

All dimensions are in mm;

Interface

According to

RN_121-04

Documents

- Panel piercing
- Pinning instruction
- Tape & reel packaging
- Test specification

- MB_725
- RN_143-04
- TBD
- TBD

Preliminary

Material and plating

Connector parts

- Inner contact
- Outer contact
- Screening shield
- Dielectric
- Housing

Material

- Brass
- Zinc Alloy
- Bronze
- LCP
- HTN

Plating

- Gold, min. 0.15µm, over chemical nickel
- Tin, min. 2µm, over Ni
- Tin, min. 3µm, over Ni

Electrical data

Impedance	100 Ω
Frequency	DC to 1 GHz
Return loss	≥ 30 dB, DC to 1 GHz
	TBD, DC to 15 GHz
Skew	≤ 5 ps
Insulation resistance	≥ 1 x10 ³ MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Test voltage (at sea level)	250 V rms
Working voltage (at sea level)	100 V rms
Power current	≤ 1,5 A DC
RF-leakage	TBD

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ TBD
Disengagement force	≥ TBD
Retention force latch	≥ 110 N
Coding efficiency	≥ 150 N

Environmental data

Temperature range	- 40°C to +105°C
Thermal shock	DIN IEC 60068-2-14
Humidity	DIN EN 60068-2-30 @ +40°C
Dry heat	DIN EN 60068-2-2 @ +105°C
Vibration	DIN IEC 60068-2-64 Class 1
Mechanical Shock	DIN IEC 60068-2-27 Class 1
Soldering profile	acc. to IEC 60068-2-58; Group 3 (250°C/ 30 sec)

Packing

Standard	TBD
Weight	20g/pcs

Preliminary















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RF_35/09;14/6.2

Coding

Part Number has to be accomplished by codification

Preliminary

Coding	Plug	Colour	RAL	Part-Number
A		jet black	sim. 9005	E6S204-40MT5-A
B		pure white	sim. 9010	E6S204-40MT5-B
C*		light blue	sim. 5012	E6S204-40MT5-C
D*		claret violet	sim. 4004	E6S204-40MT5-D
E*		may green	sim. 6017	E6S204-40MT5-E
F*		nut brown	sim. 8011	E6S204-40MT5-F
G*		platinum grey	sim. 7036	E6S204-40MT5-G
H*		light pink	sim. 3015	E6S204-40MT5-H
J*		beige	sim. 1001	E6S204-40MT5-J
K*		curry	sim. 1027	E6S204-40MT5-K
L*		yellow green	sim. 6018	E6S204-40MT5-L
M*		pastel orange	sim. 2003	E6S204-40MT5-M
O*		light green	sim. 6027	E6S204-40MT5-O
Z		water blue	sim. 5021	E6S204-40MT5-Z

* Coding on request

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
J. Schmid	18.04.2017	J. Schmid	17.12.2018	200	18-m772	T. Stockhammer	17.12.2018

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de		Page 3 / 3	
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