

DRAWING NO.					
C - 134-1018-001/010					
0		REVISIONS			
ENGINEERING RELEASE					
I	9-11-98	RH			ECN 45831



1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-6 GHz
VSWR: 1.03:1.03F MAX (F IN GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 10000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 5 MILLIOHM MAX, AFTER
ENVIRONMENTAL 8 MILLIOHM MAX
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER
ENVIRONMENTAL 1.5 MILLIOHM MAX

BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET
INSERTION LOSS: -1dB MAX AT 1 GHz
RF LEAKAGE: -50 dB AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE FORCE (MCX): 3.4 LBS MAX ENGAGEMENT
5 LBS TYPICAL DISENGAGEMENT
ENGAGE/DISENGAGE TORQUE (SMA): 2 IN LBS MAX
MATING TORQUE (SMA): 7-10 IN LBS MAX
CONTACT RETENTION FORCE: 6 LBS MIN
CONTACT RETENTION TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION (SMA): 60 LBS MIN
CABLE ACCEPTABLE: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION F
OPERATING TEMPERATURE: -55 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B
MOISTURE: MIL-STD-202, METHOD 106

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY T.A.KARI		DATE 7-24-98		 Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waco, MN 56093 1-800-247-8256	
DECIMALS <u> </u> mm .XX <u> </u> .XXX REF <u> </u>		CHECKED BY		DATE		TITLE ASSEMBLY, ADAPTER BETWEEN SERIES SMA PLUG TO MCX JACK	
MATL <u> </u>		APPROVED BY TAK		DATE 9-16-98			
FINISH <u> </u>		APPROVED BY RJB		DATE 9-24-98			
RELEASE DATE		CODE NO.		DRAWING NO.		C - 134-1018-001/010	
		SCALE 10:1		U/N INCH		SHEET 2 OF 2	