RADIALL®
COAXIAL CONNECTORS

TECHNICAL DATA

R120.416.507

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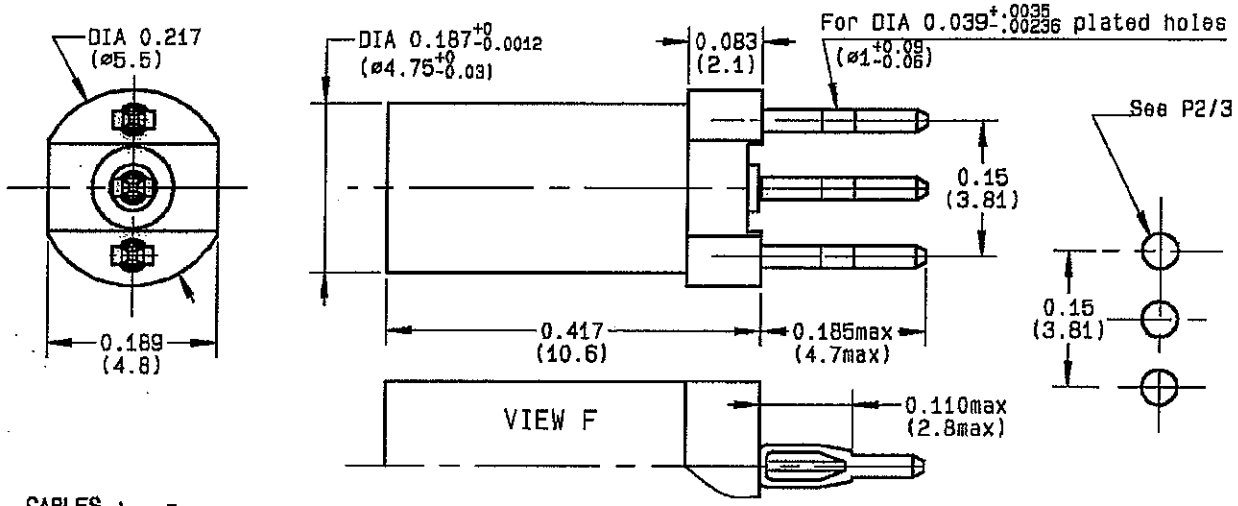
MALE PRESS-FIT RECEPTACLE

Series : DIN 41626

93-0130-322



CABLES : -

CHARACTERISTICS

NOMINAL IMPEDANCE	50	Ω
FREQUENCY RANGE	0-4	GHz
TEMPERATURE RATING	-40/+85	°C
VSWR	1.22 + 0 x F(GHz)Maxi	
RF INSERTION LOSS	NA √F(GHz) dB Maxi	
VOLTAGE RATING	350	Vrms Max
DIELECTRIC WITHSTANDING VOLTAGE	750	Vrms min
INSULATION RESISTANCE	5000	MΩ min
HERMETIC SEAL	--	cc/s
	NA	Atm.cm3/s
LEAKAGE (pressurized only)	--	psi
	NA	MPa
WEIGTH	0	Oz
	-	g
-		

STANDARDISATION		
	-	
	-	
	-	
	-	
	-	
CABLE RETENTION	0	lb min
	NA	N
CENTER CONTACT RETENTION		
Axial force - mating end	1.12	lb min
	5	N
Axial force - opposite end	1.12	lb min
	5	N
Torque (Min)	0	Inch.oz
	NA	cm.N
RECOMMENDED TORQUES		
Mating	0	inch.lb
	NA	cm.N
Panel nut	0	inch.lb
	NA	cm.N
Clamp nut	0	inch.lb
	NA	cm.N

CONSTRUCTION

CONNECTOR PARTS	MATERIALS	FINISH
BODY	BRASS	BBR 3µm
OUTER CONTACT	BERYLLIUM COPPER	BBR 3µm
CENTER CONTACT	BRASS	GOLD 1.3µm OVER NICKEL 2µm
INSULATOR	PTFE	-
PRESS-FIT	BRONZE PHOSPHOR	Tin 3 over nickel 1-2
-	-	-
-	-	-
-	-	-
-	-	-

ISSUE	REVISION No	DESCRIPTION	BY	DATE
9544	QUALITE	Added cotations and view F . Deleted 0.602(15.3) .	BONOMINI	02-11-95
9542	LABO-VOR	updated temperature rating : -55/+155->-40/+85	BONOMINI	18-10-95
9506	95.01.020	Modification of the Press-fit . 0.594(15.1) -> 0.602(15.3) .	BONOMINI	07-02-95
9417	-	CHANGE DESIGN OF CONNECTOR	BONOMINI	27-04-94

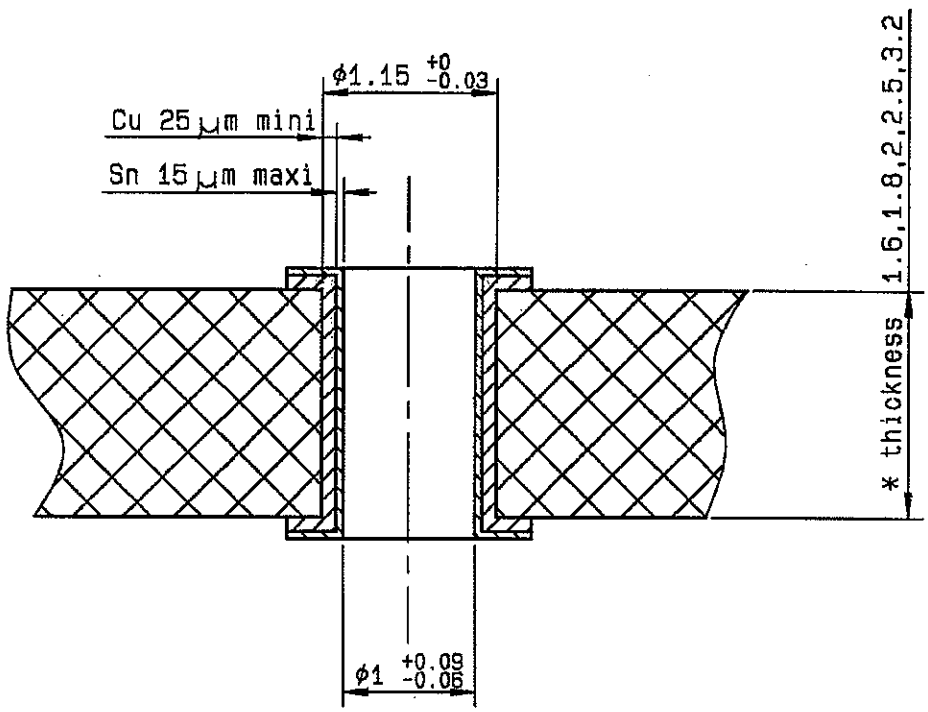
Initiated on 31/08/93

Approval by BONOMINI

RADIALL®

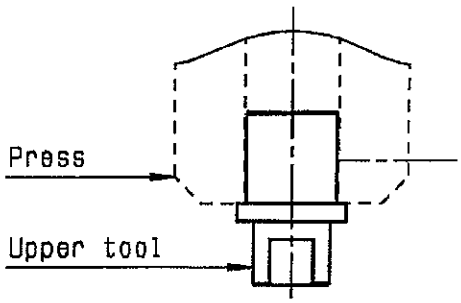
BAFFERT

PC BOARD MATERIAL	GLASS FIBRE EPOXYD NEMA:G10,G11,FR4,FR5 DIN 40802 : EP-GC 01 , EP-GC 02
THICKNESS	1.6 mm *
HOLE	FOR 1mm COMPLIANT PIN
BORE-HOLE	ϕ1.15 0/-0.03
COPPER	> 25 µm
TIN	< 15 µm
FINAL DIAMETER	ϕ1 +0.09/-0.06

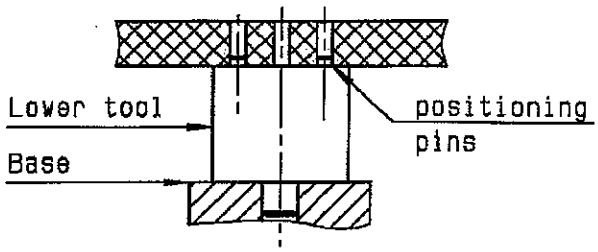


MOUNTING INSTRUCTIONS ON THE PCB
STRAIGHT CONNECTORS WITH PRESS-FIT TERMINATION

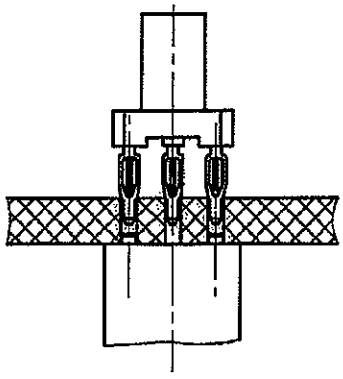
① Slide the upper tool (R282.878.170) into the machine (press) .



② Slide the lower tool(R282.878.180) into the base and place correctly the PCB on this tool .(positioning pins)

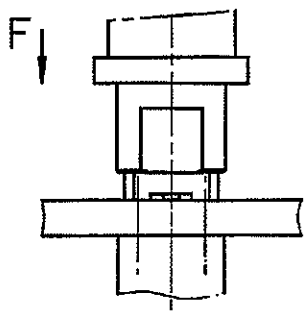


③ Place correctly the straight connector with press-fit termination on the PCB and introduce the press-fit extremity in the holes of the PCB .



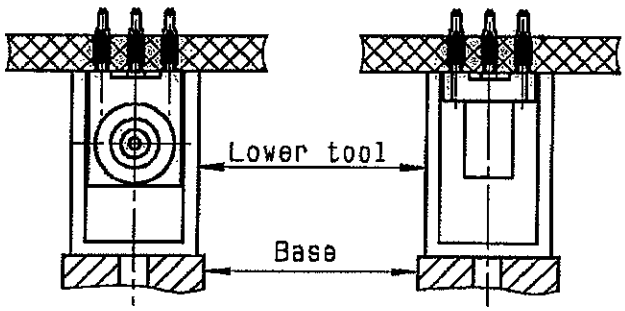
④ Push on the top (about 300 N) until total insertion .(in direction F) (Push connector body until it bottoms against PCB) .

Remove the connector and the PCB assembly .



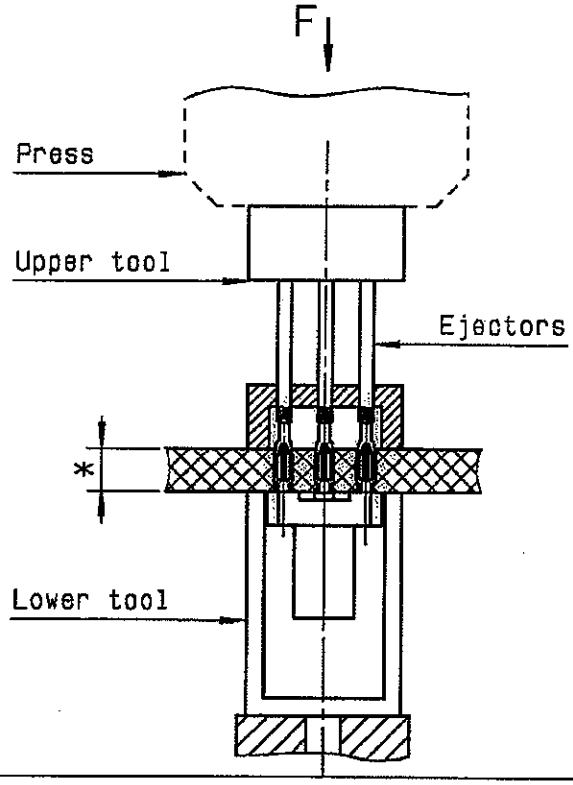
REPLACEMENT INSTRUCTIONS ON THE PCB
STRAIGHT AND RIGHT ANGLE CONNECTORS WITH PRESS-FIT TERMINATION

① Place correctly the PCB and the connector on lower tool (R282.878.181)



② Place the upper tool (R282.878.171) at the back of the connector and place correctly the ejectors :
- on Press-fit pins (if PCB thickness < 4.5mm)
- in the holes of the PCB (if PCB thickness > 4.5mm)

③ Press the back of the upper tool to remove the connector (about 300N) into the connector slide down onto lower tool .



④ CAUTION !
It's impossible to use a COAXIPRESS a twice .
A plated hole of the PCB can't be used over 3 times .

* panel thickness: 1.6 to 7 mm

411P 9211