



RJ45 ETHERNET, USB, HDMI, AND DISPLAY PORT Introduction and Technical Reference



HDMI performance specifications for MIL-DTL-D38999

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HDMI 2.0 Performance Specifications	
Property	MIL-DTL-38999 Series III Type
Material and Finish	
Shell/Coupling and Plating	Complete list of options available in the Material and Finish Options portion of this section
Contacts	Copper alloy/gold plate
HDMI Insulator	LCP
Grommet, Peripheral Seal, Interfacial Seal, O-ring	Blended fluorosilicone/silicone elastomer, 30% silicone per ZZ-R-765, 70% fluorosilicone per MIL-R-25988
Shell Size	17 Consult factory for other shell size options
Electrical Specifications	
Data Rate	Up to 18 Gbps
Power Usage	+5.0 volts
Current Rating	0.3 Amps min.
D.W.V.	300 VAC
I.R.	100 Mega Ohms min
Cabling Length	10 Meters maximum (recommended)
Shielding	Continuous through coupler or continuous coupler to shell
Environmental/Mechanical Performance	
Sealing	IP67 unmated, IP68 mated
Outgassing	Mod Code 186S meets outgassing requirements per ASTM E 595 and meets NASA level 3 screening for standard reliability Mod Code 928 meets outgassing requirements per UL 94 V-0
Operating Temperature	-20°C to +85°C
Backshell Interface	MIL-DTL-38999 Designator H
Mating System	Triple-start stub ACME
Mating Cycles	500