

Product Data Sheet / Produkt Datenblatt

Part Number	5616.HTP.1X20.007	Teilenummer
Description	Anbauwinkelstecker p.c.b. mount angle plug	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)		100 ±5	[Ω]		Impedanz (MIL-C-39012B)
Operating frequency up to		10	[GHz]		Betriebsfrequenz bis zu
Return loss*	DC - 1 GHz	≥ 30	[dB]		Rückflusdämpfung*
	1 - 3 GHz	≥ 20	[dB]		
	3 - 6 GHz	≥ 20	[dB]		
	6 - 9 GHz	≥ 15	[dB]		
Insertion Loss	DC - 1 GHz	≤ 0,20	[dB]		Einfügedämpfung
	1 - 3 GHz	≤ 0,4	[dB]		
	3 - 6 GHz	≤ 0,7	[dB]		
	6 - 9 GHz	≤ 1,2	[dB]		
Shielding Effectiveness	DC - 1 GHz	≥ 70	[dB]		Schirmungseffizienz
	1 - 3 GHz	≥ 70	[dB]		
	3 - 6 GHz	≥ 60	[dB]		
	6 - 9 GHz	≥ 55	[dB]		
Data rate		20	[Gbit/sec.]		Datenrate
Insulation resistance		≥ 1	[GΩ]		Isolationswiderstand
Contact resistance					Kontakt-Widerstand
	Centre contact	≤ 15	[mΩ]		Innenkontakt
	Outer contact	≤ 7,5	[mΩ]		Außenkontakt
Operating voltage		≤ 60	[V] DC		Betriebsspannung
Proof voltage		500	[Vms]		Prüfspannung

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Mechanical characteristics / Mechanische Eigenschaften

	Value/ Wert	Unit/ Einheit	
Engagement force	≤ 30	[N]	Steckkraft
Separating force	≤ 25	[N]	Ziehkraft
Mating cycles	≥ 25	[-]	Steckzyklen
Retention force locked system	≥ 120	[N]	Haltekraft Steckerverriegelung

Material & plating / Material & Oberfläche

	Material/Material	Plating/Oberflächen	
Outer contact	Diecast	min. 2 µm Sn over Ni	Außenkontakt
Centre contact	Brass / Bronze	min. 0,12 µm Au over Ni	Innenkontakt
Plastic housing	PA-GF30	-	Kunststoffgehäuse
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

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

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