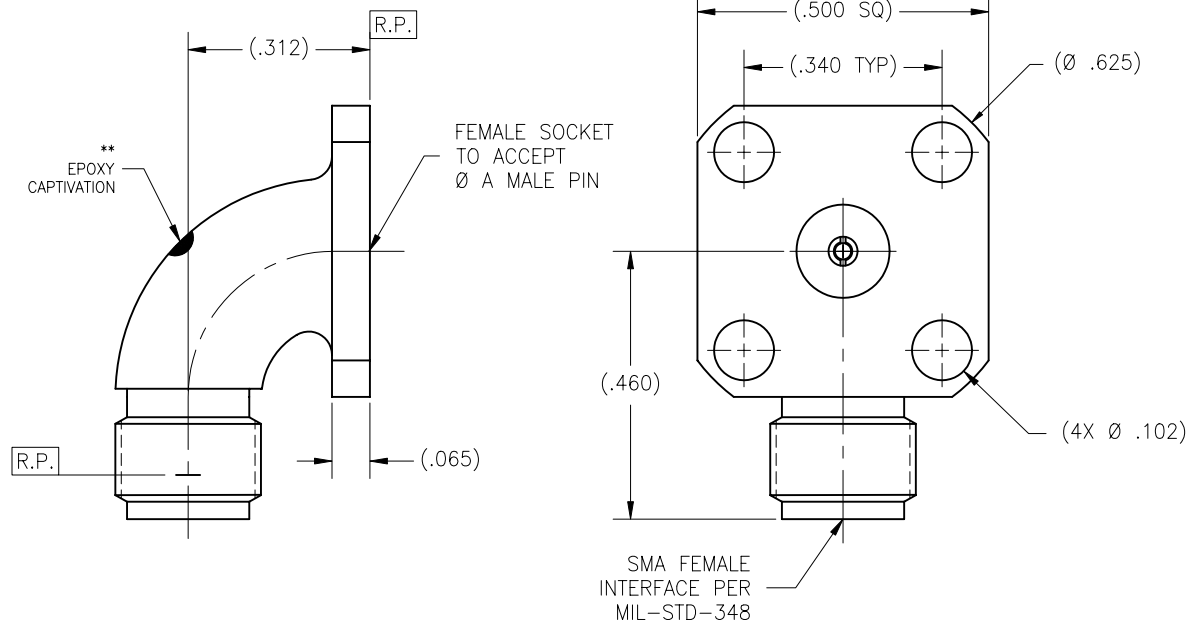


| 4        |           |  |          |           |
|----------|-----------|--|----------|-----------|
| P/N      | Ø A ±.001 |  | P/N      | Ø A ±.001 |
| -1       | .036      |  | -4       | .012      |
| -1CC     | .036      |  | -4CC     | .012      |
| -1CCCE   | .036      |  | -4CCCE   | .012      |
| -1CCCESF | .036      |  | -4CCCESF | .012      |
| -1CCSF   | .036      |  | -4CCSF   | .012      |
| -1SF     | .036      |  | -4SF     | .012      |
| -2       | .020      |  | -5       | .015      |
| -2CC     | .020      |  | -5CC     | .015      |
| -2CCCE   | .020      |  | -5CCCE   | .015      |
| -2CCCESF | .020      |  | -5CCCESF | .015      |
| -2CCSF   | .020      |  | -5CCSF   | .015      |
| -2SF     | .020      |  | -5SF     | .015      |
| -3       | .010      |  | -6       | .018      |
| -3CC     | .010      |  | -6CC     | .018      |
| -3CCCE   | .010      |  | -6CCCE   | .018      |
| -3CCCESF | .010      |  | -6CCCESF | .018      |
| -3CCSF   | .010      |  | -6CCSF   | .018      |
| -3SF     | .010      |  | -6SF     | .018      |



| REVISIONS |     |             |          |     |
|-----------|-----|-------------|----------|-----|
| ZONE      | REV | DESCRIPTION | DATE     | BY  |
| —         | A   | ECO 20336   | 06.20.07 | DKN |
| —         | B   | ECO 20517   | 08.30.07 | DKN |
| —         | C   | ECO 24313   | 03.28.11 | DKN |

\*\* NOT APPLICABLE TO BASIC AND SF

| MATERIAL(S):                                                                                                                                                                                                     | ELECTRICAL(S):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MECHANICAL(S):                                                                                                                                                                                                                                                                                                                                           | ENVIRONMENTAL(S):                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body:<br>304 sst per SAE-AMS-5511.<br>Center Conductor:<br>BeCu alloy per ASTM B-196.<br>Dielectric:<br>PTFE per ASTM D-1710.<br>Epoxy: (for CC's)<br>Sigma VF Type HV.<br>Epoxy: (for CCCE's)<br>Ablebond 16-1. | Impedance: 50 Ohms nominal.<br>Frequency Range: DC to 18 GHz.<br>Typical VSWR: $1.06 + .005 \times f(\text{GHz})$ .<br>Insertion Loss: .10 dB max @ 6GHz.<br>Working Voltage: 335 Vrms max @ sea level.<br>Dielectric Withstanding Voltage: 1,500 Vrms min.<br>R.F. HiPot Voltage: 1,000 Vrms min @ 5MHz.<br>Corona Level: 375 Vrms @ 70,000 ft.<br>Insulation Resistance: 5,000 MegOhms min.<br>R.F. Leakage: -60 dB min. from 2-3 GHz.<br>Contact Resistance:<br>Initial:<br>Center Contact: 3.0 Milliohm max.<br>Outer Contact: 2.0 Milliohm max. | Mating Characteristics:<br>Interface per Mil-Std-348.<br>Force To Engage & Disengage:<br>Torque: 2 inch-pounds max.<br>Longitudinal Force: NA.<br>Connector Durability:<br>500 cycles min @ 12 cycles/minute max.<br>Permeability: Less than 2.0 mu.<br>* Center Contact Captivation:<br>Axial Force: 6 pounds max.<br>Radial Torque: 4 inch-ounces max. | Temperature Range: -65°C to +125°C.<br>Thermal Shock:<br>Mil-Std-202, Method 107, Test Cond. C.<br>Moisture Resistance:<br>Mil-Std-202, Method 106, Insulation resistance at<br>least 200 MegOhms within 5 minutes after removal<br>from humidity.<br>Corrosion:<br>Mil-Std-202, Method 101, Test Cond. B.<br>Vibration:<br>Mil-Std-202, Method 204, Test Cond. D.<br>Shock:<br>Mil-Std-202, Method 213, Test Cond. I. |
|                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | * Applicable to CC, CCSF, CCCE & CCCESF                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                                                                      |  |                                  |           |           |                                                     |  |   |  |   |  |   |  |   |  |
|----------------------------------------------------------------------|--|----------------------------------|-----------|-----------|-----------------------------------------------------|--|---|--|---|--|---|--|---|--|
| FINISH(ES):                                                          |  | APPLICABLE CARLISLE IT DOCUMENTS |           |           | TOLERANCES AND NOTES EXCEPT AS NOTED                |  | - |  | - |  | - |  | - |  |
| Body: (for SF's)                                                     |  | WORK STD                         | PROD INST | ASSY INST | DIMENSIONS ARE IN INCHES.                           |  | - |  | - |  | - |  | - |  |
| Passivate per ASTM A-967.                                            |  | NA                               | NA        | NA        | LINEAR .XX ±.015                                    |  | - |  | - |  | - |  | - |  |
| Body: (for Basic & CC's)                                             |  |                                  |           |           | XXX' ±.005 ANGULAR ± 1/2'                           |  | - |  | - |  | - |  | - |  |
| Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. |  |                                  |           |           | FRACTION ± 1/32                                     |  | - |  | - |  | - |  | - |  |
| Center Conductor:                                                    |  |                                  |           |           | 1. MACHINE FINISH: 63 RMS                           |  | - |  | - |  | - |  | - |  |
| Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. |  |                                  |           |           | 2. BREAK ALL SHARP EDGES .003 MAX.                  |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 3. MACHINED FILLETS .005 MAX.                       |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 4. MACHINED SURFACES SQUARE ±.005 MAX.              |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 6. DIMENSIONS TO BE MET BEFORE PLATING.             |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 7. REMOVE ALL BURRS.                                |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 8. THREADS PER H-28.                                |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 9. REMOVE FRATED EDGES ON TEFLON.                   |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 10. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 11. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 12. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 13. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 14. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 15. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 16. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 17. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 18. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 19. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 20. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 21. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 22. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 23. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 24. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 25. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 26. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 27. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 28. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 29. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 30. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 31. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 32. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 33. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 34. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 35. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 36. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 37. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 38. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 39. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 40. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 41. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 42. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 43. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 44. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 45. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 46. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |
|                                                                      |  |                                  |           |           | 47. REMOVE ALL BURRS.                               |  | - |  | - |  | - |  | - |  |

|                   |  |               |  |                                                                                |  |                        |  |
|-------------------|--|---------------|--|--------------------------------------------------------------------------------|--|------------------------|--|
| -                 |  | -             |  | -                                                                              |  | -                      |  |
| MATERIAL          |  | SIZE          |  | SPECIFICATION                                                                  |  | PROCUREMENT            |  |
| APPROVAL INITIALS |  | DATE          |  | CARLISLE Interconnect Technologies<br>Long Beach, CA 90815                     |  |                        |  |
| DRAWN BY: R.C.    |  | 03.21.02      |  | TITLE SMA FEMALE RADIUS R/A 4 HOLE FLANGE<br>(.500 SQ) MOUNT FIELD REPLACEABLE |  |                        |  |
| CHECKED BY        |  |               |  | SCALE                                                                          |  | SUB-DIRECTORY/FILENAME |  |
| TEST ENGG         |  |               |  | 6:1                                                                            |  | OL                     |  |
| QUALITY           |  |               |  |                                                                                |  | SHEET 1 OF 1           |  |
| DESIGN ENGG       |  | H.N. 03.28.11 |  | SIZE                                                                           |  | CAGE CODE              |  |
| MFG ENGG          |  |               |  | DRAWINGS NO.                                                                   |  | REV.                   |  |
|                   |  |               |  | C 30990                                                                        |  | 5530                   |  |