

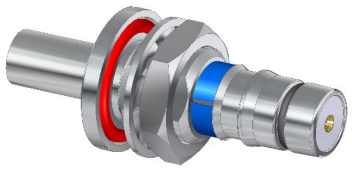
**PRODUCT DATA SHEET**

**Part Number:** 5123.QLS.2X10.055

**Description:** QLS(f)-Cable mount jack

**Design according to:** Standard (Norm)

**Electrical characteristics:**

	Value	Unit	Picture
Operating frequency up to	<b>18</b>	[GHz]	
Impedance (MIL - C -39012B)	<b>50</b>	[Ω]	
Return loss measured with cable typ:	<b>RG -316D</b>	-	
1 GHz	<b>&gt; 31</b>	[dB]	
2 GHz	<b>&gt; 30</b>	[dB]	
4 GHz	<b>&gt; 21</b>	[dB]	
6 GHz	<b>&gt; 17</b>	[dB]	
10 GHz	<b>&gt; 17</b>	[dB]	
18 GHz	<b>&gt; 16</b>	[dB]	
3rd. Order PIM product 2x43dBm	-	[dBc]	
Insulation resistance	<b>≥ 10</b>	[GΩ]	
Contact resistance			
Centre contact	<b>≤ 3</b>	[mΩ]	
Outer contact	<b>≤ 2,5</b>	[mΩ]	
Contact current max. (DC)	<b>1,4</b>	[A]	
Operating voltage	<b>&lt; 335</b>	[Veff]	
Proof voltage	<b>1000</b>	[Veff]	

**Mechanical characteristics:**

	Value	Unit	Remarks
Mating cycles	<b>&gt; 200</b>		
Water resistance	<b>IP67</b>		in mated condition

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**Material & plating:**

	RoHS (2002/95/EC) conform	
	Material	Plating
Housing	Brass	Cu + 2-4µm CuZnSn
Centre contact	Bronze	Ni-P + 0,15µm Au
Nut	Brass	Cu + 2-4µm CuZnSn
Crimp ferrule	Copper	Cu + 2-4µm CuZnSn
Insulator	PTFE	-
Gasket	Silicon rubber	-

**Environmental influences:**

Operating temperature range	-40°C up to +85°C Standard	Remarks
Climatic sequence: 1. Dry heat 2. Damp heat, cyclic, 1 cycle 3. Cold 4. Damp heat, cyclic, 6 cycles	IEC 60068-2-61 IEC 60068-2-2-Ba IEC 60068-2-30-Db IEC 60068-2-1-Aa IEC 60068-2-30-Db	
Solder profile:	-	

**Notes**

**Update History**

Rev.	Date	Alteration	Signature

Formblatt-Nr.: Form-TK-012b	
Rev.	02
Released	21.jún.13