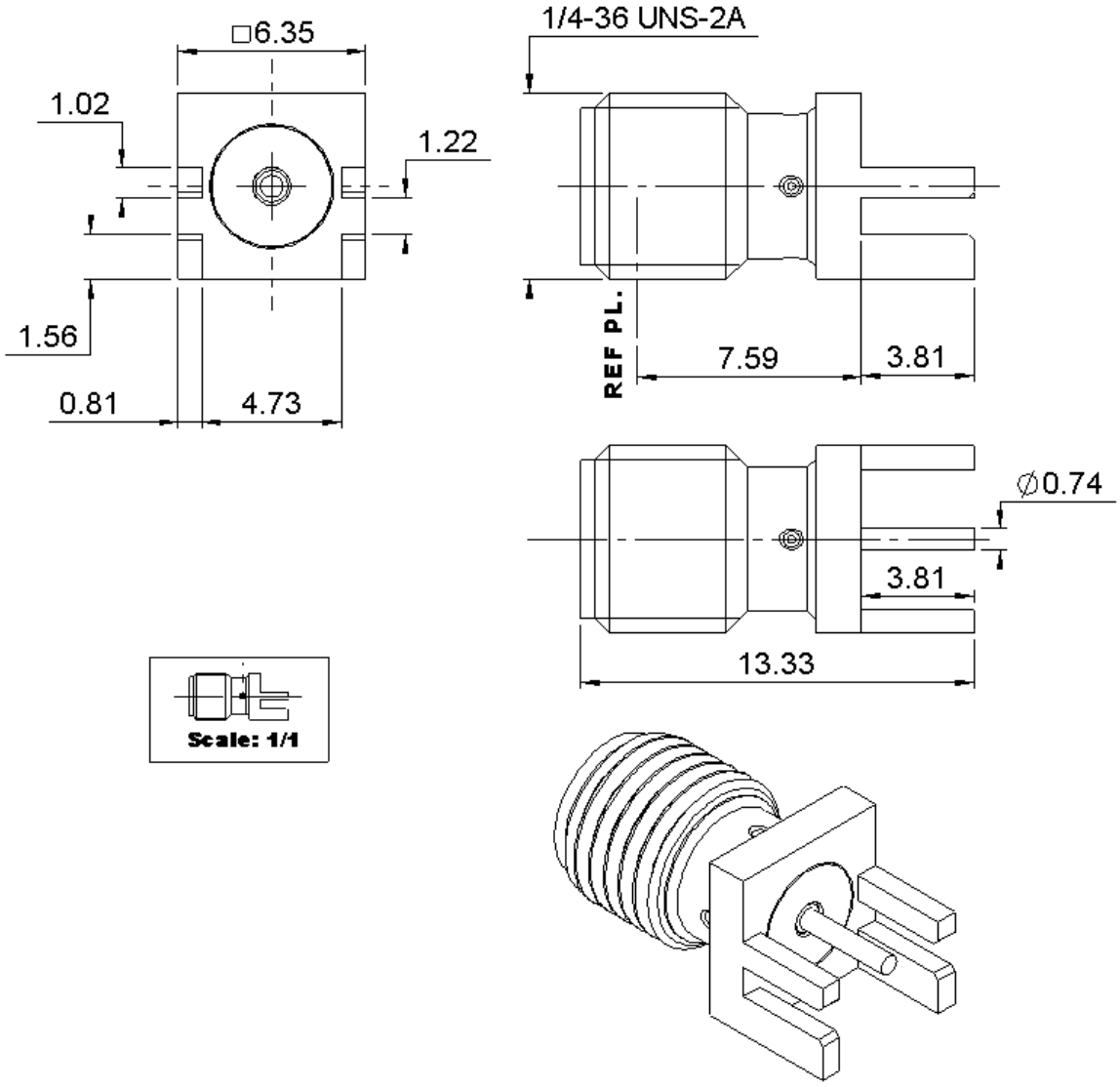
FEMALE STRAIGHT RECEPTACLE FOR PCB

SMT TYPE - EDGE CARD.

R125.423.200

Series : **SMA**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
BODY	**STAINLESS STEEL**	**GOLD 0.5 OVER NICKEL 2**
CENTER CONTACT	**BERYLLIUM COPPER**	**GOLD 1.3 OVER NICKEL 2**
OUTER CONTACT	-	-
INSULATOR	**PTFE**	
GASKET	-	
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 1020 B

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PACKAGING

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

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-18**	GHz
VSWR	**1.14** +	**0,0000**	x F(GHz) Maxi
Insertion loss		**0.05**	√F(GHz) dB Maxi
RF leakage	- (	**-**	- F(GHz)) dB Maxi
Voltage rating		**500**	Veff Maxi
Dielectric withstanding voltage		**1000**	Veff mini
Insulation resistance		**5000**	MΩ mini

ENVIRONMENTAL

Operating temperature	**-65/+165**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

OTHER CHARACTERISTICS

Assembly instruction

Others :
-

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**27**	N mini
Axial force – Opposite end	**27**	N mini
Torque	**2.8**	N.cm mini
Recommended torque		
Mating	**NA**	N.cm
Panel nut	**NA**	N.cm
Mating life	**500**	Cycles mini
Weight	**1,3000**	g

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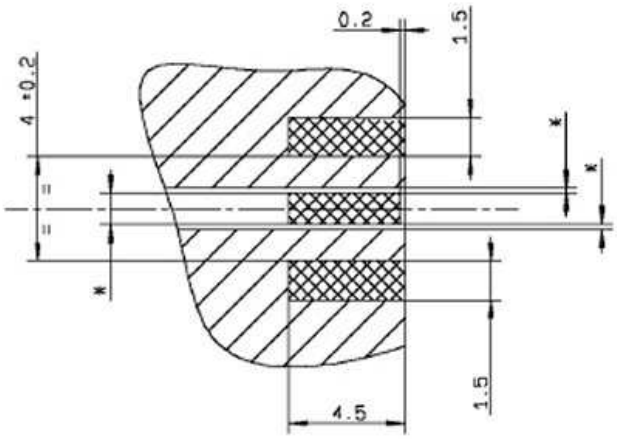


COPLANAR LINE
Pattern and signal are on the same side.
The material of PCB is the epoxy resin of glass fabrics bacs. (Er = 4.8)
The solder resist should be printed except for the land pattern on the PCB.

*Parameters flaged by a star must be defined dimensionally regarding the thickness of the PCB and the transmission way these parameters could be measured by RADIALL if request.

Pattern

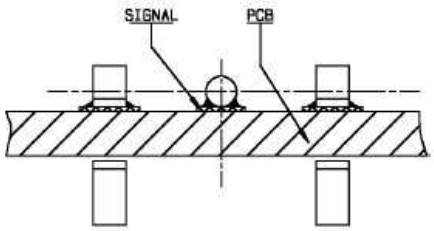
Land for solder paste

1

This type of connector is adapted to one specifie PCB thickness. It can be used with differents ways of transmission.

COPLANAR LINE

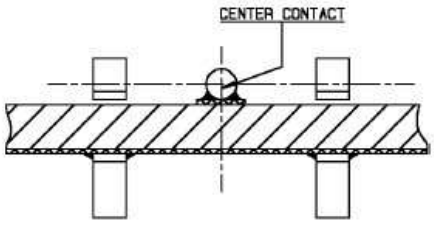
Signal and ground are coplanar.



2

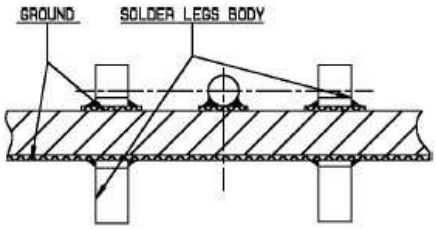
MICROSTRIP LINE

Signal and ground are opposite.



3

Coplanar and opposite grounds.



Solution (3) features a stronger mechanical retention on the PCB because the 4 leads are soldered.