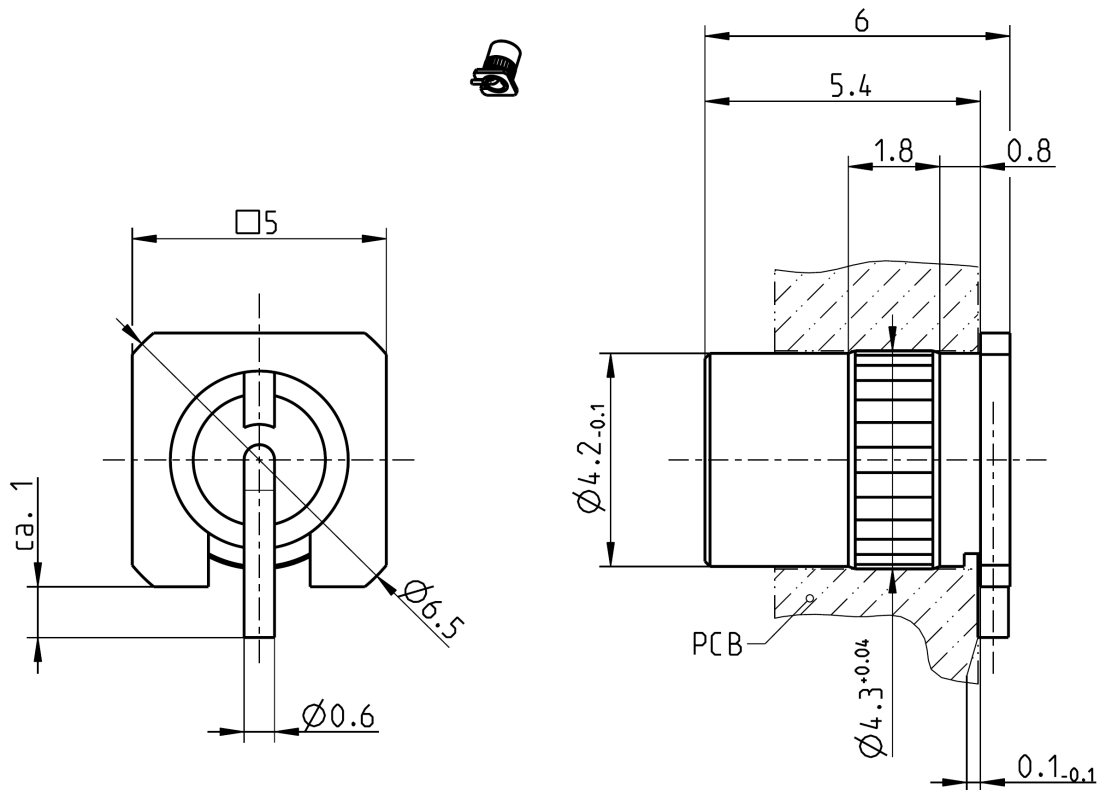




All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to

MIL-STD-348A, Fig. 326

Documents

PCB layout

B 229

Material and plating

Connector parts

Center contact

Outer contact

Dielectric

Material

Brass

Brass

PTFE

Plating

AuroDur®, gold plated

AuroDur®, gold plated

Technical Data Sheet

Rosenberger

SMP**STRAIGHT PLUG PCB
LIMITED DETENT****19S10A-40ML5**

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB @ DC to 6 GHz ≥ 21 dB @ 6 GHz to 12 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f \text{ [GHz]}}$ dB @ DC to 12 GHz
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 6.0 m Ω
Outer contact resistance	≤ 2.0 m Ω
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	≤ 1.2 A DC

- VSWR in application depends decisive on PCB layout

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 7 N
Engagement force	
- Limited detent	≤ 45 N
Disengagement force	
- Limited detent	≥ 9 N

Environmental data

Temperature range	-65 °C to +155 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	200 pcs in blister
Weight	0.5 g/pce

Draft

Date

Approved

Date

A. König

05/02/07

Christian Janßen

19.10.10

Rev.

Engineering change number

Name

Date

100

10-0003

Christian Janßen

19.10.10

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