

NOTES:

I. MATERIALS AND FINISHES:

BODY	-	ZINC DIECAST	-	NICKEL PLATED (.000200" MIN.)
OUTER CONTACT	-	BRASS	-	NICKEL PLATED (.000100" MIN.)
FEMALE CONTACT	-	BERYLLIUM COPPER	-	GOLD PLATED (.000030" MIN.) OVER NICKEL
SPRING RING	-	BERYLLIUM COPPER	-	NICKEL PLATED
FERRULE	-	COPPER ALLOY	-	NICKEL PLATED
CAP	-	BRASS	-	NICKEL PLATED
INSULATOR			-	PTFE

2. ELECTRICAL:

A. IMPEDANCE = 75 OHMS, NOMINAL
B. FREQUENCY RANGE = DC - 2.0 GHz
C. VSWR (RETURN LOSS) = 1.430 MAX. (15.0 dB)

3. PHYSICAL:

A. TEMPERATURE RANGE = -65°C TO +165°C (-85°F TO +329°F)
B. INTERFACE = MATES WITH MIL-STD-348, SMB SERIES, FIGURE 311.1
C. CRIMP TOOLS = FERRULE: .178 HEX

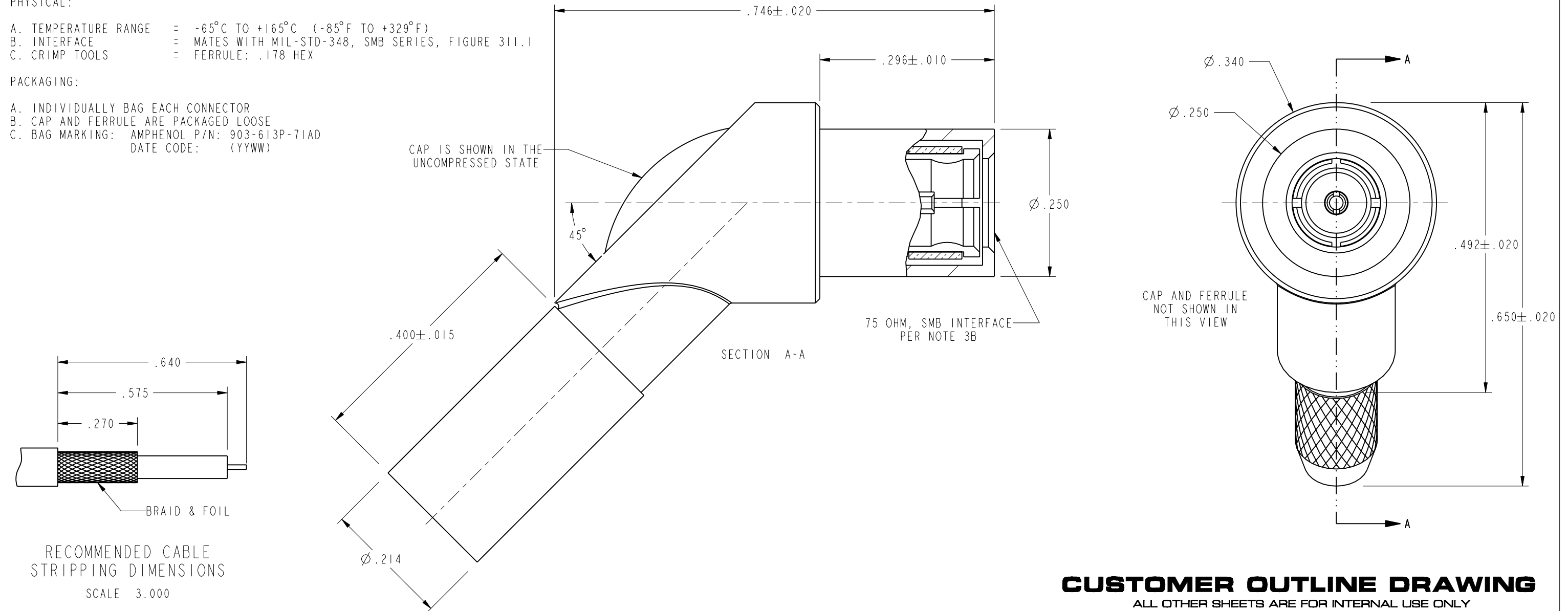
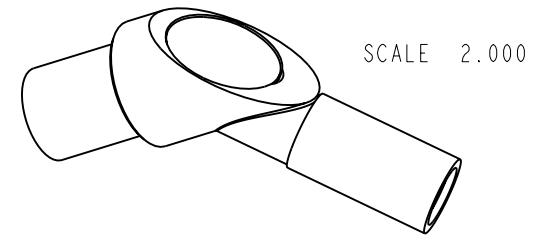
4. PACKAGING:

A. INDIVIDUALLY BAG EACH CONNECTOR
B. CAP AND FERRULE ARE PACKAGED LOOSE
C. BAG MARKING: AMPHENOL P/N: 903-613P-71AD
DATE CODE: (YYWW)

903-613P-71AD

REVISIONS

DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ. 	A	RELEASE TO MFG	6/5/02	44067	CPM



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:

2 PLACE DECIMAL	3 PLACE DECIMAL	ANGLES
±.015 (0,381 mm)	±.005 (0,127 mm)	± 1°

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MATERIAL	QTY	UNIT	PRICE	TOTAL
1000	100	100	100	10000
2000	200	200	200	40000
3000	300	300	300	90000
4000	400	400	400	160000
5000	500	500	500	250000
6000	600	600	600	360000
7000	700	700	700	490000
8000	800	800	800	640000
9000	900	900	900	810000
10000	1000	1000	1000	1000000
11000	1100	1100	1100	1210000
12000	1200	1200	1200	1440000
13000	1300	1300	1300	1690000
14000	1400	1400	1400	1960000
15000	1500	1500	1500	2250000
16000	1600	1600	1600	2560000
17000	1700	1700	1700	2890000
18000	1800	1800	1800	3240000
19000	1900	1900	1900	3610000
20000	2000	2000	2000	4000000
21000	2100	2100	2100	4410000
22000	2200	2200	2200	4840000
23000	2300	2300	2300	5290000
24000	2400	2400	2400	5760000
25000	2500	2500	2500	6250000
26000	2600	2600	2600	6760000
27000	2700	2700	2700	7290000
28000	2800	2800	2800	7840000
29000	2900	2900	2900	8410000
30000	3000	3000	3000	9000000
31000	3100	3100	3100	9610000
32000	3200	3200	3200	10240000
33000	3300	3300	3300	10890000
34000	3400	3400	3400	11560000
35000	3500	3500	3500	12250000
36000	3600	3600	3600	12960000
37000	3700	3700	3700	13690000
38000	3800	3800	3800	14440000
39000	3900	3900	3900	15210000
40000	4000	4000	4000	16000000
41000	4100	4100	4100	16810000
42000	4200	4200	4200	17640000
43000	4300	4300	4300	18490000
44000	4400	4400	4400	19360000
45000	4500	4500	4500	20250000
46000	4600	4600	4600	21160000
47000	4700	4700	4700	22090000
48000	4800	4800	4800	23040000
49000	4900	4900	4900	24010000
50000	5000	5000	5000	25000000
51000	5100	5100	5100	26010000
52000	5200	5200	5200	27040000
53000	5300	5300	5300	28090000
54000	5400	5400	5400	29160000
55000	5500	5500	5500	30250000
56000	5600	5600	5600	31360000
57000	5700	5700	5700	32490000
58000	5800	5800	5800	33640000
59000	5900	5900	5900	34810000
60000	6000	6000	6000	36000000
61000	6100	6100	6100	37210000
62000	6200	6200	6200	38440000
63000	6300	6300	6300	39690000
64000	6400	6400	6400	40960000
65000	6500	6500	6500	42250000
66000	6600	6600	6600	43560000
67000	6700			

REFERENCE
EAR# 215
GEN# ASSYMI7_SMB
615X-1673-800

DRAWN
C. McGRATH

DATE
5/23/02

ENGINEER
B.C. GLEISSNER

DATE
5/23/02

APPROVED
O. BARTHELMES

DATE
5/29/02

CAD FILE
I:\SMB\903-613P-71AD

TITLE

SMB PLUG, 45 DEGREE,
75 OHM FOR 735A CABLE
ZINC DIECAST BODY

Amphenol

Amphenol Corporation
Communication and Network
Products Division
Danbury, CT U.S.A. 06810

SCALE: 6.0:1	SHEET 2 OF 2
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CODE ID
74868

DWG SIZE
B

DRAWING NO.
903-613P-71AD

REV
A