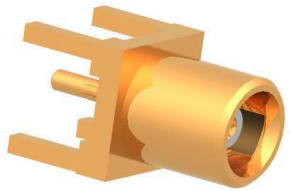


# Product data sheet

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<b>Part Number: 1725.01.2510.001-b</b> <b>Description: p.c.b. mount jack</b>		<b>Revision: c</b> <b>Date: 14.07.1996</b> <b>Signature: R.Schwär</b> <b>Page: 1 of 2</b>	
<b>Design according to:</b>		<b>IEC 1169-36 (Type MCX)</b>	
<b>Electrical characteristics:</b>		<div style="background-color: #e0ffe0; padding: 2px; font-size: small;">colored value means: still under test target value</div>	
	Value	Unit	Picture
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	
Operating frequency up to	<b>DC...6</b>	[GHz]	
Return loss	-	-	
1 GHz	<b>32</b>	[dB]	
2 GHz	<b>26</b>	[dB]	
4 GHz	<b>19</b>	[dB]	
6 GHz	<b>13</b>	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	<b>1</b>	[GΩ]	
Contact resistance			
Centre contact	<b>5</b>	[mΩ]	
Outer contact	<b>1</b>	[mΩ]	
Contact current max. (DC)	<b>1,5</b>	[A]	
Operating voltage	<b>250</b>	[V]	
Proof voltage	<b>500</b>	[V]	
		Remarks	
		at 910MHz / at 1870 MHz	
<b>Mechanical characteristics:</b>		Value	Unit
Engagement force	<b>5-12</b>	[N]	Remarks
Separating force	<b>10-20</b>	[N]	
Mating cycles	<b>500</b>		

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<b>Part Number:</b> 1725.01.2510.001-b	<b>Revision:</b> c
<b>Description:</b> p.c.b. mount jack	<b>Date:</b> 14.07.1996
	<b>Signature:</b> R.Schwär
	<b>Page:</b> 2 of 2

<u>Material &amp; plating:</u>	RoHS (2002/95/EC) conform	
	Material	Plating
Outer contact	<b>Brass</b>	<b>Cu + Ni + 0,8µm Au</b>
Centre contact	<b>Copper beryllium</b>	<b>2-4µm Cu + 1,3µm Au</b>
Crimp ferrule	-	-
Other metal parts	-	-
Insulator	<b>SPS</b>	-
Gasket	-	-

<u>Environmental influences:</u>		Remarks
Operating temperature range	-55°C up to +125°C Standard	
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	

**Notes:**

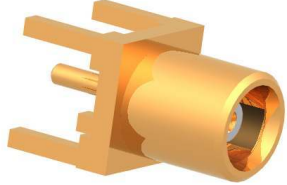
<u>Update historie</u>			
Rev.	Date	Alteration	Signature
a	18.01.2008	Revised	<b>R.Schwär</b>

Formblatt-Nr.: Form-TK-012b	
Rev.	01
Released	17. Aug 07

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<b>Part Number: 1725.01.2510.003-b</b> <b>Description: p.c.b. mount jack</b>		<b>Revision: a</b> <b>Date: 10.10.2007</b> <b>Signature: R.Schwär</b> <b>Page: 1 of 2</b>	
<b>Design according to:</b>		<b>IEC 1169-36 (Type MCX)</b>	
<b>Electrical characteristics:</b>		<div style="background-color: #e0ffe0; padding: 2px; font-size: small;">colored value means: still under test target value</div>	
	Value	Unit	Picture
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	
Operating frequency up to	<b>DC...6</b>	[GHz]	
Return loss	-	-	
1 GHz	<b>32</b>	[dB]	
2 GHz	<b>26</b>	[dB]	
4 GHz	<b>19</b>	[dB]	
6 GHz	<b>13</b>	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	<b>1</b>	[GΩ]	
Contact resistance			
Centre contact	<b>5</b>	[mΩ]	
Outer contact	<b>1</b>	[mΩ]	
Contact current max. (DC)	<b>1,5</b>	[A]	
Operating voltage	<b>250</b>	[V]	
Proof voltage	<b>500</b>	[V]	
		Remarks	
		at 910MHz / at 1870 MHz	
<b>Mechanical characteristics:</b>		Value	Unit
Engagement force	<b>5-12</b>	[N]	Remarks
Separating force	<b>10-20</b>	[N]	
Mating cycles	<b>500</b>		

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<b>Part Number:</b> 1725.01.2510.003-b	Revision: <b>a</b>
<b>Description:</b> p.c.b. mount jack	Date: <b>10.10.2007</b>
	Signature: <b>R.Schwär</b>
	Page: 2 of 2

<u>Material &amp; plating:</u>	RoHS (2002/95/EC) conform	
	Material	Plating
Outer contact	<b>Brass</b>	<b>Ni-P + 0,15µm Au</b>
Centre contact	<b>Copper beryllium</b>	<b>Min. 1,3µm Au over 2-4µm Cu</b>
Crimp ferrule	-	-
Other metal parts	-	-
Insulator	<b>SPS</b>	-
Gasket	-	-

<u>Environmental influences:</u>		Remarks
Operating temperature range	-55°C up to +125°C Standard	
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	

**Notes:**

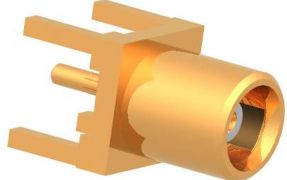
<u>Update historie</u>			
Rev.	Date	Alteration	Signature
a	18.01.2008	Revised	<b>R.Schwär</b>

Formblatt-Nr.: Form-TK-012b	
Rev.	01
Released	17. Aug 07

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<b>Part Number: 1725.01.2510.005-b</b> <b>Description: p.c.b. mount jack</b>		<b>Revision: a</b> <b>Date: 02.10.2007</b> <b>Signature: R.Schwär</b> <b>Page: 1 of 2</b>	
<b>Design according to:</b>		<b>IEC 1169-36 (Type MCX)</b>	
<b>Electrical characteristics:</b>		<div style="background-color: #e0ffe0; padding: 2px; font-size: small;">colored value means: still under test target value</div>	
	Value	Unit	Picture
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	
Operating frequency up to	<b>DC...6</b>	[GHz]	
Return loss	-	-	
1 GHz	<b>32</b>	[dB]	
2 GHz	<b>26</b>	[dB]	
4 GHz	<b>19</b>	[dB]	
6 GHz	<b>13</b>	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	<b>1</b>	[GΩ]	
Contact resistance			
Centre contact	<b>5</b>	[mΩ]	
Outer contact	<b>1</b>	[mΩ]	
Contact current max. (DC)	<b>1,5</b>	[A]	
Operating voltage	<b>250</b>	[V]	
Proof voltage	<b>500</b>	[V]	
		Remarks	
		at 910MHz / at 1870 MHz	
<b>Mechanical characteristics:</b>		Value	Unit
Engagement force	<b>5-12</b>	[N]	Remarks
Separating force	<b>10-20</b>	[N]	
Mating cycles	<b>500</b>		

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<b>Part Number:</b> 1725.01.2510.005-b	<b>Revision:</b> a
<b>Description:</b> p.c.b. mount jack	<b>Date:</b> 02.10.2007
	<b>Signature:</b> R.Schwär
	<b>Page:</b> 2 of 2

<u>Material &amp; plating:</u>	RoHS (2002/95/EC) conform	
	Material	Plating
Outer contact	<b>Brass</b>	<b>Cu + 2-4µm CuZnSn + Flash Au</b>
Centre contact	<b>Copper beryllium</b>	<b>Min. 1,3µm Au over 2-4µm Cu</b>
Crimp ferrule	-	-
Other metal parts	-	-
Insulator	<b>SPS</b>	-
Gasket	-	-

<u>Environmental influences:</u>		Remarks
Operating temperature range	-55°C up to +125°C Standard	
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	

**Notes:**

<u>Update historie</u>			
Rev.	Date	Alteration	Signature
a	18.01.2008	Revised	<b>R.Schwär</b>

Formblatt-Nr.: Form-TK-012b	
Rev.	01
Released	17. Aug 07