

All dimensions are in mm

Documents

Interface	RN_128-01
Panel piercing	MB_879
Pinning	RN_143-01
Tape & reel packaging	VG466.14000

Material and plating

Connector parts

Inner contact	Material	Plating / Colour
Outer contact	Brass	Gold, 0.12 μm , over Nickel
Housing	Bronze	Tin, min. 1.5 μm
	HTN	see section "Coding"

Preliminary

Electrical data

Impedance	100 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB, 0,01 GHz to 3 GHz ≥ 25 dB, 3 GHz to 6 GHz ≥ 20 dB, 6 GHz to 10 GHz
Insulation resistance	≥ 100 MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Working voltage (at sea level)	≤ 60 V DC
Power current	≤ 1,5 A DC

Connector only, electrical data in application depends decisively on PCB layout

Mechanical data

Mating cycles	min. 5
Engagement force	≤ 40 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 80 N
Weight	3.7 g

Environmental data

Temperature range	-40 °C to +125 °C
Thermal shock	DIN EN 60068-2-14
Humidity	DIN EN 60068-2-30 @ +40 °C
Dry heat	DIN EN 60068-2-2 @ +125 °C
Vibration	DIN EN 60068-2-64 Class 2
Mechanical shock	DIN EN 60068-2-27 Class 2
Water resistant	LV 214 / sim. DIN EN 60529 IPX7M/IPX9
Soldering profile	DIN EN 60068-2-58; Group 3 (250 °C / 30 sec.)
RoHS	compliant















Packing

Standard	140 pcs in tape & reel
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Preliminary

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		Jet black	sim. 9005	E6S147-40MT5-A
B*		Pure white	sim. 9010	E6S147-40MT5-B
C*		Light blue	sim. 5012	E6S147-40MT5-C
D*		Claret violet	sim. 4004	E6S147-40MT5-D
E*		May green	sim. 6017	E6S147-40MT5-E
F*		Nut brown	sim. 8011	E6S147-40MT5-F
G*		Platinum grey	sim. 7036	E6S147-40MT5-G
H*		Light pink	sim. 3015	E6S147-40MT5-H
J*		Beige	sim. 1001	E6S147-40MT5-J
K*		Curry	sim. 1027	E6S147-40MT5-K
L*		Yellow green	sim. 6018	E6S147-40MT5-L
M*		Pastel orange	sim. 2003	E6S147-40MT5-M
O*		Light green	sim. 6027	E6S147-40MT5-O
Z*		Water blue	sim. 5021	E6S147-40MT5-Z

* Coding on request

Preliminary

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
Ch. Wagner	12.02.2019	Ch. Wagner	23.11.2020	300	20-2378	L. Starzer	23.11.2020

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