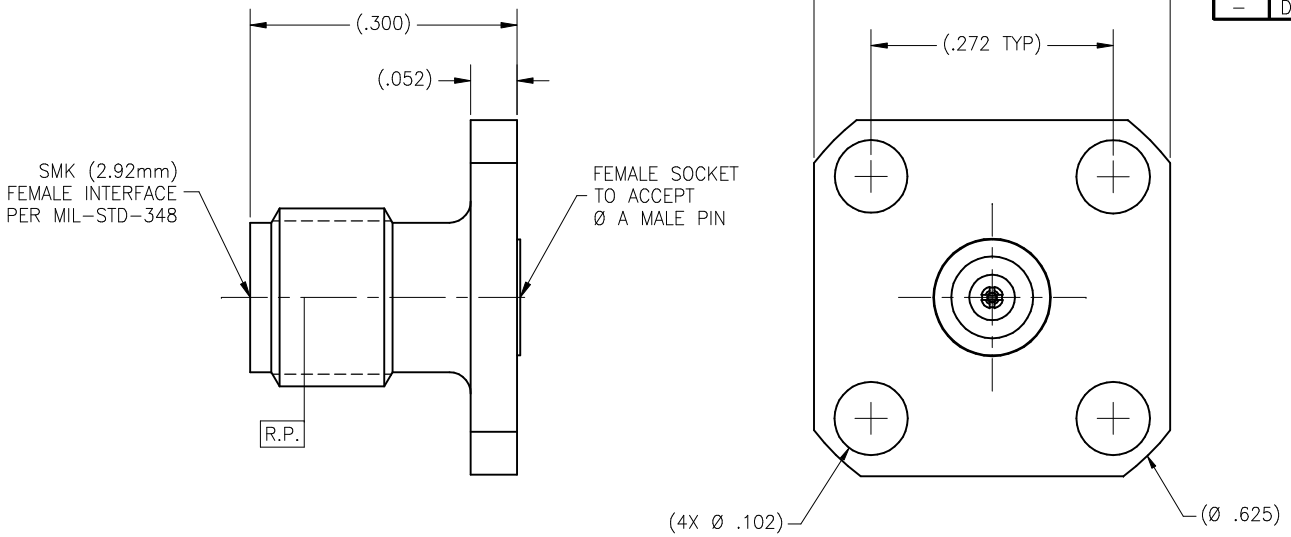
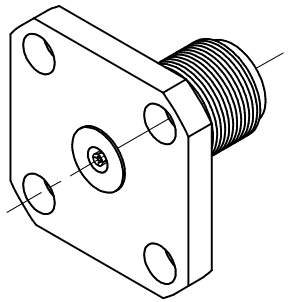
P/N	Ø A
CC	.0120±.0005
CCSF	.0120±.0005

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
–	B	ECO 12487	11/06/00	IMG
–	C	ECO 14703	07.17.02	ATV
–	D	ECO 21640	10.01.08	DKN





NOTE: ALL ITEMS TO BE SHIPPED UNASSEMBLED.

MATERIAL:

Body & Insert:
303 SST per ASTM A-582
Center Conductor:
BeCu Alloy per ASTM B-196
Bead:
High Performance

ELECTRICAL:

Impedance: 50 Ohms Nom.
Freq. Range: DC TO 40 GHz.
VSWR: 1.10:1 DC to 18 GHz.
1.25:1 18 GHz to 26 GHz.
1.50:1 26.5 GHz to 40 GHz.
Insertion Loss: 0.5 dB max to 40 GHz.
Working Voltage: 500 Vrms @ Sea Level.
Insulation Resistance: 5,000 Megohms.
Dielectric Withstand Voltage: 1,500 Vrms.
RF HiPot Voltage: 1,000 Vrms Min @ 5MHz.
RF Leakage: -(90 - f GHz) dB min.
Corona Level: 375 Vrms @ 70,000 ft.
Contact Resistance
Center Conductor:
Before Environmental: 3.0 Milliohms max.
After Environmental: 4.0 Milliohms max.
Outer Conductor:
Before Environmental: 2.0 Milliohms max.
After Environmental: Not Applicable

MECHANICAL:

Interface Dimensions:
MIL-STD-348
Connector Durability:
500 Cycles
Force to Engage and Disengage:
Logitudinal Force: NA
Torque: 2 inch-pounds max.

ENVIRONMENTAL:

Temp. Range: -65°C to +165°C
Thermal Shock:
MIL-STD-202, Method 107, Test Cond. B
Moisture Resistance:
MIL-STD-202, Method 106. Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity
Corrosion:
MIL-STD-202, Method 101, Test Cond. B
Vibration:
MIL-STD-202, Method 204, Test Cond. B
Shock:
MIL-STD-202, Method 213, Test Cond. I

FINISH:

Body & Insert:
(for CCSF): Passivate per ASTM A-967, nitric 1.
(for CC): Gold plate per ASTM B-488 over nickel plate per AMS-QQ-N-290

Center Conductor:
Gold plate per ASTM B-488 over nickel plate per AMS-QQ-N-290

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE
THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE INOTHER PROJECTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, LONG BEACH, CA 90815

TOLERANCES AND NOTES EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 .XXX ±.005 ANGULAR ± 1/2° FRACTION ± 1/32
1. MACHINE FINISH: 32 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 WITHIN .002 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28.
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

SEE NOTES		–	SEE NOTES	–
MATERIAL		SIZE	SPECIFICATION	PROCUREMENT

APPROVAL INITIALS		DATE
DRAWN BY	ATV	11.23.99
CHECKED BY		
TEST ENGG		
QUALITY		
DESIGN ENGG	DNg.	10.01.08
MFG ENGG		

CARLISLE Interconnect Technologies Long Beach, CA 90815

TITLE SMK (2.92mm) FEMALE 4 HOLE FLANGE (.500 SQ) MOUNT FIELD REPLACEABLE

SCALE	SUB-DIRECTORY\FILENAME	SHEET	OF
8:1	OL_	1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	230	D

ENG-DWG REV. C