

All dimensions are in mm

Interface

According to TBD

Documents

Panel piercing MB_653
Test specification TBD

Material and plating

Connector parts

Inner contact	Brass
Outer contact	Zinc Alloy
Dielectric	LCP
Housing	HTN

Plating

Gold, min. 0.15 μ m, over chemical nickel
Tin, 2 - 4 μ m, over Ni

Preliminary

Electrical data

Impedance	100 Ω
Frequency	DC to 1 GHz
Return loss	≥ 30 dB, DC to 1 GHz
	TBD, DC to 15 GHz
Skew	TBD
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

-Connector only, VSWR in application depends decisive on PCB layout -

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	30g/pce

Preliminary


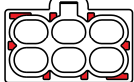
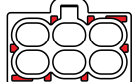
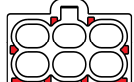
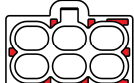
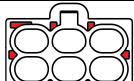
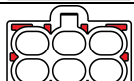
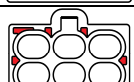
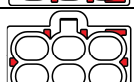
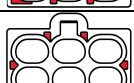
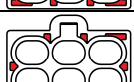

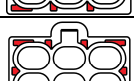
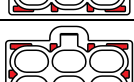
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RF_35/09;14/6.2

Preliminary

Coding

Part Number has to be accomplished by codification

Coding	Jack	Colour	RAL	Part-Number
A		black	sim. 9005	E6S206-40MT5-A
B*		white	sim. 9010	E6S206-40MT5-B
C*		blue	sim. 5012	E6S206-40MT5-C
D*		bordeauxviolet	sim. 4004	E6S206-40MT5-D
E*		green	sim. 6017	E6S206-40MT5-E
F*		brown	sim. 8011	E6S206-40MT5-F
G*		grey	sim. 7036	E6S206-40MT5-G
H*		light pink	sim. 3015	E6S206-40MT5-H
J*		beige	sim. 1001	E6S206-40MT5-J
K*		curry	sim. 1027	E6S206-40MT5-K
L*		yellow green	sim. 6018	E6S206-40MT5-L
M*		pastel orange	sim. 2003	E6S206-40MT5-M
O*		light green	sim. 6027	E6S206-40MT5-O
Z		waterblue	sim. 5021	E6S206-40MT5-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	06.09.2017	200	17-m508	T. Stockhammer	06.09.2017