

Product Data Sheet / Produkt Datenblatt

Part Number

5497.MCA.1X20.007

Teilenummer

Description

**MCA-PCB-Anbauwinkelstecker-4-P
 MCA-PCB-Mount Angle Plug-4-pol**

Beschreibung



Design according to

view coding Z

Ausführung nach

Electrical characteristics / Elektrische Eigenschaften

		colored value means: under validation			
		Value/Wert	Unit/ Einheit		
Impedance (MIL-C-39012B)		50 ±10	[Ω]		Impedanz (MIL-C-39012B)
Operating frequency up to		20	[GHz]		Betriebsfrequenz bis zu
Return loss*					Rückflussdämpfung*
	DC - 3 GHz	≥ 20	[dB]		
	3 - 6 GHz	≥ 20	[dB]		
	6 - 9 GHz	≥ 15	[dB]		
Insertion Loss		≤ 0,1*√f (GHz)	[dB]		Einfügedämpfung
Cross Talk*	DC - 3 GHz	≥ 60	[dB]		Nebensprechen*
	3 - 6 GHz	≥ 55	[dB]		
	6 - 9 GHz	≥ 50	[dB]		
Shielding Effectiveness	DC - 3 GHz	≥ 60	[dB]		Schirmungseffizienz
	3 - 6 GHz	≥ 55	[dB]		
	6 - 9 GHz	≥ 50	[dB]		
Insulation resistance		≥ 1	[GΩ]		Isolationswiderstand
Contact resistance					Kontakt-Widerstand
Centre contact	each contact	≤ 15	[mΩ]		Innenkontakt
Outer contact	each contact	≤ 7,5	[mΩ]		Außenkontakt
Contact current max. (DC)	each contact	3	[A] DC		Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≤ 60	[V] DC		Betriebsspannung
Proof voltage		500	[Vms]		Prüfspannung

Formblatt Nr.: Form-TK-013ab Rev. 13 - Release 2020/04

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Mechanical characteristics / Mechanische Eigenschaften

	Value/ Wert	Unit/ Einheit	
Engagement force	≤ 75	[N]	Steckkraft
Separating force	≤ 60	[N]	Ziehkraft
Mating cycles	≥ 25	[-]	Steckzyklen
Retention force locked system	≥ 120	[N]	Haltekraft Steckerverriegelung
Water resistance	NA		Wasserbeständigkeit

Material & plating / Material & Oberfläche

	Material/Material	Plating/Oberflächen	
Outer contact	Brass	Sn	Außenkontakt
Centre contact	Brass / Bronze	Ag	Innenkontakt
Plastic housing	PPA / PA-GF	-	Kunststoffgehäuse
Other metal parts	GD-Zn	Sn	sonstige Metallteile
Insulator	SPS	-	Isolator

Environmental influences**

Umwelteinflüsse**

Temperature range	-40°C < T < +105°C	Temperaturbereich
Mechanical shock	IEC 60068-2-27	Mechanischer Schock
Vibration	IEC 60068-2-64 Severity 1	Vibration
Thermal change	IEC 60068-2-14	Temperaturwechsel
Damp heat, cyclic	IEC 60068-2-30	Feuchte Wärme, zyklisch
Dry heat	IEC 60068-2-2 (+105°C)	Trockene Wärme
RoHS	compliant	RoHS
Solder profile	according to JEDEC 020	Lötprofil

Notes

Aufzeichnungen

* Connector performance strongly depends on PCB type and layout
 ** meets LAH.4N0.035.K-Ver.2

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