

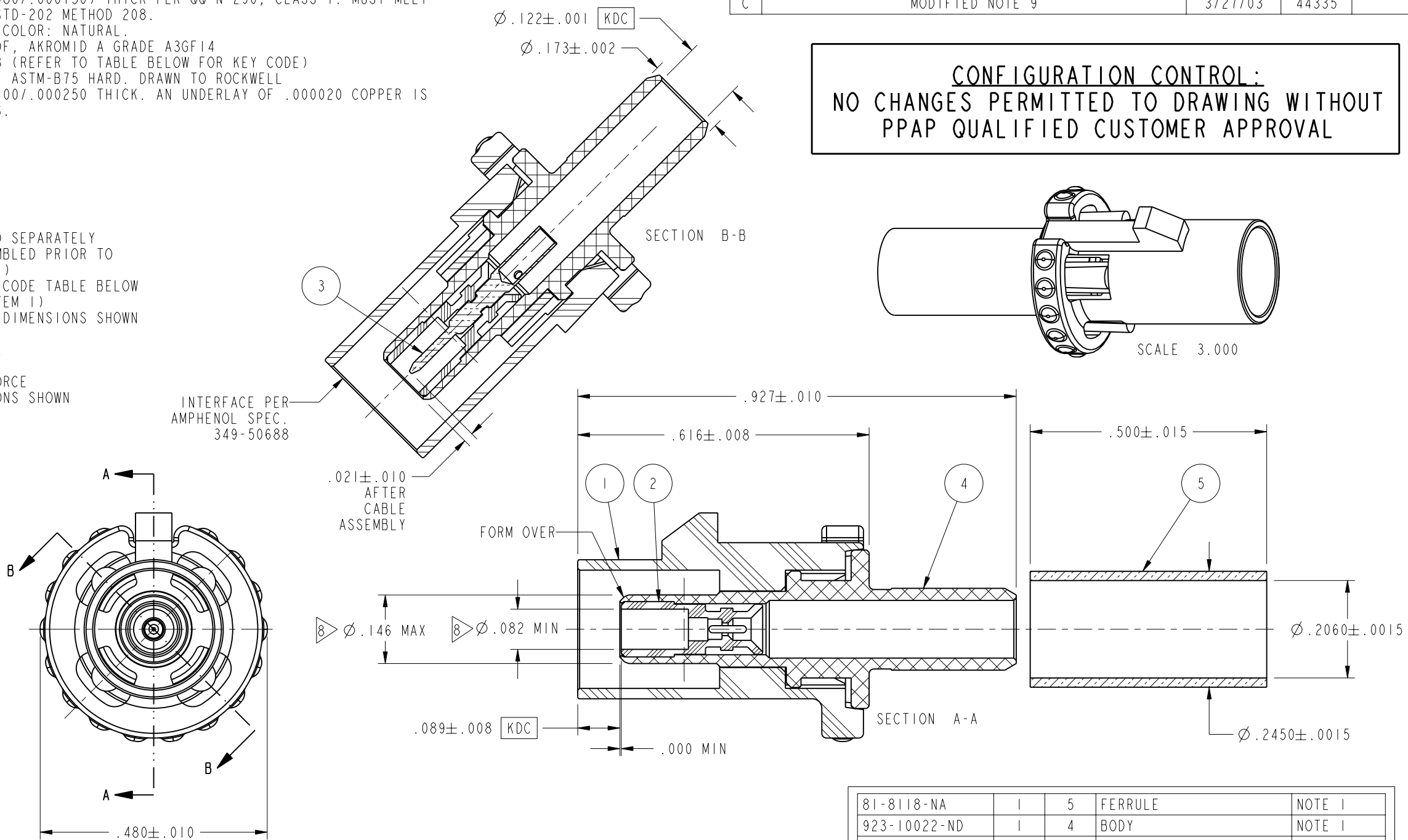
NOTES:

- MATERIALS OF CONSTRUCTION:
 BODY = ZINC DIE CAST (ZAMAK #3 PER ASTM-B86), NICKEL PLATED(.000150/.000200) THICK PER QQ-N-290, CLASS 1 OVER COPPER PLATE (.0001/.0002) THICK PER MIL-C-14550, CLASS 4. (FOR ZINC DIE CAST PARTS).
 MALE CONTACT = BRASS (ASTM-B-16 H02, C36000), GOLD PLATED (.000030/.000050) THICK PER MIL-G-45204, TYPE 11 GRADE C, OVER NICKEL (.000080/.000130) THICK PER QQ-N-290, CLASS 1. MUST MEET SOLDERABILITY REQUIREMENTS OF MIL-STD-202 METHOD 208.
 INSULATOR = TPX RT18, POLYMETHYLPENTENE COPOLYMER, COLOR: NATURAL.
 FAKRA HOUSING = NYLON 66, 14% GLASS FILLED, PER KDF, AKROMID A GRADE A3GF14
 COLOR PER AMPHENOL SPEC. 349-50688 (REFER TO TABLE BELOW FOR KEY CODE)
 FERRULE = SEAMLESS COPPER TUBING, ALLOY 122 (DHP), ASTM-B75 HARD. DRAWN TO ROCKWELL 58-77 ON 30T SCALE, NICKEL PLATED (.000100/.000250 THICK. AN UNDERLAY OF .000020 COPPER IS OPTIONAL TO ASSIST ADHESION REQUIREMENTS.
- ELECTRICAL:
 A. IMPEDANCE: 50 OHM
 B. FREQUENCY RANGE: DC - 3 GHz
 C. VSWR(RETURN LOSS): 1.18 (21.66 dB), MAX.
- MECHANICAL:
 A. DURABILITY: 50 CYCLES MIN.
 B. TEMPERATURE RANGE: -65° C TO 165° C
- CONTACT (ITEM 3) AND FERRULE (ITEM 5) ARE PACKAGED SEPARATELY
- BODY (ITEM 4) AND INSULATOR (ITEM 2) MUST BE ASSEMBLED PRIOR TO INSERTING BODY (ITEM 4) INTO FAKRA HOUSING (ITEM 1)
- TO DETERMINE FAKRA HOUSING (ITEM 1) USED, SEE KEY CODE TABLE BELOW
- BODY (ITEM 4) IS A SNAP FIT INTO FAKRA HOUSING (ITEM 1)
- INSULATOR (ITEM 2) AND BODY (ITEM4) MUST MAINTAIN DIMENSIONS SHOWN AFTER BODY (ITEM 4) IS FORMED OVER
- INSULATOR, FRONT (ITEM 2) MUST WITHSTAND AXIAL FORCE OF 8.0 LBS, AND MAINTAIN DIMENSIONS SHOWN.
- BODY (ITEM 4) MUST WITHSTAND 110 N MIN PULL OUT FORCE FROM FAKRA HOUSING (ITEM 1). AND MAINTIAN DIMENSIONS SHOWN
- PACKAGING:
 A. QUANTITY: SINGLE PACK
 B. MARKING: BAG TO BE MARKED "AMPHENOL, 2FAI-NXSP-C04-1, AND DATE CODE"
- RECOMMENDED CABLE ASSEMBLY INSTRUCTIONS FOUND ON AMPHENOL SPEC. 349-50695

2FAI-NXSP-C04-1		REVISIONS			
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG.	10/21/02	44201	MAH
	B	MODIFIED BODY AND CONTACT PLATING NOTE	10/31/02	44266	
	C	MODIFIED NOTE 9	3/27/03	44335	

CONFIGURATION CONTROL:
 NO CHANGES PERMITTED TO DRAWING WITHOUT
 PPAP QUALIFIED CUSTOMER APPROVAL

KEY CODE	ASSEMBLY PART #	FAKRA HOUSING PART #
A	2FAI-NASP-C04-1	923-10020-A
B	2FAI-NBSP-C04-1	923-10020-B
C	2FAI-NCSP-C04-1	923-10020-C
D	2FAI-NDSP-C04-1	923-10020-D
E	2FAI-NESP-C04-1	923-10020-E
F	2FAI-NFSP-C04-1	923-10020-F
G	2FAI-NGSP-C04-1	923-10020-G
H	2FAI-NHSP-C04-1	923-10020-H
I	2FAI-NISP-C04-1	923-10020-I
K	2FAI-NKSP-C04-1	923-10020-K
L	2FAI-NLSP-C04-1	923-10020-L
M	2FAI-NMSP-C04-1	923-10020-M
W	2FAI-NWSP-C04-1	923-10020-W
Z	2FAI-NZSP-C04-1	923-10020-Z



81-8118-NA	1	5	FERRULE	NOTE 1
923-10022-ND	1	4	BODY	NOTE 1
923-10025-HK	1	3	CONTACT	NOTE 1
923-10023	1	2	INSULATOR, FRONT	
923-10020-X	1	1	FAKRA HOUSING	
PART NUMBER	QTY.	ITEM	DESCRIPTION	FINISH

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMAL ±.015 (0,381 mm) 3 PLACE DECIMAL ±.005 (0,127 mm) ANGLES ± 1°	MATERIAL	DRAWN MIKE HOYACK	DATE 11-Sep-02	TITLE FAKRA STRAIGHT PLUG C04 CABLE GROUP (RG-58)	Amphenol Amphenol Corporation Communication and Network Products Division Danbury, CT U.S.A. 06810 SCALE: 4.0:1 SHEET 1 OF 1	
	REFERENCE EAR 533 GEN# ASSYM2_FAKRA 615X-1775-400 KDC = KEY DESIGN CHARACTERISTICS	ENGINEER MIKE HOYACK	DATE 16-May-02			APPROVED O. BARTHELMES
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