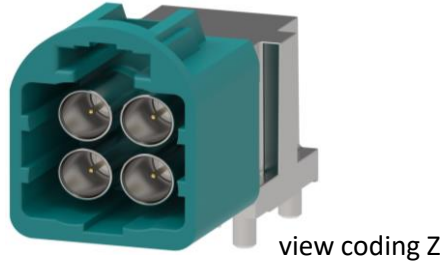


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<b>Part Number</b>	<b>5600.MCAH.1X20.007</b>	<b>Teilenummer</b>
<b>Description</b>	<b>MCAH-PCB-Anbauwinkelstecker 4-Pol MCAH-PCB-Mount Angle Plug 4-pol</b>	<b>Beschreibung</b>
<b>Design according to</b>	<b>888-U-004-2-Z02_A</b>	<b>Ausführung nach</b>



**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		15	[GHz]		Betriebsfrequenz bis zu
Return loss*	DC - 3 GHz	≥ 23	[dB]		Rückflussdämpfung*
	3 - 6 GHz	≥ 20	[dB]		
	6 - 9 GHz	≥ 12	[dB]		
	9 - 15 GHz	tbd.	[dB]		
Insertion Loss		≤ 0,1 * √f (GHz)	[dB]		Einfügedämpfung
Cross Talk*	DC - 3 GHz	≥ 65	[dB]		Nebensprechen*
	3 - 6 GHz	≥ 60	[dB]		
	6 - 9 GHz	≥ 55	[dB]		
	9 - 15 GHz	tbd.	[dB]		
Shielding Effectiveness	DC - 3 GHz	≥ 60	[dB]		Schirmungseffizienz
	3 - 6 GHz	≥ 55	[dB]		
	6 - 9 GHz	≥ 50	[dB]		
	9 - 15 GHz	tbd.	[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

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**Product Data Sheet / Produkt Datenblatt - PRELIMINARY -**

<b>Part Number</b>	<b>5600.MCAH.1X20.007</b>	<b>Teilenummer</b>
<b>Description</b>	<b>MCAH-PCB-Anbauwinkelstecker 4-Pol MCAH-PCB-Mount Angle Plug 4-pol</b>	<b>Beschreibung</b>

**Mechanical characteristics / Mechanische Eigenschaften**

	Value/ Wert	Unit/ Einheit	
Engagement force	≤ 75	[N]	Steckkraft
Separating force	≥ 5 / ≤ 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	Bronze	Sn	Außenkontakt
Centre contact	Bronze	Au	Innenkontakt
Plastic housing	PA-GF	-	Kunststoffgehäuse
Other metal parts	GD-Zn	Sn	sonstige Metallteile
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
- \* Meet USCAR-49 requirements

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While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.