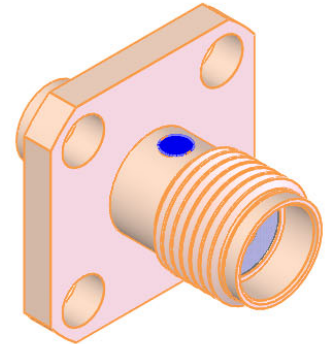
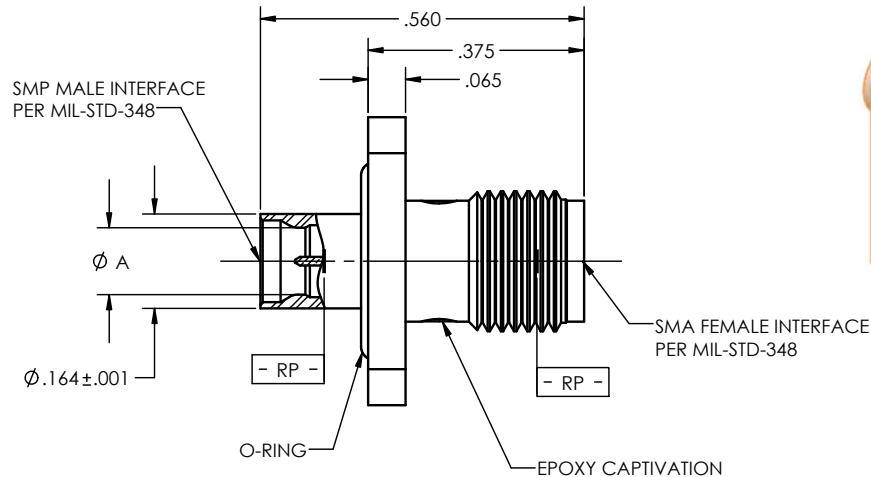
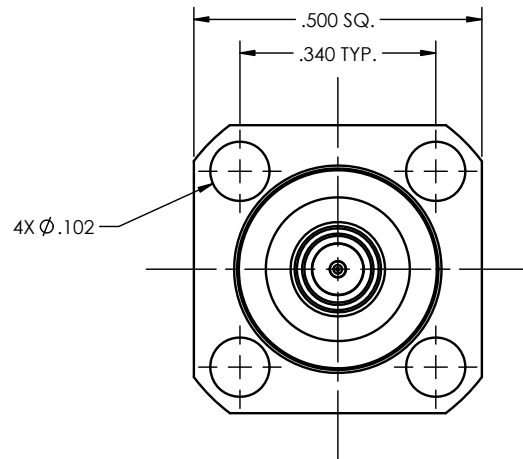


PART NO.	INTERFACE	Ø A
-1CCSF	FULL DETENT	.116±.001
-2CCSF	LIMITED DETENT	.120±.001
-3CCSF	SMOOTH BORE	.125±.001

REVISIONS			
REV.	DESCRIPTION	DATE	BY
C	ECO 19303	6/15/2007	DKN
D	ECO 36461 (CHG SPECS, REDRAW SW)	6/10/2021	YP
E	ECO 202352 (ADD NEW NAME)	12.02.2024	DKN



MATERIAL(S):

Body:
303 SST per ASTM A-582
Center Conductor:
BeCu Alloy per ASTM B-196
Dielectric:
PTFE Teflon per ASTM D-1710
O-Ring:
Silicon Rubber S604-70 or S613-60
Epoxy:
Sigma VF Type HV

ELECTRICAL(S):

Impedance: 50 Ohms Nominal
Frequency Range: DC to 18 GHz
VSWR: 1.15:1 max to 18 GHz
Insertion Loss: .25 dB max to 18 GHz
Working Voltage: 335 Vrms max @ Sea Level
Dielectric Withstanding Voltage: 500 Vrms min.
RF HiPot Voltage: 150 Vrms min. @ 5MHz
Corona Level: 125 Vrms @ 70,000 ft
Insulation Resistance: 5,000 MegOhms min.
Contact Resistance:
Center Contact: 6.0 Milliohm max
Outer Contact: 12.0 Milliohm max
R.F. Leakage:
-80 dB max to 3.0 GHz
-65 dB max to 18 GHz

MECHANICAL(S):

Mating Characteristics:
Interface per MIL-STD-348
Force to Engage:
Full detent: 15 lbs max
Limited detent: 10 lbs max
Smoothbore: 2 lbs max
Force to Disengage:
Full detent: 5 lbs min
Limited detent: 2 lbs min
Smoothbore: 0.5 lbs min
Center Contact Retention:
Axial Force: 1.5 pounds min.
Connector Durability:
100 Cycles min. @ 12 cycles/minute max
Permeability: Less than 2.0 mu.
Center Contact Engagement & Separation Force:
1.0 lb max & 0.5 oz min.

ENVIRONMENTAL(S):

Temperature Range: -65°C to +125°C
Thermal Shock:
MIL-STD-202, Method 107, Test Condition 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 Condition B
Vibration:
MIL-STD-202, Method 204, Test Condition D
Shock:
MIL-STD-202, Method 213, Test Condition I

FINISH(ES):

Body:
Passivate per ASTM A-967.
Center Conductor:
Gold plate per ASTM B-488, type II, code C or D, .000050 min. thick, over nickel under plate per SAE AMS-QQ-N-290, class 1, .000050 min. thick.

APPLICABLE CARLISLE IT DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

NOTICE
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TOLERANCES AND NOTES

- EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR $XX \pm .015$ ANGULAR $\pm 1/2^\circ$
FRACTION $\pm 1/32$
- MACHINE FINISH: \sqrt{RMS}
 - BREAK ALL SHARP EDGES .003 MAX.
 - MACHINED FILLETS, .005 MAX.
 - MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
 - MACHINED DIAMETERS CONCENTRIC WITHIN .002 TLR.
 - DIMENSIONS TO BE MET BEFORE PLATING.
 - CHAMFER ALL THREADS 45°.
 - THREADS PER H-28
 - REMOVE FRAIED EDGES ON TEFLON.
 - REMOVE ALL BURRS.

MATERIAL		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	TITLE		SHEET 1 OF 1	
DKN	06.14.07	SMP MALE 4 HOLE FLANGE MOUNT STRAIGHT TO SMA FEMALE ADAPTER		1	
DKN	-	SCALE	SUB-DIRECTORY/OUTLINE	DRAWING NO. P920	
ATV	06.18.07	6:1	CAGE CODE	30990	REV. E
Dng	12.02.24	SIZE	C	DRAWING NO.	P920