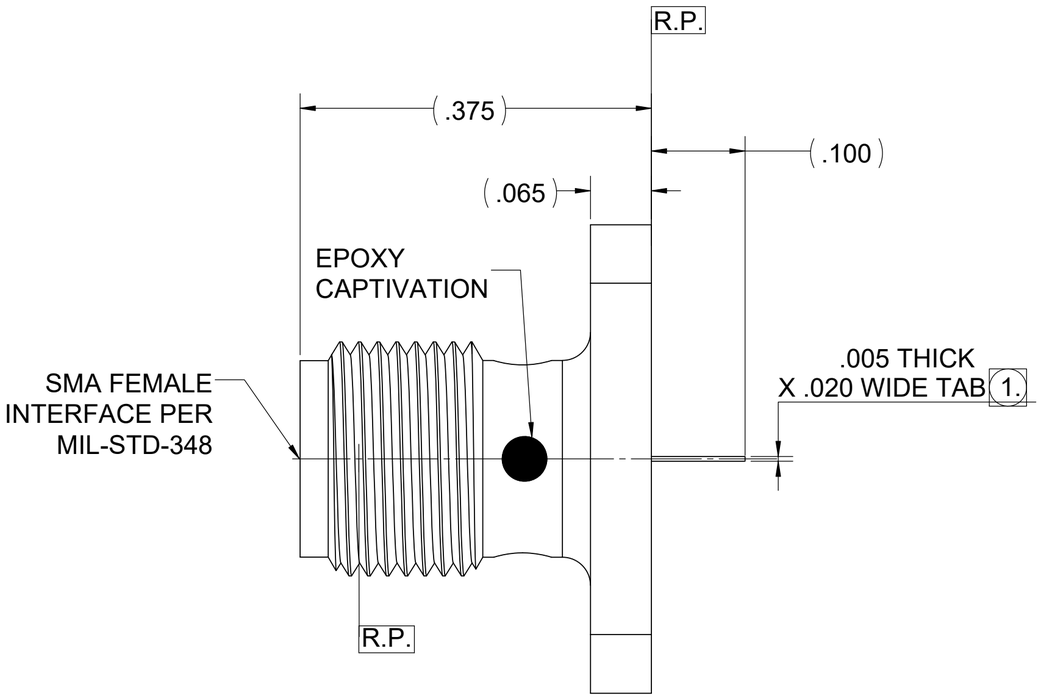
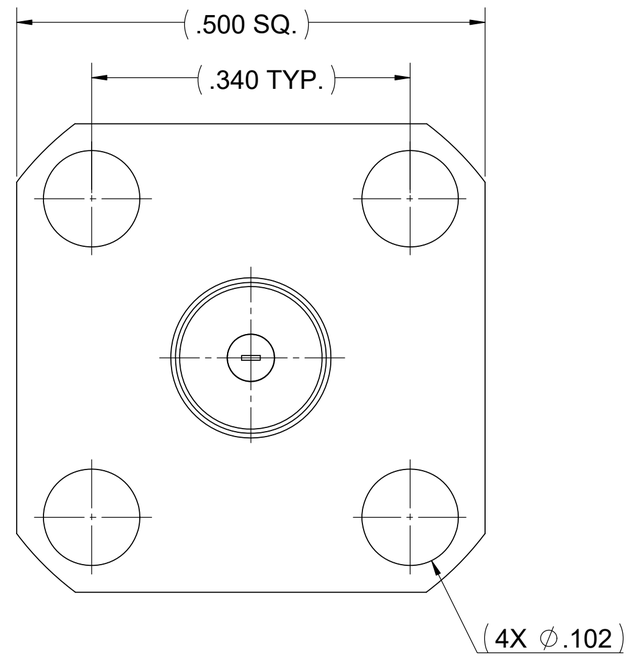
P/N
5763
5763-SF
5763-CC
5763-CCSF

REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
23058	A	INITIAL RELEASE	DKN	04.07.10
204869	E	MATCHING REV W/ MFG DWG	YP	12.17.25
205813	F	REDRAWN IN SW	PAW	07.01.26





NOTE(S):
1. CENTER CONDUCTOR TO BE SUPPLIED UNASSEMBLED FOR BASIC & SF ONLY.
2. CONNECTOR TO BE SHIPPED WITH PROTECTIVE CAP (NOT SHOWN). NOT APPLICABLE TO BASIC & SF.
3. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.

MATERIAL(S):

BODY:
303 SST PER ASTM A-582.
CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B-196.
DIELECTRIC:
PTFE PER ASTM D-1710.
EPOXY:
SIGMA VF TYPE HV.

ELECTRICAL(S):

IMPEDANCE: 50 OHMS NOMIAL.
FREQUENCY RANGE: DC TO 18.0 GHz.
VSWR: 1.05 + .005 x (fGHz).
INSERTION LOSS: .03√f(GHz) dB.
WORKING VOLTAGE: 335 Vrms MAX@SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE:
1000 Vrms MIN.
R.F. HiPOT VOLTAGE: 670 Vrms MIN @ 5MHz.
CORONA LEVEL: 375 Vrms @ 70,000 ft.
INSULATION RESISTANCE: 5000 MEGOHMS MIN.
R.F. LEAKAGE:
-(90 - fGHz) dB MIN FOR BASIC & SF.
-(60 - fGHz) dB MIN FOR CC & CCSF.
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

MECHANICAL(S):

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.
TORQUE: 4 INCH-OUNCES MIN.

*APPLICABLE TO CC & CCSF

ENVIROMENTAL(S):

TEMPERATURE 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 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(ES):

BODY:
(for SF's): PASSIVATE PER ASTM A-967.
(for BASIC & CC's): GOLD PLATE PER ASTM B-488,
OVER NICKEL UNDER PLATE PER SAE-AMS-QQ-N-290.
CENTER CONDUCTOR:
GOLD PLATE PER ASTM B-488,
OVER NICKEL UNDER PLATE PER SAE-AMS-QQ-N-290.

RoHS 3 Compliant
EU 2015/863

APPLICABLE Amphenol CDI DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO AMPHENOL. AND SHALL IN NO WAY BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OR USED FOR ANY DESIGN OR MANUFACTURE EXCEPT WHEN SUCH USER POSSESSES DIRECT, WRITTEN AUTHORIZATION FROM AMPHENOL.

TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 / .XXX ±.005
FRACTION ± 1/32 ANGULAR ± 1/2°
1. INTERPRET DRAWING PER ASME Y14.5 - 2018
2. MACHINE FINISH: 63 RMS
3. BREAK ALL SHARP EDGES .003 MAX.
4. MACHINED FILLETS .005 MAX.
5. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
6. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
7. DIMENSIONS TO BE MET AFTER PLATING.
8. CHAMFER ALL THREADS 45°.
9. THREADS PER H-28
10. REMOVE FRAYED EDGES ON TEFLON.
11. REMOVE ALL BURRS.

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MATERIAL	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	R.C.	03/25/02

SEE ECO FOR APPROVAL SIGNATURES

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SMA FEMALE 4 HOLE (.500 SQ) FLANGE MOUNT TO TAB TERMINATION

SCALE		SHEET	OF
8:1		1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5763	F