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RJ45 CAT 5e Performance Specifications			
Property	MIL-DTL-38999 Series III Type	Series ITS 5015 Intermountable	Series IPT MIL-DTL-26482 Type
Material and Finish			
Shell/Coupling and Plating	Complete list of options available in the Material and Finish Options portion of this section		
Contacts	PC tails, solder cup, and crimp contacts: copper alloy, gold plated		
RJ45 Insulator	PPS		
Grommet, Peripheral Seal, Interfacial Seal, O-ring	Blended fluorosilicone/silicone elastomer, 30% silicone per ZZ-R-765, 70% fluorosilicone per MIL-R-25988		
Shell Sizes	17 and 19	18	18
Shielding Sleeve	Material: Copper alloy Finish: Nickel		
Electrical Specifications			
Data Rate	CAT 5e = 10BASE-T, 100BASE-TX, and 1000BASE-T/1000BASE-TX'		
Current Rating	Cat 5e, 1.5 Amps		
D.W.V.	1000 VDC (700 VAC)		
I.R.	500 Mega ohms @ 500 VDC		
Frequency	100 MHz, Cat 5e		
Wiring	Straight through, Cat 5e		
Cabling Length	Up to 100 meters or 100 meters max.		
Shield Continuity	Continuous through coupler or continuous coupler to shell		
Environmental/Mechanical Performance			
Sealing	IP68 mated condition, IP67 unmated condition		
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	-40°C to +120°C		
Vibration	20g, 3 Axis, 10 - 2000Hz	37 g	
Mechanical Shock	300 g's		
Backshell Interface	MIL-DTL-38999, Designator H	Consult factory	
Mating System	Triple-start stub ACME	Reverse Bayonet	
Mating Cycles	500		



RJ45 ETHERNET AND USB 2.0

Introduction and Technical Reference



Performance specifications for RJ45 connectors

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RJ45/RJ12 5e Performance Specifications

Property	MIL-DTL-28840 Type (RJ12)	MIL-DTL-28840 Type (RJ45)	Series 801, 804 and 805 Mighty Mouse (RJ45)
Material and Finish			
Shell/Coupling and Plating	Complete list of options available in the Material and Finish Options portion of this section		
Contacts	PC tails, solder cup, and crimp contacts: copper alloy, gold plated		
RJ45 Insulator	PPS		
Grommet, Peripheral Seal, Interfacial Seal, O-ring	Blended fluorosilicone/silicone elastomer, 30% silicone per ZZ-R-765, 70% fluorosilicone per MIL-R-25988		
Shell Sizes	15 and 17	17 and 19	Series 801 Shell Size 17 & 19 Series 804 Shell Size 15 & 16 Series 805 Shell Size 19 & 21
Shielding Sleeve	Material: Copper alloy Finish: Nickel		
Electrical Specifications			
Data Rate	NA	CAT 5e = 10BASE-T, 100BASE-TX, and 1000BASE-T/1000BASE-TX'	
Current Rating	1.5 Amps		
D.W.V.	1000 VDC (700 VAC)		
I.R.	500 Mega ohms @ 500 VDC		
Frequency	300 Hz - 3.4 KHZ	100 MHz, Cat 5e	
Wiring	Straight through, Cat 5e		
Cabling Length	300 meters	Up to 100 meters or 100 meters max.	
Shield Continuity	Continuous through coupler or Continuous coupler to shell		
Environmental/Mechanical Performance			
Sealing	IP68 mated condition, IP67 unmated condition		
Outgassing	Mod Code 1865 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	-40°C to +120°C		
Vibration	NA	20g, 3 Axis, 10 - 2000Hz	
Mechanical Shock	NA	300g's	
Backshell Interface	Consult factory	Consult factory	Dependent on Series
Mating System	Threaded	Threaded	801 - Double-Start Stub ACME 804 - Push/Pull 805 - Triple Start
Mating Cycles	100	500	500