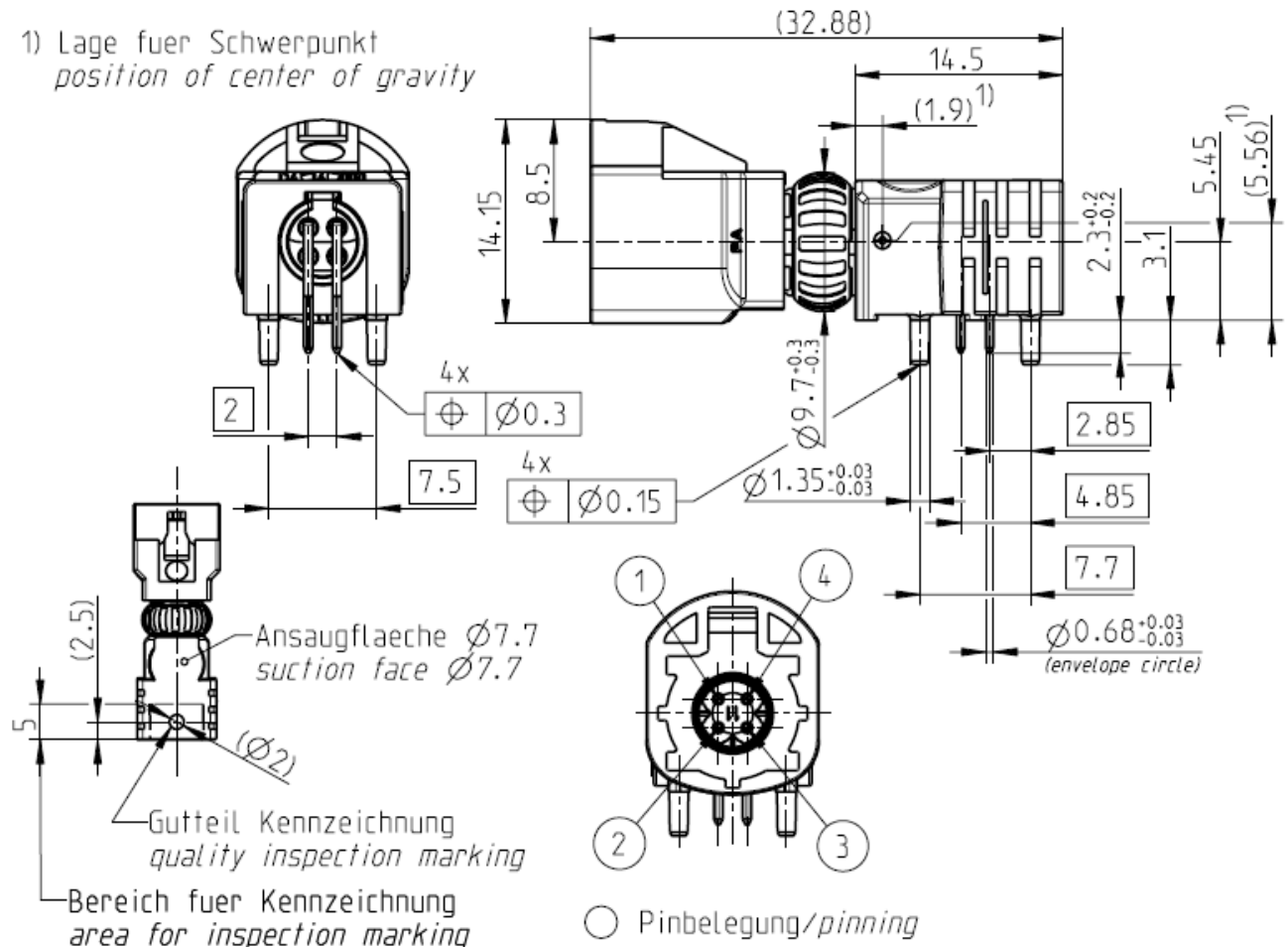




All dimensions are in mm; tolerances according to ISO 2768 m-H
EMC-screening must be assured by chassis compartment. Control box manufacturer is responsible for EMC-screening.

Interface

According to RN 059-01

Documents

PCB layout	MB_322
Pinning instruction	RN 053-01
Test specification	RN 061-01
Tube magazine packing	VM06.01900 (b)

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RF_35/05.10/6.0

Technical Data Sheet		Rosenberger
Rosenberger HSD®	RIGHT ANGLE PLUG FOR PCB	D4S20Y-400A5-Y
Material and plating Connector parts Center contact Outer contact (Interface) Outer contact (PCB) Dielectric Housing Spring washer Material Spring bronze Brass Zinc alloy LCP PA6T/10 Spring bronze Plating Gold, 0.15 µm (Interface) Tin, 0.5-2 µm (PCB) Nickel, 3-6 µm Tin, 2-5 µm over Nickel 1-5µm Nickel, 2.5-5 µm		
Electrical data Impedance, differential mode Frequency Return loss Insertion loss Skew (between signal contacts) Nearend-Crosstalk Farend-Crosstalk Insulation resistance Signal contact resistance Outer contact resistance Test voltage Working voltage Power current RF-leakage (shielding effectiveness) 100 Ω differential signalling, for one pair or quad cable shielded DC to 2.0 GHz ≥ 20 dB to 1.0 GHz ≥ 17 dB to 2.0 GHz ≤ 0.1 dB @ 1.0 GHz ≤ 5 psec. ≤ 30 dB ≤ 35 dB ≥ 1x10³ MΩ ≤ 10 mΩ ≤ 7.5 mΩ 250 V rms 100 V rms ≤ 1.5 A DC ≥ 75 dB up to 1 GHz (IEC 62153-4-7) ≥ 65 dB up to 2 GHz (IEC 62153-4-7)		
Mechanical data Mating cycles Engagement force Disengagement force Retention force latch Coding efficiency ≥ 25 ≤ 30 N ≥ 5 N ≥ 110 N ≥ 80 N		
Environmental data Temperature range Thermal shock Temperature and humidity Vibration (Random) Mechanical Shock High-Temp. Exposure Soldering profile RoHS -40°C to +105°C DIN IEC 60068-2-14 Test NA USCar 2 – 4 5.6.2 DIN IEC 60068-2-64 DIN IEC 60068-2-27 DIN IEC 60068-2-2 acc. to IEC 60068-2-58; Group 3&4 compliant		
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 / 3

Technical Data Sheet

Rosenberger

Rosenberger
HSD®

RIGHT ANGLE PLUG
FOR PCB

D4S20Y-400A5-Y

Packing

Standard

19 pcs in tube / 950pcs in box (5 x 19 tubes per box)

Weight

7.9 g/ pce

Coding

Part Number has to be accomplished by codification

Coding	Plug	Color	RAL	Part-Number
A		black	sim. 9005	D4S20Y-400A5-A
B		white	sim. 9001	D4S20Y-400A5-B
C		blue	sim. 5005	D4S20Y-400A5-C
D		bordeaux	sim. 4004	D4S20Y-400A5-D
E		green	sim. 6002	D4S20Y-400A5-E
F		brown	sim. 8011	D4S20Y-400A5-F
Z		water blue	sim. 5021	D4S20Y-400A5-Z

Change History

Rev.	Date	Change
b00	14.05.13	tube magazine packing VM06.0200 → VM06_01900

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
R. Bippus	29.03.11	A. Bippus	23.06.14	b00	14-0880	T. Pscheiden	23.06.14
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 3 / 3