



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

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>SAE AS 13441</u>
Test Voltage:	1,000 V, RMS, 60 Hz @ sea level 300 V, RMS, 60 Hz @ 70,000 feet	#3001
Insulation Resistance:	5,000 megohms minimum @ 500 VDC	#3003
Durability:	500 connector mating cycles	
Vibration:	Mated connectors, Test condition III	#2005
Salt Spray:	Mated connectors, Test condition B	#1001
Shock:	Mated connectors, Test condition G	#2004
Humidity:	Test Type II, except steps 7A and 7B not required	#1002
Temperature Cycling:	Mated connectors, Test condition A	#1003
Contact Resistance:	.025 volt maximum drop @ 5 amperes - .005 ohms (interface measurement)	#3004
Contact Engaging Force:	4.00 oz. maximum with .031 diameter test pin per SAE AS31971	#2014 & MIL-C-55302
Contact Engaging Force:	For lower force contacts with a nominal engaging force of 2 ounces per socket contact, substitute the letter "O" for the letter "A". Example: Part number WRG208SOCSY	
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 [®] 83-21 or equivalent to threads.	

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