NOTES:

I. MATERIALS & FINISHES:

BODY = BRASS (ASTM-B-16 HO2, C36000), NICKEL PLATED(.000100/.000250) THICK AN UNDERLAY OF .000020 COPPER IS OPTIONAL TO ASSIST ADHESION REQUIREMENTS.

SLEEVE = BRASS (ASTM-B16, HO2, C36000), NICKEL PLATED (.000100/.000250) THICK AN UNDERLAY OF .000020 COPPER IS OPTIONAL TO ASSIST ADHESION REQUIREMENTS.

MALE CONTACT = BRASS (ASTM-B-16 H02, C36000), TIN PLATE (.0001007.000300) THICK PER MIL-T-10727.

MALE CONTACT = BRASS (ASTM-B-16 HO2, C36000), TIN PLATE (.000100/.000300) THICK PER MIL-T-10727.

COMPRESSION RING = MUSIC WIRE, HIGH CARBON STEEL ALLOY PER ASTM A228.

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.

INSULATOR = TPX RT18, POLYMETHYPENTENE COPOLYMER, COLOR: NATURAL.

SPLIT WASHERS (2) = BLUE TEMPER SPRING STEEL, 1075
INSULATOR, REAR = PTFE (ASTM D-1710 OR D-1457-91A)

SPACER = BRASS (ASTM-B-16 HO2, C36000), NICKEL PLATED(.000100/.000250) THICK.

AN UNDERLAY OF .000020 COPPER IS OPTIONAL TO ASSIST ADHESION REQUIREMENTS

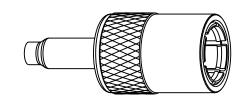
AN UNDERLAY OF .000020 COPPER IS OPTIONAL TO ASSIST ADHESION REQUIREMENTS.

2. PACKAGING:

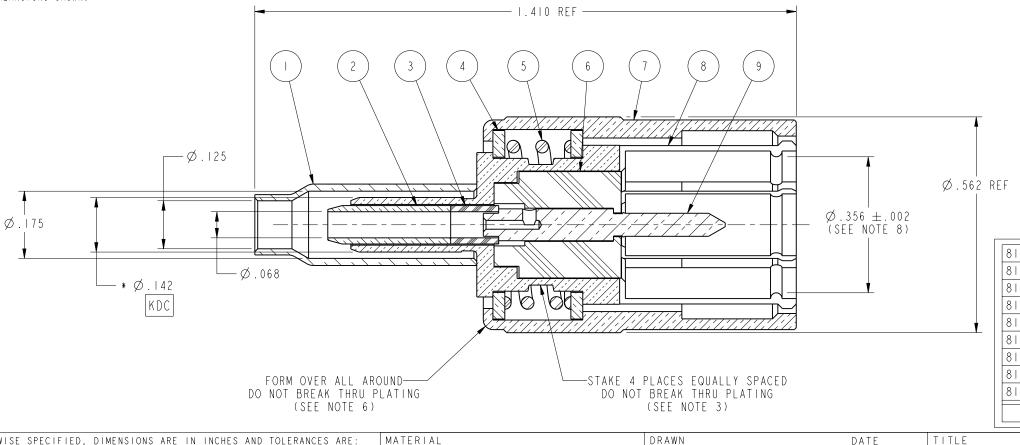
- A. BULK PACKAGE CONNECTOR 100 PER BAG
- B. MARK BAG OR TAG "81-202-4050 YYWW"
- 3 INSULATOR (ITEM 6) IS A SLIP FIT INTO BODY (ITEM 8). STAKE BODY AS SHOWN TO RETAIN INSULATOR.
- 4. ITEMS 1, 2, 3, & 9 TO BE SUPPLIED UNASSEMBLED (LOOSE).
- 5. INSULATOR MUST WITHSTAND A 6 LB. MIN. PUSHOUT FORCE FROM CABLE END OF CONNECTOR.
- 6. SLEEVE, ITEM 7, MUST WITHSTAND A 75LB. MIN. PULL.
- 7. CABLE ASSEMBLY INSTRUCTIONS
 - TRIM CABLE AS SHOWN
 - SLIP FERRULE (ITEM I) OVER JACKET
 - SLIP SPACER (ITEM 2) AND THEN REAR INSULATOR (ITEM 3) IN ORDER SHOWN OVER CABLE DIELECTRIC
 - SLIP CONTACT (ITEM 9) OVER CABLE CENTER CONDUCTOR
 - CRIMP USING AMPHENOL TOOL 227-944 (M22520/5-01) AND DIE SET 227-1221-9,
 - CAVITY "A" (.178 HEX.) AND CAVITY "B" (.068 HEX.)
- 8. AFTER ASSEMBLY, THE BODY TINES (ITEM 8) MUST MEET THE DIMEMNSIONS SHOWN.

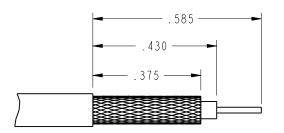
81-202-4050 REVISIONS DRAWING NO REV DESCRIPTION DATE ECO APPR THIRD ANGLE PROJ. \oplus Α RELEASE TO MFG 2/6/02 43949 CPM В SPLIT WASHERS WERE NICKEL PLATED BECU 8/12/02 44 | 49 CPM A) ITEM 8 WAS: 81-8132-NA 3/13/03 44397 BCG B) ADDED NOTE 8 & Ø.356 ±.002

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



SCALE 1.500





RECOMMENDED CABLE TRIM DIMENSIONS SCALE 3.000

81-8133-TE		9	MALE CONTACT	NOTE I
8 I - 8 I 4 9 - N A		8	BODY	NOTE I
81-8115-NA		7	SLEEVE	NOTE I
81-8131	I	6	INSULATOR	
81-8116		5	COMPRESSION SPRING	
81-8117	2	4	SPLIT WASHER	
81-8130		3	INSULATOR, REAR	
81-8129-NA		2	SPACER	NOTE I
81-8128-NA	Ī	Ī	FERRULE	NOTE I
PART NUMBER	QTY.	ITEM	DESCRIPTION	FINISH

UNLESS OTHERWISE SPE	CIFIED, DIMENSION	NS ARE IN INC	HES AND TOLERANCE	S ARE:
2 PLACE DECIMAL	3 PLACE	DECIMAL	ANGLES	
$\pm .015$ (0,381 mm)	±.005 (0	,127 mm)	± l°	
NTICE TI . IN THE		11 1 1 7.1	V	

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REFERENCE EAR# 467 GEN# ASSYM6_MINI-UHF MODEL: 81-202-4050 611X-4018

KDC = KEY DESIGN CHARACTERISTICS

MIKE HOYACK 08/07/02 ENGINEER DATE OWEN BARTHELMES 11/28/01 APPROVED DATE OWEN BARTHELMES 2/6/02 CAD FILE

I:\MINI-UHF\81-202-4050

MINI-UHF PLUG SNAP LOCK TYPE FOR RG-174 CABLE Amphenol Amphenol Corporation

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

SCALE: 4.0:1 SHEET

CODE ID DWG SIZE DRAWING NO. REV 81-202-4050 74868