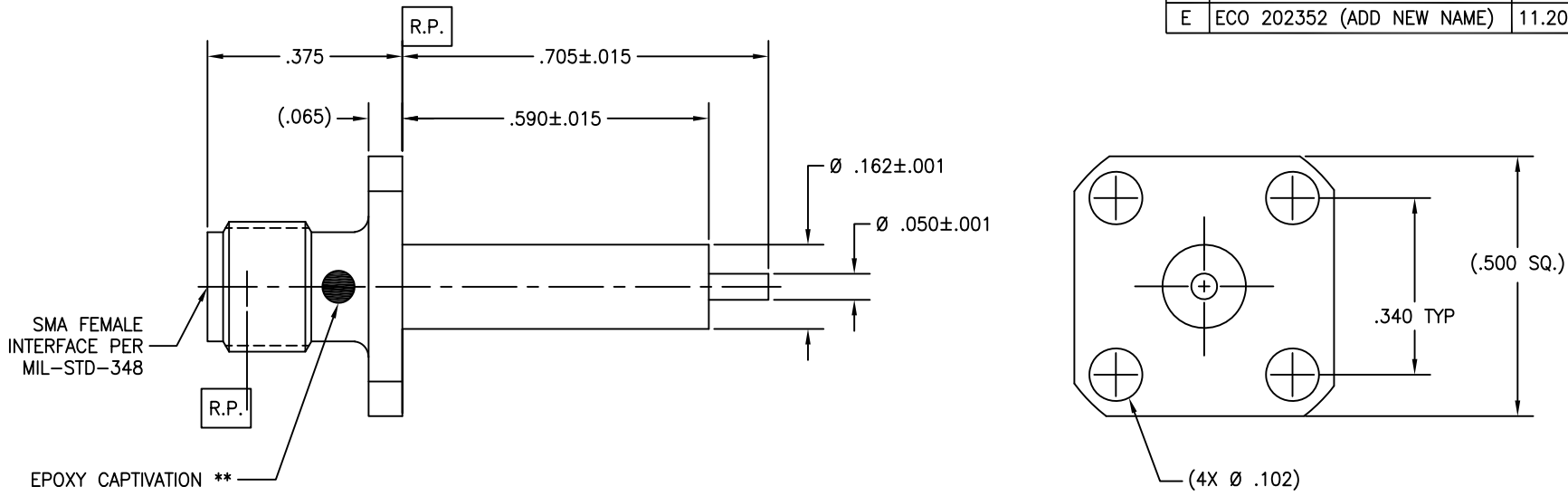


P/N
BASIC
SF
CC
CCSF
CCCE
CCCESF

REVISIONS			
REV	DESCRIPTION	DATE	BY
C	ECO 22242	06.02.09	K.NG
D	ECP 22748	12.22.09	DKN
E	ECO 202352 (ADD NEW NAME)	11.20.24	DKN



** NOT APPLICABLE TO BASIC & SF

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Epoxy: (for CC, CCSF, CCCE & CCCESF) Sigma VF Type HV. Conductive Epoxy: (for CCCE & CCCESF) Eccobond 56C.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005 x f (GHz). 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: -(60 - fGHz) dB min. for CC & CCSF. -(65 - fGHz) dB min. for CCCE & CCCESF. -(90 - fGHz) dB min. for BASIC & SF. 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.	Temperature Range: -65°C to +125°C (All Captivated) -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:	APPLICABLE Amphenol CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL	SPECIFICATION	PROCUREMENT										
Body: (for SF, CCSF & CCCESF) Passivated per ASTM A-967. Body: (for Basic, CC & CCCE) 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.	<table border="1"> <thead> <tr><th>WORK STD</th><th>PROD INST</th><th>ASSY INST</th></tr> </thead> <tbody> <tr><td>NA</td><td>NA</td><td>NA</td></tr> </tbody> </table>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	INTERPRET DRAWING PER ASME Y14.5-2018 DIMENSIONS ARE IN INCHES: LINEAR .XXX ±.015 .XXX ±.005 ANGULAR ± 1/2° FRACTION ± 1/32 1. MACHINE FINISH: 63/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS - R.001 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITH .002 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER 1H-26. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	<table border="1"> <thead> <tr><th>APPROVAL INITIALS</th><th>DATE</th></tr> </thead> <tbody> <tr><td>IMG</td><td>03.21.02</td></tr> </tbody> </table>	APPROVAL INITIALS	DATE	IMG	03.21.02	Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703	TITLE SMA FEMALE 4 HOLE (.500 SQ) FLANGE MOUNT TO STRAIGHT TERMINATION SCALE 6:1 DIRECTORY/SUB-DIRECTORY _OUTLINE\
WORK STD	PROD INST	ASSY INST													
NA	NA	NA													
APPROVAL INITIALS	DATE														
IMG	03.21.02														
			<table border="1"> <thead> <tr><th>DESIGN ENGG</th><th>H.N.</th><th>DATE</th></tr> </thead> <tbody> <tr><td>H.N.</td><td>12.22.09</td><td></td></tr> </tbody> </table>	DESIGN ENGG	H.N.	DATE	H.N.	12.22.09							
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MFG ENGG	DATE														
DNg	11.20.24														
				SHEET 1 of 1	REV E										

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