

NOTES:
1. MATERIALS & FINISHES:
BODY = BRASS (ASTM-B-16 H02, C36000), NICKEL PLATED(.000100/.000250) THICK.
AN UNDERLAY OF .000020 COPPER IS OPTIONAL TO ASSIST ADHESION REQUIREMENTS.
SLEEVE = BRASS (ASTM-B16, H02, 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 (.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 H02, C36000), NICKEL PLATED(.000100/.000250) THICK.
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
A. TRIM CABLE AS SHOWN
B. SLIP FERRULE (ITEM 1) OVER JACKET
C. SLIP SPACER (ITEM 2) AND THEN REAR INSULATOR (ITEM 3) IN ORDER SHOWN OVER CABLE DIELECTRIC
D. SLIP CONTACT (ITEM 9) OVER CABLE CENTER CONDUCTOR
E. 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

DRAWING NO.
THIRD ANGLE PROJ.

REV
A
B
C

DESCRIPTION
RELEASE TO MFG
SPLIT WASHERS WERE NICKEL PLATED BECU
A) ITEM 8 WAS: 81-8132-NA
B) ADDED NOTE 8 & Ø.356 ±.002

DATE
2/6/02
8/12/02
3/13/03

ECO
43949
44149
44397

APPR
CPM
CPM
BCG

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

SCALE 1.500

FORM OVER ALL AROUND
DO NOT BREAK THRU PLATING
(SEE NOTE 6)

STAKE 4 PLACES EQUALLY SPACED
DO NOT BREAK THRU PLATING
(SEE NOTE 3)

RECOMMENDED CABLE TRIM DIMENSIONS
SCALE 3.000

81-8133-TE	1	9	MALE CONTACT	NOTE 1
81-8149-NA	1	8	BODY	NOTE 1
81-8115-NA	1	7	SLEEVE	NOTE 1
81-8131	1	6	INSULATOR	
81-8116	1	5	COMPRESSION SPRING	
81-8117	2	4	SPLIT WASHER	
81-8130	1	3	INSULATOR, REAR	
81-8129-NA	1	2	SPACER	NOTE 1
81-8128-NA	1	1	FERRULE	NOTE 1
PART NUMBER	QTY.	ITEM	DESCRIPTION	FINISH

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

REFERENCE
EAR# 467
GEN# ASSYM6_MINI-UHF
MODEL: 81-202-4050
611X-4018
KDC = KEY DESIGN CHARACTERISTICS

DRAWN
MIKE HOYACK

ENGINEER
OWEN BARTHELMES

APPROVED
OWEN BARTHELMES

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

DATE
08/07/02

DATE
11/28/01

DATE
2/6/02

TITLE
MINI-UHF PLUG,
SNAP LOCK TYPE
FOR RG-174 CABLE

CODE ID
74868

DWG SIZE
B

DRAWING NO.
81-202-4050

REV
C

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

SCALE: 4.0:1

SHEET 1 OF 1