



Performance Reference MIL-C-55302

Contact Rating: 5-amperes

Solderability: Terminals (except wire wrap[®] and crimp) tested in accordance with MIL-STD-202, Method 208 or J-STD-002

Wire Size: Stranded #22 AWG (adapter sleeves available for larger sizes or twisted pairs).

Operating Temperature: -65° to +125° C or -85° to +257° F

<u>Category:</u>	<u>Requirements:</u>	<u>Test Method Per:</u> <u>MIL-STD-1344</u>	<u>EIA-364 EQUIVALENT</u>
Test Voltage:	1,000 V, RMS, 60 Hz @ sea level 300 V, RMS, 60 Hz @ 70,000 feet	#3001	EIA-364-20, Method A EIA-364-20 Method A, Condition IV
Insulation Resistance:	5,000 megohms minimum @ 500 VDC	#3003	EIA-364-21
Durability:	500 connector mating cycles		
Vibration:	15 G's, no interruption > 1.0 microsecond	#2005	EIA-364-28, Condition III
Salt Spray:	PASS	#1001	EIA-364-26, Condition B
Shock:	100 G's, no interruption > 1.0 microsecond	#2004	EIA-364-27, Condition G
Humidity:	PASS	#1002	EIA-364-31, Method IV except steps 7A and 7B
Thermal Shock:	PASS	#1003	EIA-364-32, Method A, Condition III
Contact Resistance:	.025 volt maximum drop @ 5 amperes - .005 ohms (interface measurement)	#3004	EIA-364-06
Contact Engaging Force:	4.00 oz. maximum with .031 diameter test pin per SAE AS31971	#2014 & MIL-C-55302	EIA-364-37, Method A
Sizes 50 and larger:	Upon engagement, center area of mating faces may remain open .010" to .025" due to slight flexing of molding. Vibration or shock should provide complete closure.		
Guides and Jacks:	If location of pin or socket contacts is reversed, location of male and female guides or jacks is also reversed; except when using "D" shaped polarized guides. When polarized positions are changed, apply Loctite [®] 083 or equivalent to threads.		

Note: See "Military Cross Reference" chart in the Accessories section.