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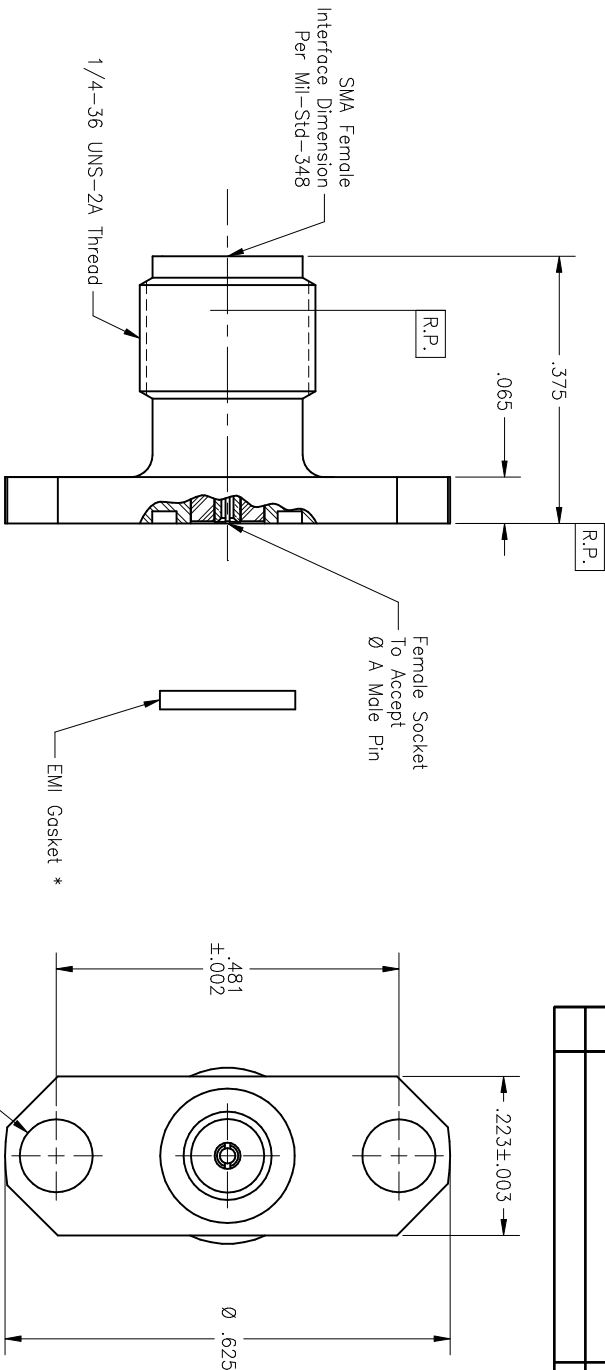
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REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 23438	08.12.10	DKN

P/N	Ø A
-20C	.0200±.0005
-20CCSF	.0200±.0005
-30C	.0100±.0005
-30CCSF	.0120±.0005
-40C	.0120±.0005
-40CCSF	.0150±.0005
-50C	.0150±.0005
-50CCSF	.0180±.0005
-60C	.0180±.0005
-60CCSF	.0180±.0005



* EMI Gasket to be packaged and shipped unassembled.

MATERIAL(S):

Body:
303 sst per ASTM A-582.
Center Conductor:
BeCu alloy per ASTM B-196.
Dielectric:
PTFE per ASTM D 1710.
EMI Gasket:
Silicone per Mil-G-83528.

ELECTRICAL:

Impedance: 50 Ohms nominal.
Frequency Range: DC to 26.0 GHz.
VSWR: 1.06 + .005 x f(GHz).
Insertion Loss: .03 √f(GHz) dB
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: 5000 MegOhms min.
R.F. Leakage: -90 dB min at 2 ~ 3 GHz.
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.

MECHANICAL:

Mating Characteristics:
Interface per Mil-Std-348.
Force To Engage & Disengage:
Torque: 2 inch-pounds max.
Longitudinal Force: NA.
Connector Durability:
500 cycles min @ 12 cycles/minute max.
Permeability: Less than 2.0 mu.
Center Contact Captivation:
Axial Force from Interface: 6 pounds min.
Axial Force from Rear End: 3 pounds min.

ENVIRONMENTAL:

Temperature Range: -65°C to +165°C.
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. B, except high temp shall be 165°C.
Moisture Resistance:
MIL-STD-202, Method 106. Insulation resistance shall be at least 200 Megohms within 5 minutes after removal from humidity
Corrosion:
Mil-Std-202, Method 101, Test Cond. C.
Vibration:
Mil-Std-202, Method 204, Test Cond. D.
Shock:
Mil-Std-202, Method 213, Test Cond. I.

FINISH(ES):

Body:
(for CCSF's): Passivate per ASTM A 967, nitric 1.
(for CC's): Gold plate ASTM B 488, type II, code C, class 0.25;
Over nickel underplate per SAE AMS-QQ-N-290, class 1.
Center Conductor:
Gold plate ASTM B 488, type II, code C or D, class 1.25;
Over nickel underplate per SAE AMS-QQ-N-290, class 1.

APPLICABLE CARLISLE IT DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE

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TOLERANCES AND NOTES

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
2. BREAK ALL SHARP EDGES .005 MAX.
3. MACHINED SURFACES SHALL BE FINISHED TO A MAXIMUM SURFACE FINISH OF 32 RMS.
4. ALL DIMENSIONS SHALL BE WITHIN .005 INCHES PER INCH.
5. DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF THE HOLE OR THE CENTER OF THE PIN.
6. DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF THE HOLE OR THE CENTER OF THE PIN.
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10. DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF THE HOLE OR THE CENTER OF THE PIN.

APPROVAL

APPROVAL	INITIALS	DATE
DESIGN BY	R.C.	04.01.02
CHECKED BY		
TEST ENG		
DESIGN ENG	ATV	06.19.02
MFG ENG		
ECO APPR		

SPECIFICATION

TITLE	SMA FEMALE 2 HOLE FLANGE (.223 X .625)
MOUNT FIELD	REPLACEMENT (W/ GASKET)
SCALE	8:1
DRAWN BY	30990
CHECKED BY	
DATE	5602

PROCUREMENT

SHEET	1	OF	1
REV	A		