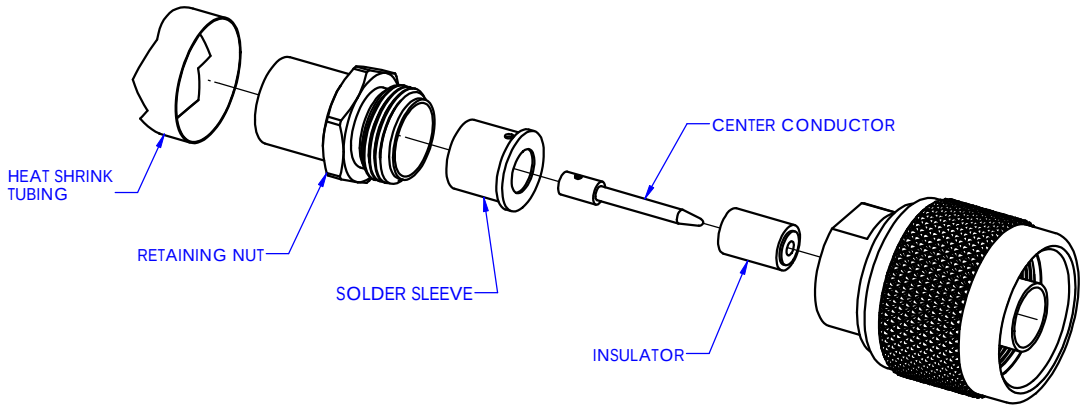
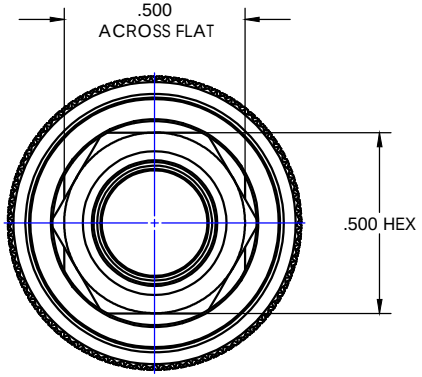
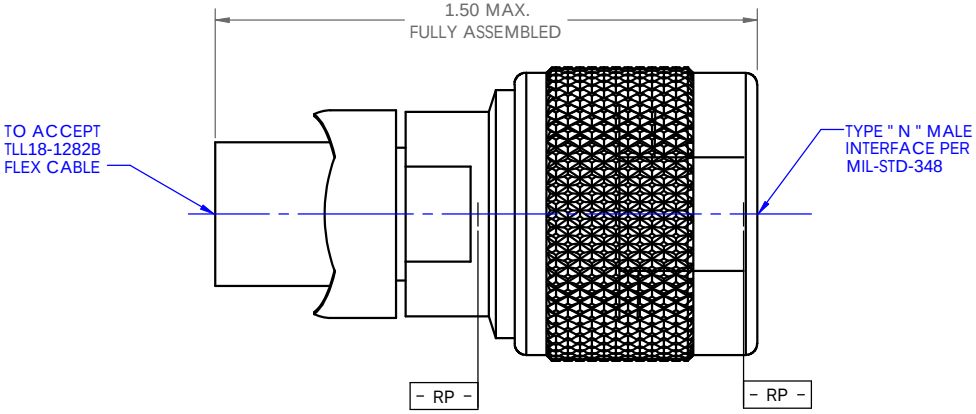
REVISIONS			
REV	DESCRIPTION	DATE	BY
-	-	-	-



PRELIMINARY





NOTE:
RETAINING NUT, SOLDER SLEEVE, CENTER CONDUCTOR & INSULATOR TO BE PACKAGED & SHIPPED UNASSEMBLED

MATERIAL:

BODY, NUT, RETAINING NUT:
303 SST PER ASTM A-582

CENTER CONDUCTOR, SOLDER SLEEVE & RETAINING RING:
BeCu ALLOY PER ASTM B-196

INSULATOR:
TEFLON PTFE ASTM D 1710

GASKET:
SILICONE RUBBER PER A-A-59588

ELECTRICAL:

Impedance: 50 Ohms Nom.
Freq. Range: DC TO 18 GHz
VSWR: 1.10 + .01 x f (GHz)
Insertion Loss: .05 x $\sqrt{f\ (GHz)}$ dB
Working Voltage: 500 Vrms @ Sea Level
Dielectric Withstand Voltage: 2500 Vrms
RF HiPot Voltage: 1,500 Vrms Min @ 5MHz
Corona Level: 500 Vrms @ 70,000 ft
Insulation Resistance: 5,000 MegOhms
Contact Resistance:
Center Conductor:
Before Environmental: 1.0 MilliOhms Max
After Environmental: 1.5 MilliOhms Max

MECHANICAL:

Mating Characteristics:
MIL-STD-348
Torque To Engage & Disengage:
Torque: 6 inch-pounds max
Longitudinal Force: NA
Connector Durability:
500 cycles min @ 12 cycles/minute max
Coupling Proof Torque: 30 inch-pounds min.
Coupling Mech. Retention: 100 pounds min.
MatingTorque: 15 inch-pounds.

ENVIRONMENTAL:

Temp. Range: -65°C to +125°C
Thermal Shock:
MIL-STD-202, Method 107, Test Cond. B
Moisture Resistance:
MIL-STD-202, Method 106. Insulation resistance at least 200 MegaOhms 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:

CENTER CONDUCTOR; SOLDER SLEEVE
GOLD PLATE PER ASTM B-488 OVER NICKEL PLATE PER AMS-QQ-N-290
BODY, NUT, RETAINING NUT:
PASSIVATED PER ASTM A-967; AMS-QQ-P-35 OR SAE-AMS 2700

APPLICABLE CARLISLE IT DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	TBD

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: 32 √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.

-	-	-	-
MATERIAL	SIZE	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	YPHAN	04.06.10
CHECKED BY		
TEST ENGR		
QUALITY		
DESIGN ENGR	HN	04.27.10
MFG. ENGR		

CARLISLE Interconnect Technologies
Long Beach, CA 90815

TITLE: TYPE " N " MALE FOR TLL18-1282B FLEX CABLE

SCALE	SUB-DIRECTORY\FILE NAME	SHEET
4:1	OL /	1 OF 1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	8209-8CCSF	-

ENG-DWG REV. C