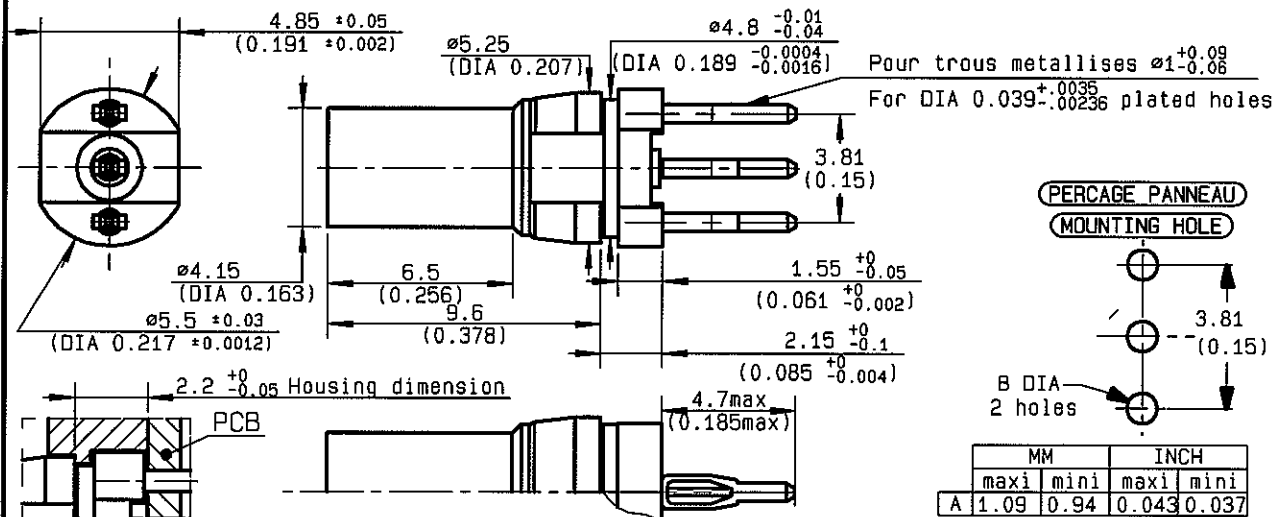


**STRAIGHT JACK RECEPTACLE FOR PCB  
PRESS FIT LEGS - PACK 100**

**R120.415.500**  
**SERIES T1.0-2.3**



NOMINAL IMPEDANCE	<b>50</b> Ω
FREQUENCY RANGE	<b>0-4</b> GHz
TEMPERATURE RATING	<b>-55/+155</b> °C
V.S.W.R	<b>1.22 + 0</b> x F(GHz)Maxi
RF INSERTION LOSS	<b>NA</b> √F(GHz) dB Maxi
VOLTAGE RATING	<b>350</b> Veff Maxi
DIELECTRIC WITHSTANDING VOLTAGE	<b>1000</b> Veff Mini
INSULATION RESISTANCE	<b>5000</b> MΩMini
HERMETIC SEAL	<b>NA</b> Atm.cm <sup>3</sup> /s
LEAKAGE (pressurized only)	<b>NA</b>
MECHANICAL DURABILITY	<b>100</b> Cycles
WEIGHT	<b>.98</b> gr
SPECIFICATION	

CABLES :

OTHERS CHARACTERISTICS

CABLE RETENTION	<b>NA</b>	N Mini
CENTER CONTACT RETENTION		
Axial force - mating end	<b>30</b>	N Mini
Axial force - opposite end	<b>30</b>	N Mini
Torque	<b>NA</b>	cm.N Mini
RECOMMENDED TORQUES		
Mating	<b>NA</b>	cm.N
Panel nut	<b>NA</b>	cm.N
Clamp nut	<b>NA</b>	cm.N

CONNECTOR PARTS	MATERIALS	FINISH	(all values are given in micrometers)
BODY	BRASS	GOLD 0.5 OVER NICKEL 2	
OUTER CONTACT			
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL 2	
INSULATOR	PTFE	-	
GASKET		-	
OTHERS PIECES	PHOSPHOR BRONZE	Tin 3 over nickel 1-2	

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ISSUE  
**0540B**

CREATION DATE  
**08/07/1997**

FILE PART-NUMBER  
**97-0130-545**



**RADIALL®**

The information given here is subject to change without notice.  
Design changes may be in order to improve the product.

Connect to the future

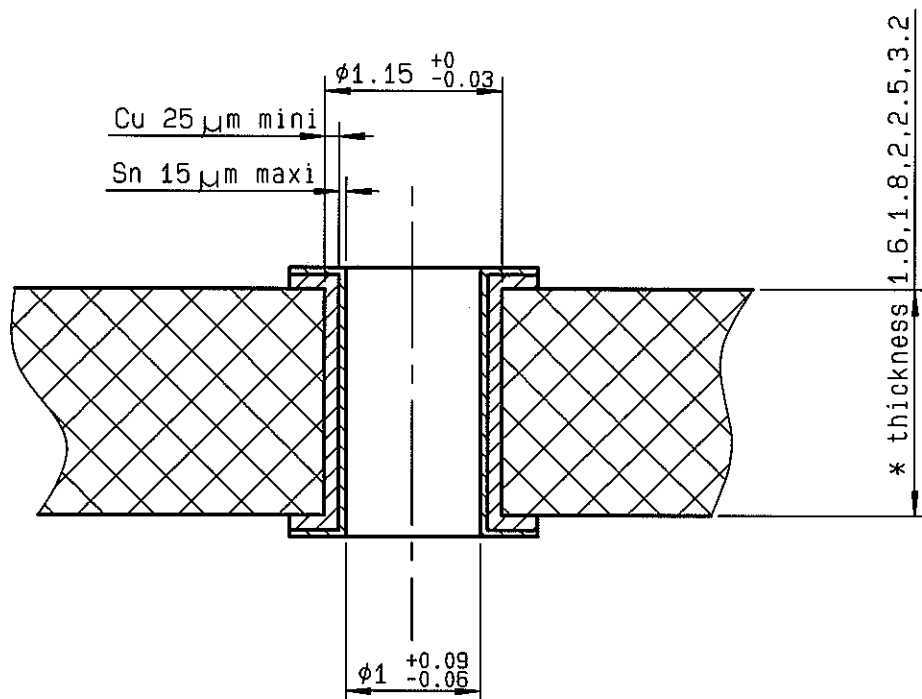


**R120.415.500**

ISSUE 0540B

SERIES T1.0-2.3

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	$\phi 1.15 \text{ } 0/-0.03$
COPPER	$> 25 \mu\text{m}$
TIN	$< 15 \mu\text{m}$
FINAL DIAMETER	$\phi 1 \text{ } +0.09/-0.06$



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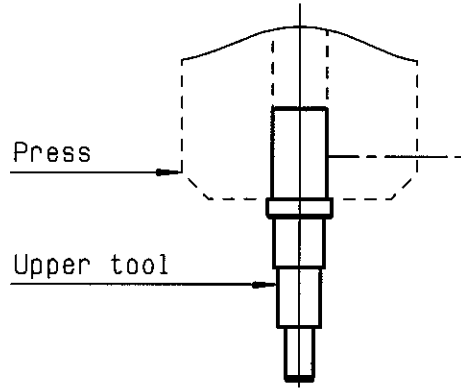
**R120.415.500**

ISSUE 0540B

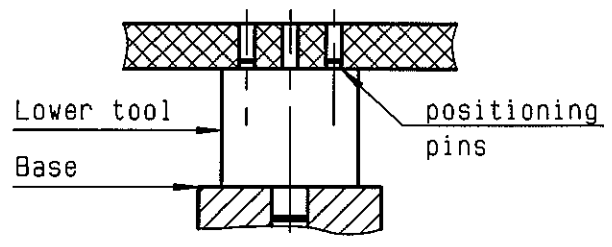
SERIES T1.0-2.3

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

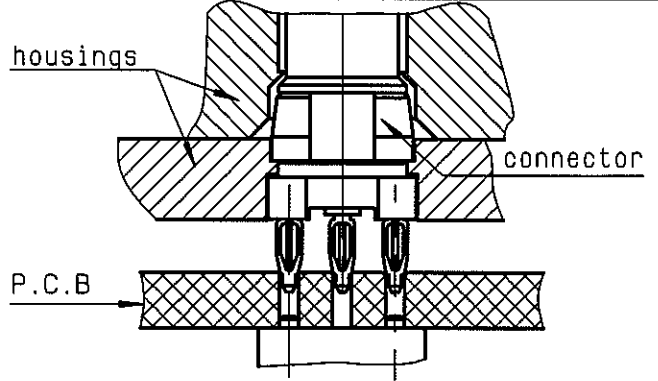
① Slide the upper tool (R282.878.177) into the machine (press).  
-  
-  
-



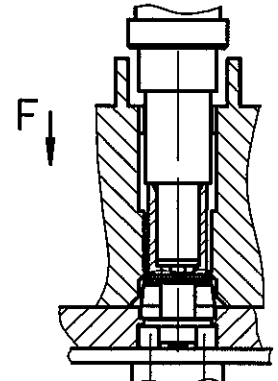
② Slide the lower tool (R282.878.180) into the base and place correctly the PCB on this tool .(positioning pins)  
-  
-  
-



③ Place correctly the straight connector(s) 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 by connector) until total insertion .(in direction F) (Push connector body until the Lower housing against PCB) .  
Remove the assembly(connector(s)+housings +PCB) .



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