

Product Data Sheet / Produkt Datenblatt

Part Number

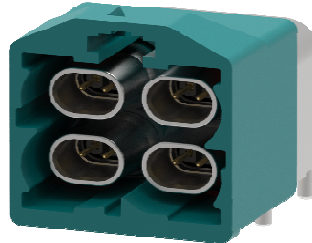
5740.HTP.1X20.007

Teilenummer

Description

Anbauwinkelbuchse
 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]	Rückflussdämpfung*
	1 - 3 GHz	≥ 21	[dB]	
	3 - 6 GHz	≥ 20	[dB]	
	6 - 10 GHz	≥ 12	[dB]	
Insertion Loss	DC - 1 GHz	≤ 0,25	[dB]	Einfügedämpfung
	1 - 3 GHz	≤ 0,35	[dB]	
	3 - 6 GHz	≤ 0,5	[dB]	
	6 - 10 GHz	≤ 0,85	[dB]	
Shielding Effectiveness	DC - 3 GHz	≥ 55	[dB]	Schirmungseffizienz
	3 - 6 GHz	≥ 50	[dB]	
	6 - 10 GHz	≥ 45	[dB]	
Crosstalk	DC - 1 GHz	≥ 80	[dB]	Übersprechen
	1 - 4 GHz	≥ 60	[dB]	
	4 - 10 GHz	≥ 50	[dB]	
Data rate		20	[Gbit/sec.]	Datenrate
Insulation resistance		≥ 1	[GΩ]	Isolationswiderstand
Contact resistance			[GΩ]	Kontakt-Widerstand
	Centre contact	≤ 15	[mΩ]	
	Outer contact	≤ 7,5	[mΩ]	Außenkontakt
Proof voltage		500	[Vms]	Prüfspannung
Operating voltage		≤ 60	[V] DC	Betriebsspannung

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Mechanical characteristics / Mechanische Eigenschaften

	Value/ Wert	Unit/ Einheit	
Engagement force	≤ 45	[N]	Steckkraft
Coding efficiency	≥ 150	[N]	Kodier Wirksamkeit
Retention force locked system	≥ 110	[N]	Haltekraft Steckerverriegelung
Mating cycles	≥ 25	[N]	Steckzyklen
Weight	14,5	[g]	Gewicht

Material & plating / Material & Oberfläche

	Material/Material	Plating/Oberflächen	
Outer contact	Diecast	min. 3 µm Sn over Ni	Außenkontakt
Centre contact	Brass / Bronze	min. 0,12 µm Au over Ni	Innenkontakt
Plastic housing	PA-GF30	-	Kunststoffgehäuse
Screening shield	Stainless steel	-	Abschirmung
Insulator	LCP	-	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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