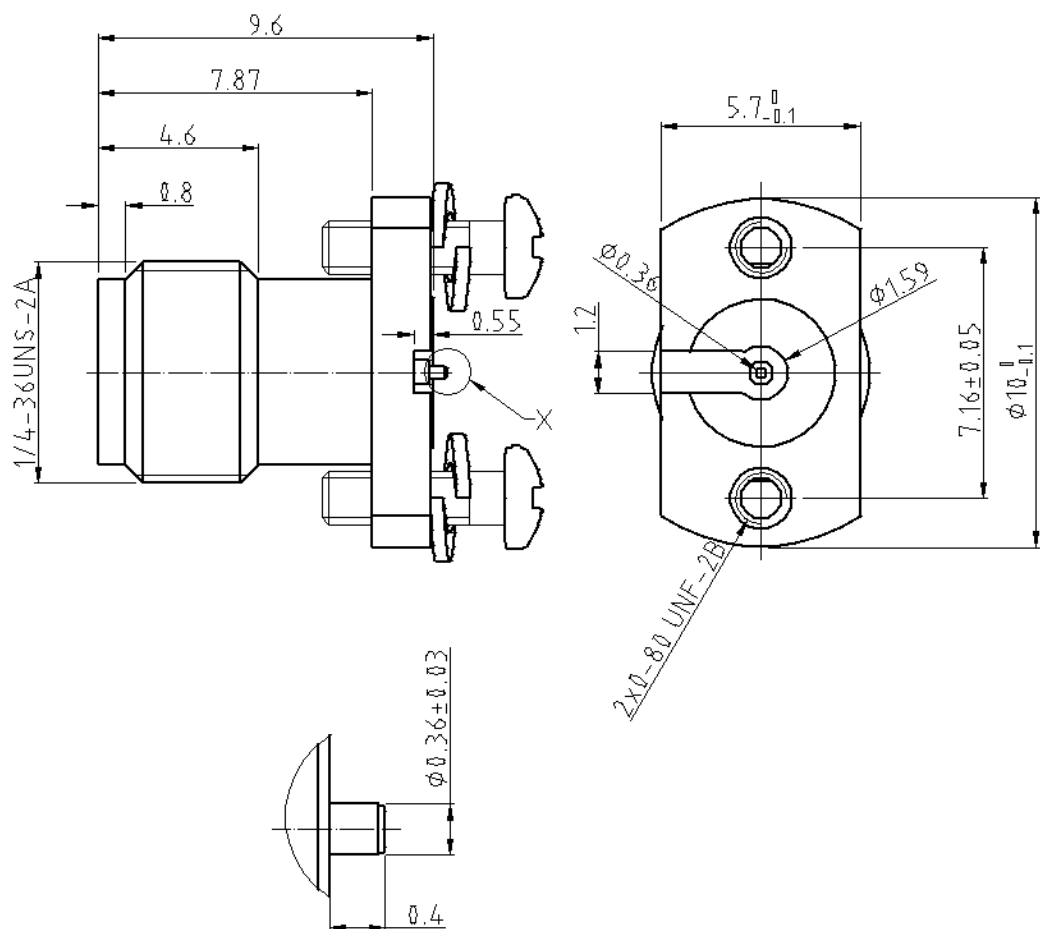


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Technical Data Sheet		Rosenberger
RPC 2.92	Straight Jack PCB Solderless compression	R02K709-500S3



DETAIL X

All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to
Mechanically compatible with

IEC 61169-35
RPC-3.50 and SMA

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Screw

Material

CuBe
Stainless steel
PEEK
Stainless steel

Plating

AuroDur®, gold plated
Passivated
Passivated

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Technical Data Sheet					Rosenberger					
RPC 2.92		Straight Jack PCB Solderless compression			R02K709-500S3					
Electrical data										
Impedance		50 Ω								
Frequency		DC to 40 GHz								
Return loss		≥ 17 dB								
Insertion loss		≤ 0.06 dB								
Insulation resistance		≥ 5 x10 ³ MΩ								
Center contact resistance		≤ 3.0 mΩ								
Outer contact resistance		≤ 2.0 mΩ								
Test voltage		750 V rms								
Working voltage		250 V rms								
RF-leakage		≥100 dB up to 1 GHz								
Mechanical data										
Mating cycles		≥ 500								
Center contact captivation		axial: ≥ 20 N								
		radial: ≥ 1 Ncm								
Coupling test torque		≤ 1.7 Nm								
Recommended torque		0.8 Nm to 1.1 Nm								
Environmental data										
Temperature range		-45°C to +125°C								
Thermal shock		MIL-STD-202, Method 107, Condition B								
Corrosion resistance		MIL-STD-202, Method 101, Condition B								
Vibration		MIL-STD-202, Method 204, Condition D								
Shock		MIL-STD-202, Method 213, Condition I								
Moisture resistance		MIL-STD-202, Method 106,								
RoHS		compliant								
Accessories										
		N/A								
Tooling										
		N/A								
Packing										
Weight		2 g/pce								
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Draft	Date	Checked	Approved	Date	Rev.	Engineering change number	Name	Date		
zoufh	17.06.20	xibinhong	heanyang	17.06.20	100	/	zoufh	17.06.20		
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