

PERFORMANCE REFERENCE MIL-C-55302

CONTACT RATING:	3 amperes (2 amperes for 0.016" diameter)
SOLDERABILITY:	Terminals (<i>except wire wrap, crimp and stackables</i>) tested in accordance with MIL-STD-202, method 208
WIRE SIZE:	Stranded #26 AWG
OPERATING TEMPERATURE:	-65° to +125° C or -85° to +257° F

CATEGORY	REQUIREMENTS	TEST METHOD PER: SAE AS 13441
TEST VOLTAGE	750V, RMS, 60 Hz at sea level 250V, RMS, 60 Hz at 70,000 feet	#3001
INSULATION RESISTANCE	5,000 megohms minimum at 500 VDC	#3003
DURABILITY	500 connector mating cycles	
VIBRATION	Mated connectors, test condition III	#2005
SHOCK	Mated connectors, test condition G	#2004
SALT SPRAY	Mated connectors, tested condition B	#1001
HUMIDITY	Test type II, (except steps 7a and 7b not required)	#1002
TEMPERATURE CYCLING	Mated connectors, test condition A	#1003
CONTACT RESISTANCE	0.015 Ohms max (interface measurement) at 3 amperes	#3004
CONTACT MATING FORCE	2.50 oz. x number of contacts average	
OUTGASSING	The entire connector assembly shall have maximum total mass loss (TML) of 1.0 percent of the original specimen mass and shall have a maximum volatile condensable material (VCM) content of 0.1 percent of the original specimen mass.	
SIZES 50 AND LARGER	Upon engagement, center area of mating faces may remain open 0.010" to 0.025" 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® 242-12 or equivalent to threads.	