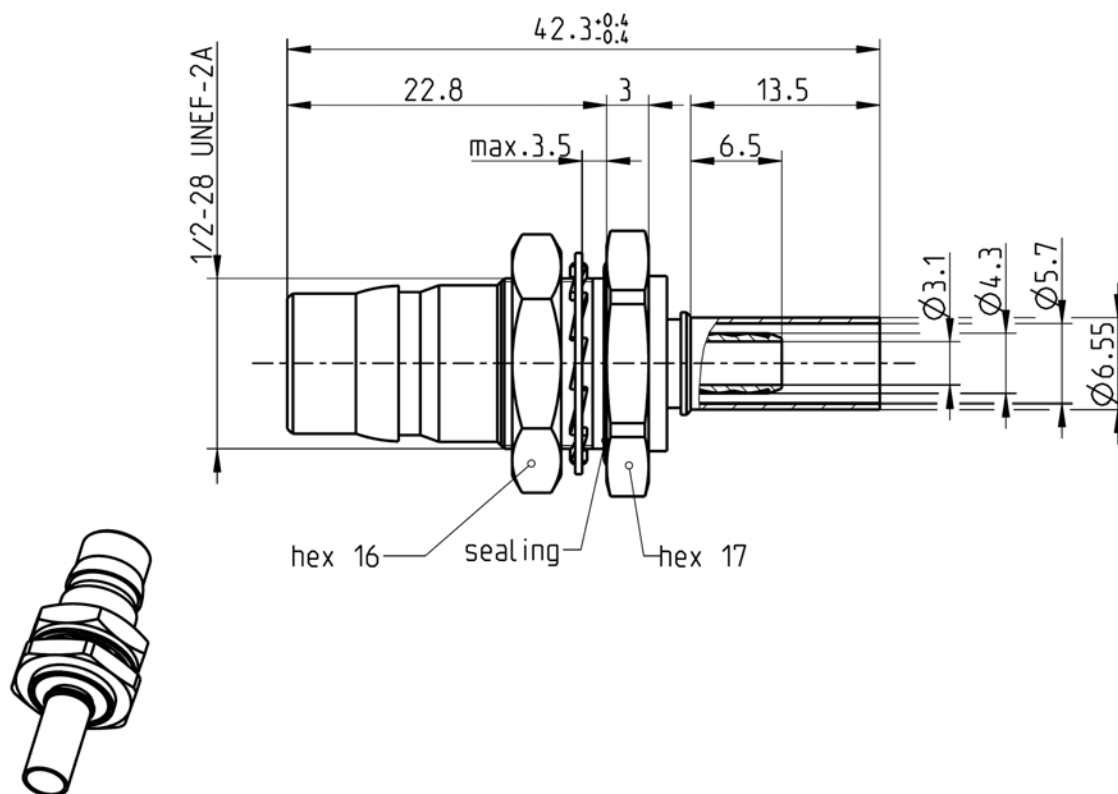


QN

BULKHEAD JACK

153QK607-108N5

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

Interface

According to

153QK000-000, DCA-00067752

Documents

Assembly instruction

53 P

Panel piercing

B 185

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Gasket
Crimping ferrule

Material

Spring bronze
Brass
Brass
PTFE
Silicone
Copper

Plating

Gold, min. 0.15 µm, over chemical nickel
White bronze(e.g. Optalloy®)
White bronze(e.g. Optalloy®)

Flash white bronze over silver(e.g. Optargen®)

Electrical data

Impedance	50 Ω
Frequency	DC to 11 GHz
Return loss	≥ 25 dB, DC to 2,5 GHz ≥ 20 dB, 2,5 to 6 GHz
Insertion loss	≤ 0.05 dB x $\sqrt{f}$ [GHz]
Insulation resistance	$\geq 5 \times 10^3$ M Ω
Center contact resistance	≤ 1.5 m Ω
Outer contact resistance	≤ 1.5 m Ω
Test voltage	2500 V rms
Working voltage	1000 V rms
RF-leakage	≤ -90 dB @ 3 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 100
Engagement force	30 N (typ.)
Disengagement force	30 N (typ.)

Environmental data

Temperature range	-40°C to +125°C
Thermal shock	MIL-STD-202, Meth. 107 D, Cond. B
Corrosion	MIL-STD-202, Meth. 101 D, Cond. B
Vibration	MIL-STD-202, Meth. 204 D, Cond. A
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106 F
Degree of protection (mated pair)	IEC 60529, IP68 0.3 bar (interface only)
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-208

Suitable cables

RG 142, RG 223, RG 400

Weight

Weight	21 g/pce
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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
A. Fellner	27/04/06	Sa. Krautenbacher	11.03.14	c00	14-0352	T. Krojer	11.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2