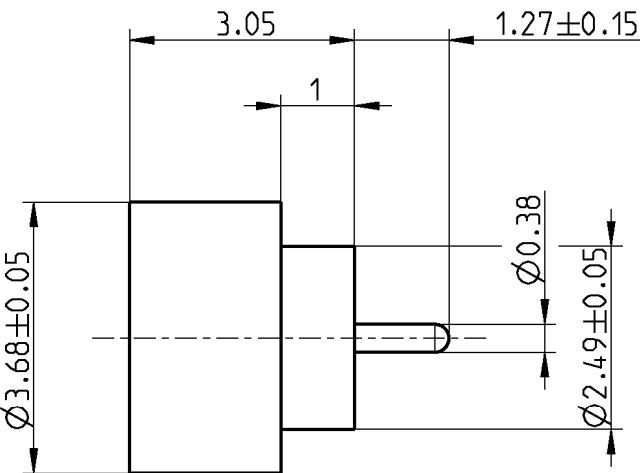




All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface
According to MIL-STD-348

Documents
Assembly instruction 19 G

Material and plating		
Connector parts	Material	Plating
Center contact	Kovar per ASTM F 15-78	Gold, min. 0.8 µm, over chemical nickel
Outer contact	Kovar per ASTM F 15-78	Gold, min. 0.8 µm, over chemical nickel
Dielectric	Corning 7070 glass	

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 23 dB, DC to 18 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB, DC to 18 GHz
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 6.0 m Ω
Outer contact resistance	≤ 2.0 m Ω
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

Mechanical data

Mating cycles	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- full detent	68 N max.
Disengagement force	
- full detent	22 N min.

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
Soldering temperature	250°C max.
Leakage rate	$\leq 10^{-8}$ mbar x l/s
Pressure	2 N/mm ² max.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 0.09 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauser	15/02/05	J_Krautenbacher	15.07.16	e00	15-1629	I_Wallner	15.07.16

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