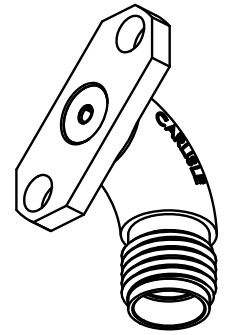
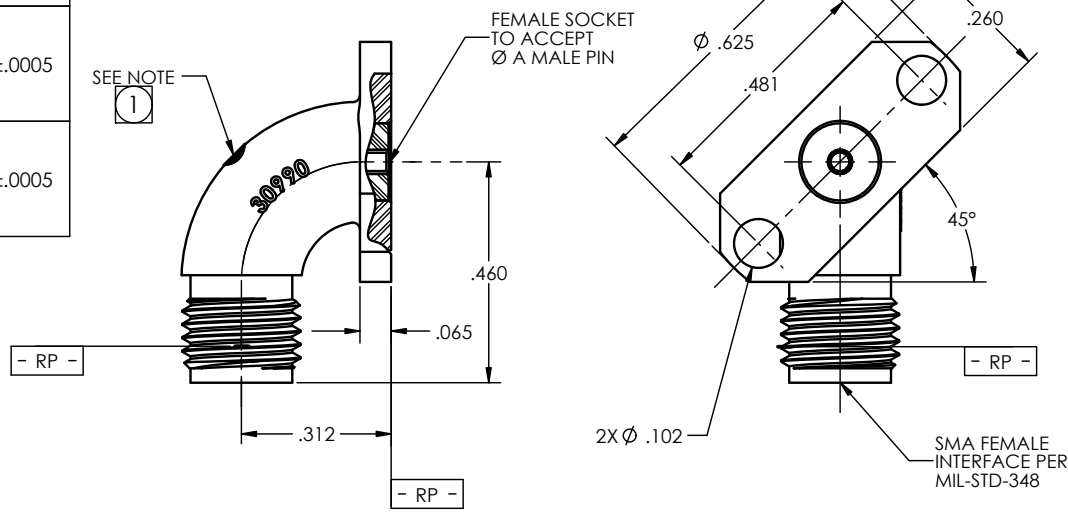


PART NO.	Ø A
-1CC	.0360±.0005
-1CCSF	
-1CCCE	
-1CCCESF	.0200±.0005
-2CC	
-2CCSF	
-2CCCE	.0100±.0005
-2CCCESF	
-3CC	
-3CCSF	.0120±.0005
-3CCCE	
-3CCCESF	
-4CC	
-4CCSF	
-4CCCE	
-4CCCESF	

PART NO.	Ø A
-5CC	.0150±.0005
-5CCSF	
-5CCCE	
-5CCCESF	.0180±.0005
-6CC	
-6CCSF	
-6CCCE	.0080±.0005
-6CCCESF	
-7CC	
-7CCSF	
-7CCCE	
-7CCCESF	

REVISIONS			
REV.	DESCRIPTION	DATE	BY
C	ECO 25859	6/11/12	PMAO
D	ECO 30954(CHG VSWR, REDRAW SW)	7/12/2016	YP
E	ECO 202352 (ADD NEW NAME)	11/21/2024	DKN



NOTE(S):
 1. CONDUCTIVE EPOXY IS REQUIRED FOR P/N. END WITH CCCE OR CCCESF.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body: 304L SST per SAE-AMS-5511 Center Conductor: BeCu Alloy per ASTM B-196 Dielectric: PTFE Teflon per ASTM D-1710 Epoxy: (for CC's) Sigma VF type HV Conductive Epoxy: (for CCCE's) Ablebond 16-1 or Eccobond 56C	Impedance: 50 Ohms Nominal Frequency Range: DC to 18.0 GHz Typical VSWR: 1.06 + .010 x f (GHz) Insertion Loss: .08 x √f (GHz) dB Working Voltage: 335 Vrms max @ Sea Level Dielectric Withstand Voltage: 1,500 Vrms min. RF HiPot Voltage: 1,000 Vrms min. @ 5MHz Corona Level: 375 Vrms @ 70,000 ft Insulation Resistance: 5,000 MegOhms min. RF Leakage: -60 dB min. from 2 - 3 GHz (for CC's) -90 dB min. @ 2 - 3 GHz (for CCCE's) Contact Resistance: Initial: Center Contact: 3.0 Milliohms max Outer Contact: 2.0 Milliohms max After Environment: Center Contact: 4.0 Milliohms max Outer Contact: NA	Mating Characteristics: Interface per MIL-STD-348 Force to Engage & Disengage: Torque: 2 inch-pounds max Longitudinal Force: NA Center Contact Retention Force: Axial Force from: 6 pounds min. Center Contact Captivation: Axial Force: 6 pounds max Radial Torque: 4 inch-ounces max Connector Durability: 500 Cycles min. @ 12 cycles/minute max Permeability: Less than 2.0 mu.	Temperature Range: -65°C to +125°C Thermal Shock: MIL-STD-202, Method 107, Test Condition C 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 Condition B Vibration: MIL-STD-202, Method 204, Test Condition D Shock: MIL-STD-202, Method 213, Test Condition I

FINISH(ES):	
Body (for SF 's):	Passivate per ASTM A-967
Body (for CC 's):	Gold plate per ASTM B-488, Type II, Code C, Class 0.25, over nickel under plate per SAE AMS-QQ-N-290, Class 1.
Center Conductor:	Gold plate per ASTM B-488, Type II, Code C, Class 1.25, over nickel under plate per SAE AMS-QQ-N-290, Class 1.

APPLICABLE Amphenol CDI DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
NOTICE		
THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY Amphenol CDI & ALL DESIGN, MANUFACTURING, REPRODUCTION, USE & SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE & THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE IN OTHER PROJECTS AND SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, CERRITOS, CALIFORNIA 94009.		

TOLERANCES AND NOTES	
EXCEPT AS NOTED DIMENSIONS ARE IN INCHES.	
LINEAR	XX ± .015
ANGULAR	± 1/2°
FRACTION	± 1/32
INTERPRET DRAWING PER ASME Y14.5 - 2018	
1. MACHINE FINISH	✓ RMS
2. BREAK ALL SHARP EDGES	.003 MAX.
3. MACHINED FILLETS	.005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH	
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 TLR	
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		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	TITLE		SCALE	
RC	03.21.02	SMA FEMALE RADIUS R/A 2 HOLE FLANGE MNT, 45° RIGHT, FIELD REPLACEABLE		5:1	
RC	-	SUB-DIRECTORY/OUTLINE/		SHEET 1 OF 1	
DNg	12.21.07	DRAWING NO.		5660	
DNg	11.21.24	SIZE		C 30990	
ECO APPRV		REV.		E	