Electrical data

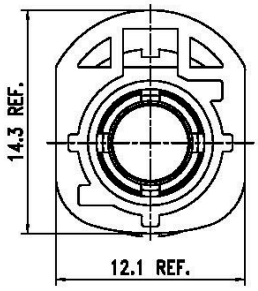
Impedance, differential mode	100 Ω
Frequency	DC to 2.0 GHz
Return loss	≥ 20 dB to 1.0GHz
Insertion loss	≤ 0.3 dB @ 1.0GHz
Skew (between signal contacts)	≤ 5 psec
Nearend-Crosstalk	≤ 30 dB
Farend-Crosstalk	≤ 35 dB
Insulation resistance	≥ $1x10^3$ MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Test voltage	250 V rms
Working voltage	100 V rms

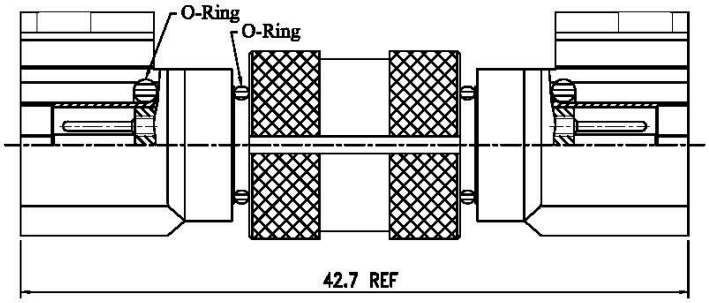
Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 30N
Disengagement force	≥ 5N
Retention force latch	≥ 110N
Coding efficiency	≥ 80N

Environmental data

Temperature range	- 40°C to +105°C





RoHS COMPLIANT

NO.	DESCRIPTION	MATERIAL	Q' TY	FINISH
8.	O-Ring	Silicone	2	Red
7.	O-Ring	Silicone	2	Red
6.	Housing	PA66	2	Water Blue
5.	Insulation	PA66	2	None
4.	Pin	Phosphor bronze	4	Gold
3.	Pin	Phosphor bronze	4	Gold
2.	Body	Brass	2	Nickel
1.	Body	Brass	1	Nickel

DRAWN	SCALE		UNITS	
Kelly	3:1		mm	
CHECKED	TOLERANCE		TITLE	HSD-NEUP-NEUP
Peter	.X	±0.2		
APPROVAL	.XX	±0.1	REV.	CAD FILE
Peter	.XXX	±0.05	A	
	ANGLE	±0.5°		