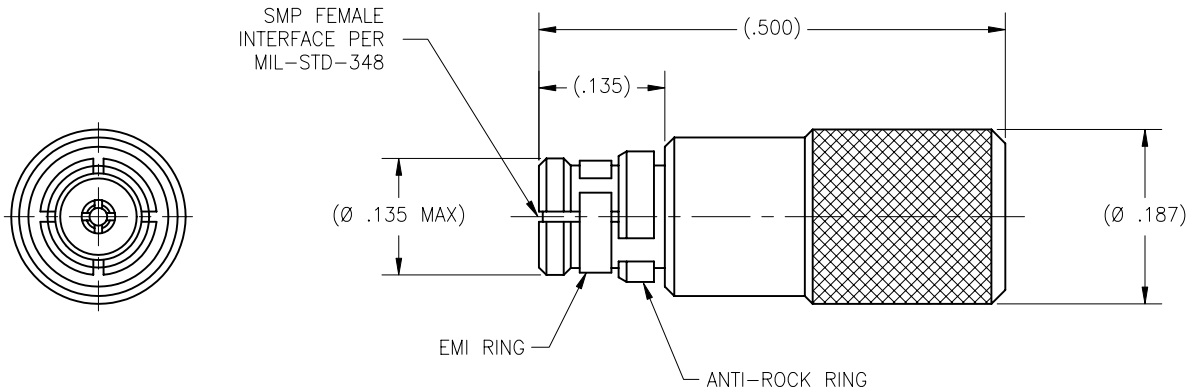
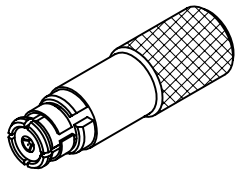
P/N
−1CC

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
–	G	ECO 12055	08.02.00	DKN
–	H	ECO 19689	10.20.06	SLM
–	J	ECO 19918	01.24.07	DKN





DRAWING NO.	REV.
P918	J

MATERIAL:

Body, EMI Ring & Anti−Rock Ring:
BeCu alloy per ASTM B−196.
Center Conductor:
BeCu alloy per ASTM B−196.
Dielectric:
PTFE per ASTM D−1710.
Insert:
Brass alloy C360 per ASTM B−16.
Epoxy:
Sigma VF Type HV.

ELECTRICAL:

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18.0 GHz.
VSWR: 1.35:1 max to 18GHz
Power Handling: 20dBm max.

MECHANICAL:

Mating Characteristics:
Interface per Mil−Std−348.
Force To Engage & Disengage:
Depend on Detent
Center Contact Retention:
Axial Force: 6 pounds min.
Connector Durability:
Depend on Detent
Permeability: Less than 2.0 mu.

ENVIRONMENTAL:

Temperature Range: −65°C to +125°C.
Thermal Shock:
Mil−Std−202, Method 107, Test Cond. B.
Moisture Resistance:
Mil−Std−202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1000 MegOhms within 5 minutes after removal from humidity.
Corrosion:
Mil−Std−202, Method 101, Test Cond. B.
Vibration:
Mil−Std−202, Method 204, Test Cond. D.
Shock:
Mil−Std−202, Method 213, Test Cond. I.

FINISH:

Body, Insert, Contact, EMI Ring & Anti−Rock Ring:
Gold plate per ASTM B−488, over nickel under plate per AMS−QQ−N−290.

APPLICABLE TENSOLITE DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE

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TOLERANCES AND NOTES EXCEPT AS NOTED

DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 .XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32

1. MACHINE FINISH: 63 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H−28
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

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MATERIAL	SIZE	SPECIFICATION	PROCUREMENT

NEXT ASSY

APPROVAL	INITIALS	DATE
DRAWN BY	ATV	06.25.98
CHECKED		
QUALITY		
ENGINEERING	ATV	01.30.07

Tensolite
HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS
Long Beach, California 90815

TITLE: SMP FEMALE STRAIGHT TO 50 OHM LOAD TERMINATION

SCALE: 10/1 | SUB−DIRECTORY\FILENAME: OLPXXX\OLP918 | SHEET 1 OF 1

SIZE: C | CAGE CODE: 30990 | DRAWING NO.: P918 | REV.: J

ENG−DWG REV. A