



247-039
MIL-DTL-38999 Series 1.5
(Eurofighter JN Spec)
Filtered Wall Mount Receptacle Connector



TABLE I: FILTER PERFORMANCE

CONT. NO.	CAP nF	FILTER TYPE	ATT. dB				
			0.5M	1M	10M	100M	1G
All	112	PI	13	17	48	55	50

APPLICATION NOTES

1. This drawing describes the requirements for a filtered 26 way Size 20 pin contact, PCB Tail receptacle, complying with Eurofighter J62 .017 (JN1003) shell size 16 connector, polarization position 'N' insert arrangement 26.
2. Electrical Characteristics:
 - I. Current rating - each contact at 25° C: 3A DC
 - II. Working voltage - 100 VDC at sea level
 - III. Dielectric withstand voltage (DWV) - 250 VDV @ 5 sec.
 - IV. Typical capacitance - per table I +/- 20%
 - V. Attenuation - per MIL-STD-220A (in 50 Ohm system no load) per table I
3. Transient Protection:

Lines	W.V.	B.V.	C.V.	ENERGY
1-2	26V @ 50uA DC	31-38V @ 1mA DC	58V @ 30A @ 8/20 us	0.1 J
3-13	30V @ 50uA DC	37-46V @ 1mA DC	65V @ 30A @ 8/20 us	0.1 J

4. Environmental Requirements:
 - I. Temperature range: -55°C to +125°C
 - II. Shock: 40g x 6mS
 - III. Vibration: 10g RMS @ 50 to 2000 Hz
 - IV. Humidity: up to 95% R.H.
5. Materials and finishes in accordance with J62.017, Summarized as follows:
 - I. Shell: aluminum alloy
 - II. Finish: olive drab cad plate over nickel
 - III. Contacts: copper alloy gold plate over nickel
 - IV. Insulator: high grade plastic
 - V. Potting: epoxy

