

| PART NO. | Ø A | FIGURE(S) |
|----------|-------------|-----------|
| -1CC | .0360±.0005 | 1 |
| -1CCSF | | |
| -2CC | .0200±.0005 | 2 |
| -2CCSF | | |
| -3CC | .0100±.0005 | 2 |
| -3CCSF | | |
| -4CC | .0120±.0005 | 2 |
| -4CCSF | | |
| -5CC | .0150±.0005 | 2 |
| -5CCSF | | |
| -6CC | .0180±.0005 | 2 |
| -6CCSF | | |

| REVISIONS | | | |
|-----------|---------------------------|------------|-----|
| REV. | DESCRIPTION | DATE | BY |
| A | ECO 201014 (I R) | 7/12/2024 | YP |
| B | ECO 202352 (ADD NEW NAME) | 11/21/2024 | DKN |

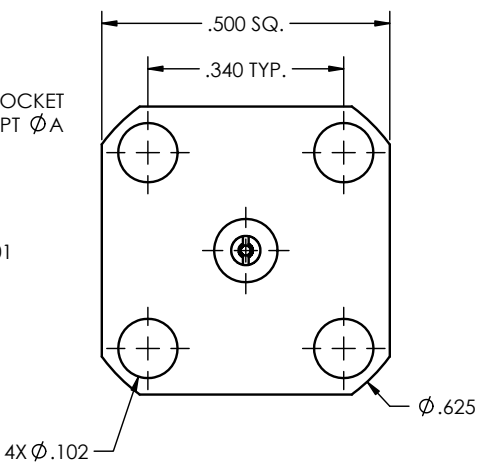
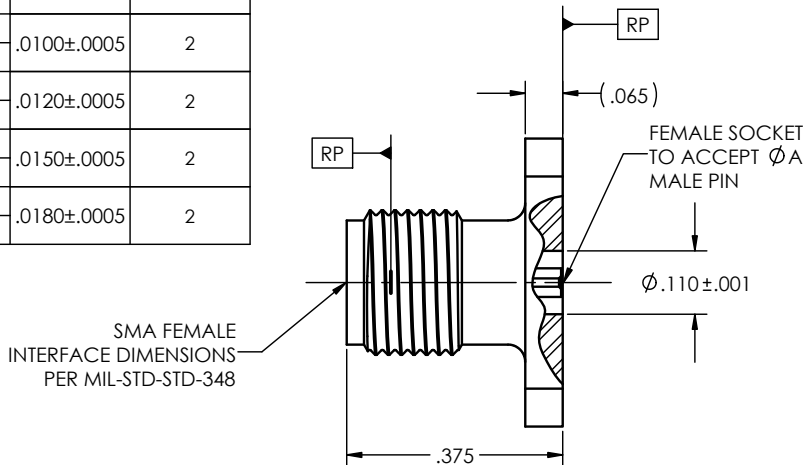


FIGURE 2

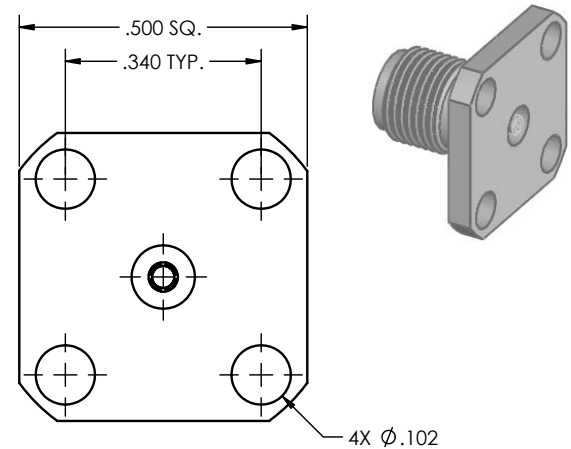


FIGURE 1

NOTE(S) :
1. ALL ITEMS TO BE PACKAGED & SHIPPED UNASSEMBLE.

| MATERIAL(S) : | ELECTRICAL(S) : | MECHANICAL(S) : | ENVIRONMENTAL(S) : |
|---|--|--|---|
| Body: 303 SST per ASTM A-582 Center Conductor: BeCu Alloy per ASTM B-196 Dielectric: PTFE Teflon per ASTM D-1710 | Impedance: 50 Ohms Nominal Frequency Range: DC to 26.0 GHz VSWR: 1.06 + .005 x f(GHz) Insertion Loss: .03 x f(GHz) dB Working Voltage: 335 Vrms max @ Sea Level Dielectric Withstand Voltage: 1,000 Vrms min. RF HiPot Voltage: 670 Vrms min. @ 5MHz Corona Level: 250 Vrms @ 70,000 ft Insulation Resistance: 5,000 MegOhms min. ✓RF Leakage: -(90 - fGHz) dB. 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-lbs max Longitudinal Force: NA Center Contact Retention: Axial Force: 6 lbs min. Center Contact Captivation: Axial Force: 6 lbs max. from interface end. 3 lbs max from rear end. Torque: 4 inch-ounces min. Connector Durability: 500 Cycles min. @ 12 cycles/minute max Permeability: Less than 2.0 mu. | Temperature Range: -65°C to +165°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: (for CCSF): Passivate per ASTM A-967. (for CC): 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 or D, 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 | | |
| <small>THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY Amphenol CDI & ALL DESIGNS, 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.</small> | | |

| TOLERANCES AND NOTES | |
|---|-----------------|
| EXCEPT AS NOTED DIMENSIONS ARE IN INCHES | |
| XX ±.015 | ANGULAR ± 1/2° |
| LINEAR XXX ±.005 | 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 FRAVED EDGES ON TEFLON. | |
| 10. REMOVE ALL BURRS. | |

| MATERIAL | | SPECIFICATION | | PROCUREMENT | | | |
|-------------------|------|---|----------|--|--------|-------|----------|
| APPROVAL INITIALS | DATE | Amphenol 12900 Alondra Blvd. Cerritos, CA 90703 | | TITLE SMA FEMALE 4 HOLE FLANGE MOUNT FIELD REPLACABLE (AIR SECTION DESIGN) | | | |
| DRAWN BY | DKN | | | | | DATE | 07.10.00 |
| CHECKED BY | - | | | | | SCALE | 6:1 |
| TEST ENGR | - | | | | | SIZE | C |
| DESIGN ENG | ATV | DATE | 07.12.00 | DRAWING NO. 5680 | | | |
| MFG. ENGR | - | ECO APPR | DNg | 11.21.24 | REV. B | | |