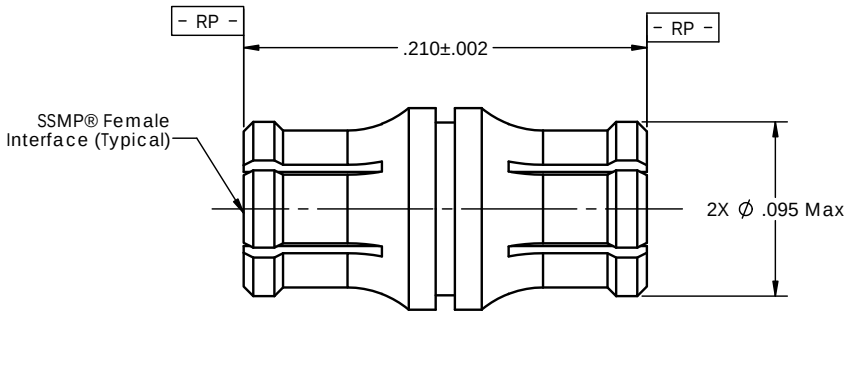
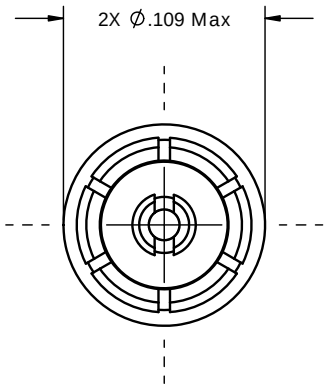
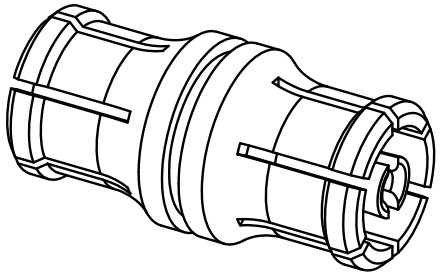
REVISIONS			
REV.	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	05/06/13	DKN
A	ECO 27266 (CHG FREQ & VSWR)	9/18/2013	YP
B	ECO 27296	09/30/13	DKN







SSMP® is a registered trademark of Carlisle IT.

MATERIAL(S):

Body And Center Conductor:
BeCu Alloy C17300 per ASTM B-196.
Insulator:
PTFE Teflon per ASTM D-1710.

ELECTRICAL(S):

Impedance: 50 Ohms Nominal
Frequency Range: DC to 65.0 GHz
VSWR: 1.4:1 max to 40 GHz
Insertion Loss: .35 dB max to 40 GHz
Working Voltage: 335 Vrms @ Sea Level
150 Vrms @ 70,000 ft.
Dielectric Withstand Voltage: 325 Vrms min.
RF HiPot Voltage: 190 Vrms min. @ 5 MHz
Corona Level: 125 Vrms @ 70,000 ft
Insulation Resistance: 5,000 MegaOhms min.
Contact Resistance:
Center Contact: 4.0 Milliohms max
RF Leakage: -80 dB max to 3.0 GHz
-65 dB max to 18 GHz

MECHANICAL(S):

Interface Dimensions:
Carlisle IT WS134
Connector Durability:
Detent: 100 cycles
Smooth Bore: 500 cycles
Center Contact Retention:
Axial: 2 lbs min.
Radial: NA
Force to Engage:
Detent: 6.5 lbs max
Smooth Bore: 2.5 lbs max
Force to Disengage:
Detent: 2.0 lbs min
Smooth Bore: 1.5 lbs min
Axial Offset: .000/.010 inch
Radial Offset: ±.010 inch

ENVIRONMENTAL(S):

Temperature Range: -65°C to +165°C
Thermal Shock:
MIL-STD-202, Method 107, Test Condition C
Moisture Resistance:
MIL-STD-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity.
Corrosion:
MIL-STD-202, Method 101, Test Condition B
Vibration:
MIL-STD-202, Method 204, Test Condition D
Shock:
MIL-STD-202, Method 213, Test Condition I

FINISH(ES):

Body And Center Conductor:
Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25, over Nickel under plate per SAE-AMS-QQ-N-290, Class 1.

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
-		

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.

MATERIAL		
APPROVAL	INITIALS	DATE
DRAWN BY	DKN	05.06.13
CHECKED BY	-	-
TEST ENGR	-	-
QUALITY	-	-
DESIGN ENG	HT	05.06.13
MFG. ENGR	-	-
ECO APPRV	DNg	09.30.13

-	-	-
	SPECIFICATION	PROCUREMENT

CARLISLE Interconnect Technologies
Cerritos, CA 90703

TITLE: SSMP ® FEMALE TO SSMP ® FEMALE STRAIGHT ADAPTER

SCALE	SUB-DIRECTORY/	SHEET
20:1	_OUTLINE/	1 OF 1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P101-5CC	B

ENG-SW REV. E