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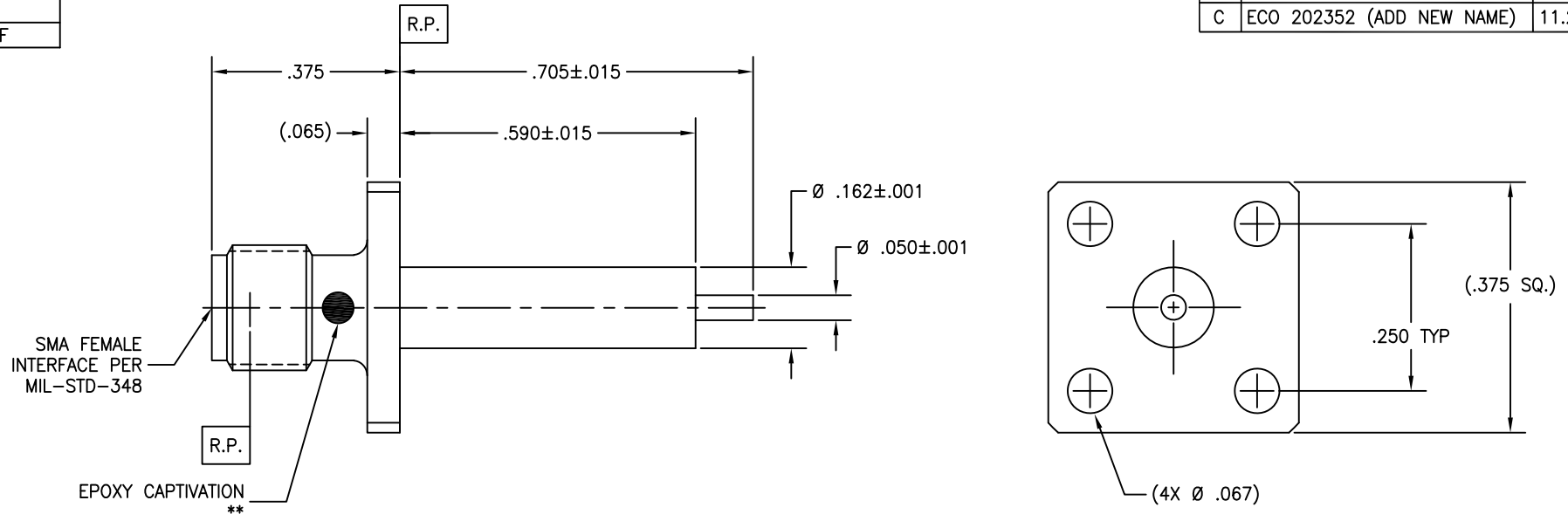
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P/N
BASIC
SF
CC
CCSF

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 20278	05.23.07	DKN
B	ECO 26991	05.28.13	DKN
C	ECO 202352 (ADD NEW NAME)	11.22.24	DKN



** NOT APPLICABLE TO BASIC & SF

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 303 sst per ASTM A-582. Center Conductor: BeCu alloy C173 per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Epoxy: (for CC & CCSF) Sigma VF Type HV.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005 (fGHz). Insertion Loss: .03 √f (GHz). Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1,000 Vrms min. R.F. HiPot Voltage: 670 Vrms min @ 5MHz. Corona Level: 250 Vrms @ 70,000 ft. Insulation Resistance: 5,000 MegOhms min. R.F. Leakage: -(90 - fGHz) dB min. for Basic & SF. -(60 - fGHz) dB min. for CC & CCSF. Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: Center Contact: 4.0 Milliohm 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: Axial Force: 6 pounds min. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. * Center Contact Captivation: Axial Force: 6 pounds min. Radial Torque: 4 inch-ounces min. * Applicable to CC & CCSF	Temperature Range: -65°C to +125°C (CC & CCSF) -65°C to +165°C (Basic & SF) Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 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: (For SF's): Passivated per ASTM A-967. (For Basic & CC's): Gold plate per ASTM B-488, Type II, Code C, Class .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 or D, Class 1.25; Over nickel under plate per SAE-AMS-QQ-N-290, Class 1.

APPLICABLE Amphenol CDI DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

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TOLERANCES AND NOTES EXCEPT AS NOTED
 INTERPRET DRAWING PER ASME Y14.5-2018
 DIMENSIONS ARE IN INCHES:
 LINEAR .XXX ±.015
 .XXX ±.005 ANGULAR ± 1/2°
 FRACTION ± 1/32

- MACHINE FINISH: 43/RMS
- BREAK ALL SHARP EDGES .003 MAX.
- MACHINED FILLETS .005 MAX.
- MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.
- MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
- DIMENSIONS TO BE MET BEFORE PLATING.
- CHAMFER ALL THREADS 45°.
- THREADS PER 1H-26.
- REMOVE FRAYED EDGES ON TEFLON.
- REMOVE ALL BURRS.

MATERIAL		SPECIFICATION		PROCUREMENT							
APPROVAL INITIALS	DATE	Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703		TITLE SMA FEMALE 4 HOLE (.375 SQ) FLANGE MOUNT TO STRAIGHT TERMINATION							
DRAWN BY	IMG					03.21.02					
CHECKED BY	TEST ENGG										
DESIGN ENGG	ATV					06.18.07					
MFG ENGG				SCALE	6:1						
ECO APPRV	DNg	11.22.24	C	SIZE	CAGE CODE	DRAWING NO.	5921	SHEET	1 of 1	REV	C

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