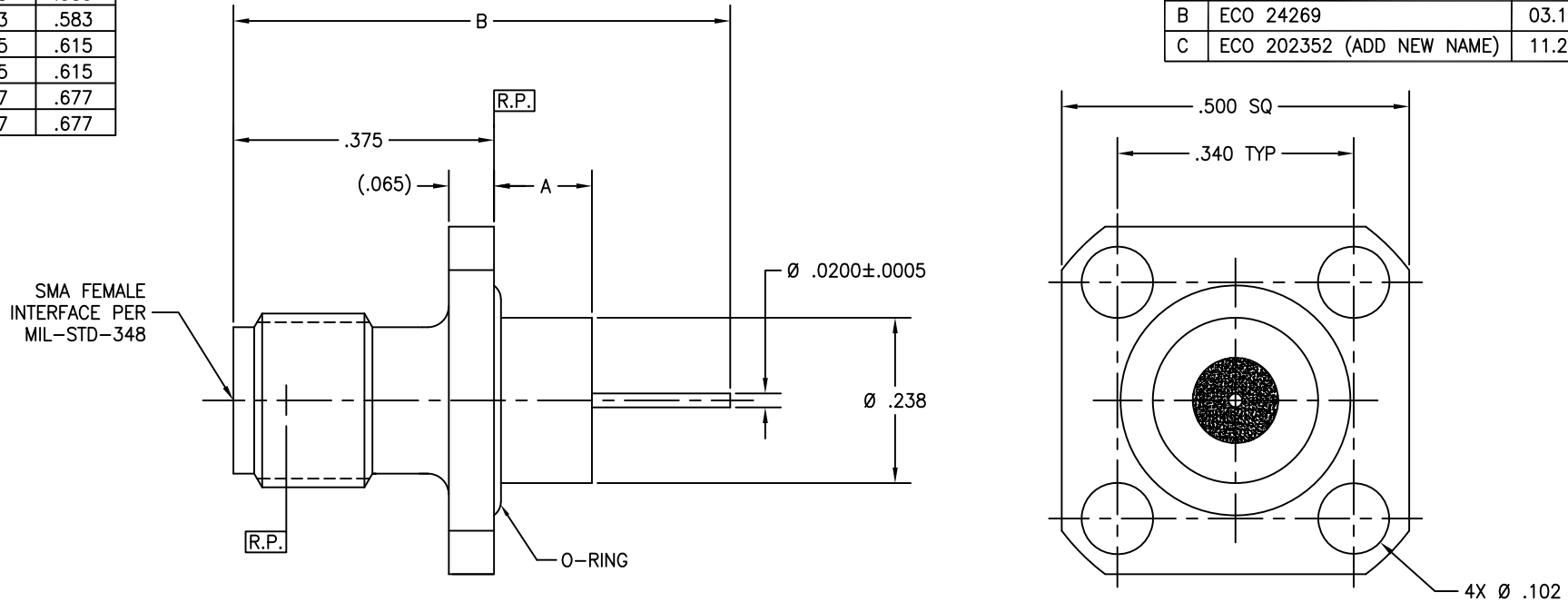


| P/N | A | B |
|--------|------|------|
| -1CC | .093 | .583 |
| -1CCSF | .093 | .583 |
| -2CC | .125 | .615 |
| -2CCSF | .125 | .615 |
| -3CC | .187 | .677 |
| -3CCSF | .187 | .677 |

| REVISIONS | | | |
|-----------|---------------------------|----------|-----|
| REV | DESCRIPTION | DATE | BY |
| A | ECO 24077 | 1.27.11 | DKN |
| B | ECO 24269 | 03.14.11 | DKN |
| C | ECO 202352 (ADD NEW NAME) | 11.25.24 | DKN |



| 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. Oring: Butyl compound B612-70. Glass: Corning 7052 Contact: Kovar per ASTM F15. | Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.25:1 max to 18GHz. Insertion Loss: .50 dB max to 18GHz. 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. 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 +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. C. 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 | |
|---|---|-----------|-----------|---|--|--|---------------------|--|--|--|
| | WORK STD | PROD INST | ASSY INST | | APPROVAL INITIALS | DATE | Amphenol CDI | | 12900 Alondra Blvd. Cerritos, CA 90703 | |
| Body: (For CCSF's): Passivate per ASTM A-967. (For 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. | 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 | R.C. | 03.28.02 | Amphenol CDI | | TITLE SMA FEMALE 4 HOLE FLANGE (.500 SQ.) HERMETICALLY SEALED TO STRAIGHT TERM. | |
| | NOTICE THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN OWNED BY Amphenol CDI AND ALL DESIGN, MANUFACTURING, RE-PRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE INTO OTHER PRODUCTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, Cerritos, CA 90703 | | | 1. MACHINE FINISH: 43/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 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. | DESIGN ENGG DNg. 03.22.11 MFG ENGG ECO APPRV DNg. 11.25.24 | SCALE 10/1 SIZE CAGE CODE DRAWING NO. 30990 SHEET 1 OF 1 5972 | REV C | | | |