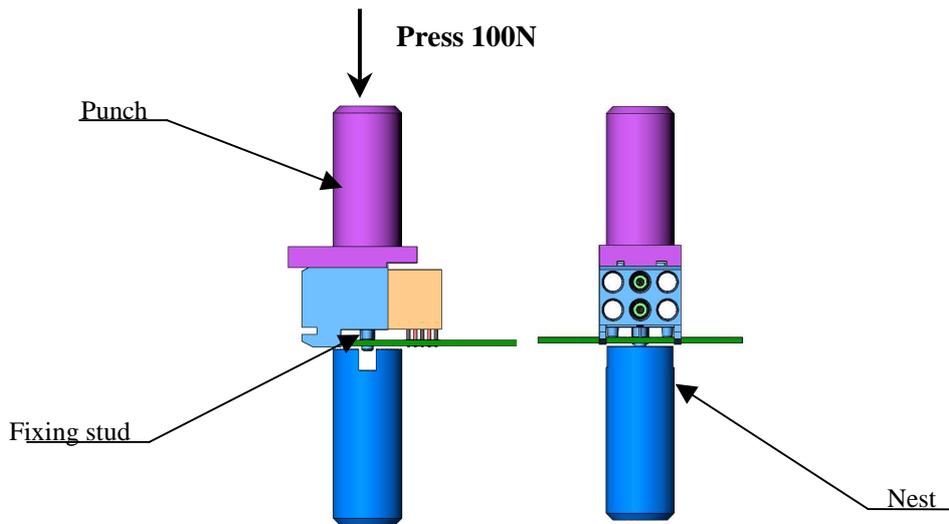
➢ Solder the legs on board
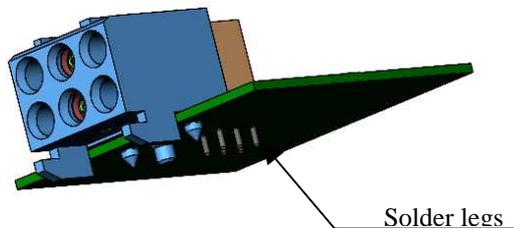
Radiall do not recommend to use more than 3 modules on the same motherboard and can't be held liable of any connection defect when more than 3 modules are implemented on the board.

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