

NOTES:  
1. MATERIALS AND FINISHES:  
BODY - PHOSPHOR BRONZE, NICKEL PLATING (.0001" THICK)  
CONTACT - BRASS, GOLD PLATING (.00003" THICK)  
FERRULE - BRASS, NICKEL PLATING (.0001" THICK)  
INSULATOR - PTFE

2. ELECTRICAL:  
A. IMPEDANCE: 75 OHM  
B. FREQUENCY RANGE: DC - 4 GHz  
C. VSWR(RETURN LOSS): 1.3 MAX.  
D. DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS, MIN.

3. MECHANICAL:  
A. DURABILITY: 500 CYCLES MIN.  
B. TEMPERATURE RANGE: -65° C TO +165° C

4. FERRULE TO BE CRIMPED WITH A .178 HEX DIE.  
CONTACT TO BE CRIMPED WITH A .042 SQUARE DIE  
OR A 8 PT CRIMPER AMPHENOL NUMBER 227-TI200

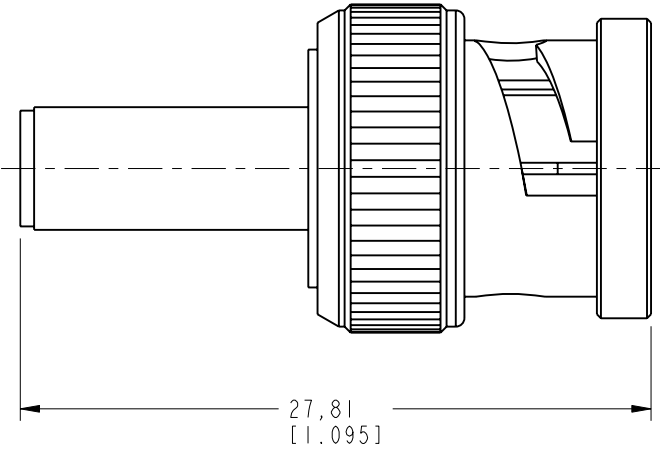
5. SHOWS CABLE ENTRY DIMENSIONS.

6. PACKAGING: BULK PACK PER TABLE

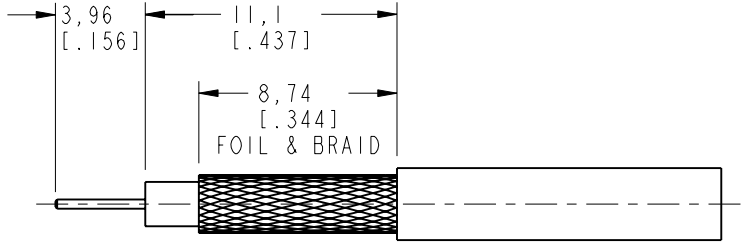
THIRD ANGLE PROJ.

REVISIONS

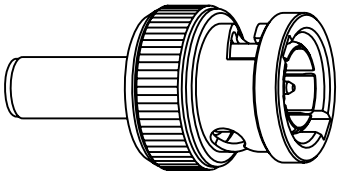
| REV | DESCRIPTION                                                                        | DATE      | ECO   | APPR  |
|-----|------------------------------------------------------------------------------------|-----------|-------|-------|
| A   | RELEASE TO MFG                                                                     | 3/27/06   | 45978 | CPM   |
| B   | NOTE 4 SHT 2 'OR A 12 POINT CENTER CONTACT INDENTOR TOOL'                          | 5/11/06   | 46083 | CPM   |
| C   | NOTE 4 '8 PT CRIMPER AMPHENOL NUMBER CTL-TI200'                                    | 8/6/07    | 46681 | TC    |
| D   | 227-TI200 WAS CTL-TI200\RD-DM110704011<br>INSIDE SPRING WAS CHANGED\RD-DM09090201K | 15-Jul-11 | 48649 | DH    |
| E   | STAMP WAS CHANGED/ RD-DM110825011                                                  | 05-Sep-11 | 48757 | SCOTT |



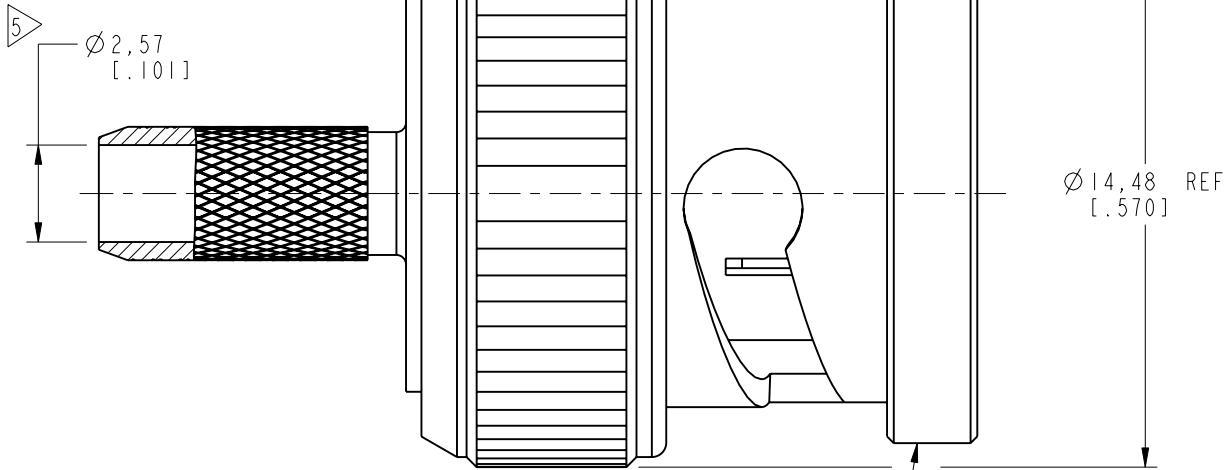
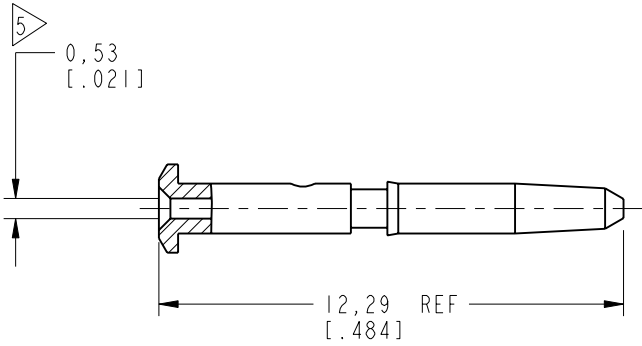
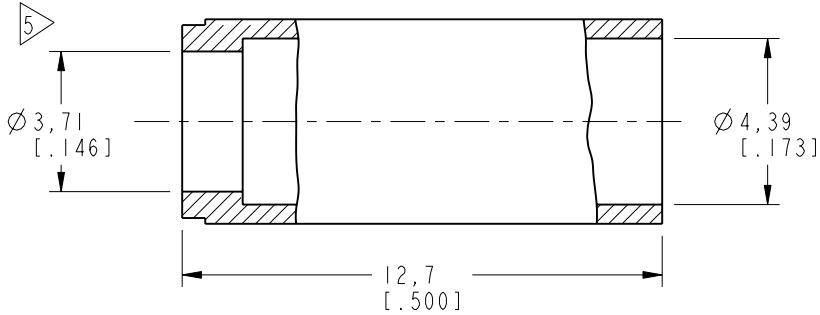
AFTER ASSEMBLY DIMENSIONS



RECOMMENDED  
CABLE STRIPPING DIMENSIONS



SCALE 1.500



STAMP: APH 31-80105-XXX WWYY

DATE CODE

| PART NUMBER  | QTY  |
|--------------|------|
| 31-80105-BIC | 100  |
| 31-80105-B2C | 200  |
| 31-80105-B5C | 500  |
| 31-80105-BIM | 1000 |

**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
<0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES  
± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°

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|                      |                         |
|----------------------|-------------------------|
| MATERIAL             | SEE NOTE                |
| REFERENCE            | EAR# 1674 AND 611x-3996 |
| CONFIGURATION LEVEL: | □□□□                    |
| FINISH               |                         |

|             |           |
|-------------|-----------|
| DRAWN       | DATE      |
| I. XU       | 26-Aug-11 |
| ENGINEER    | DATE      |
| G. ANTONINI | 03-Mar-05 |
| APPROVED    | DATE      |
| S. HSIEH    | 05-Sep-11 |
| CAD FILE    |           |

|                                        |              |
|----------------------------------------|--------------|
| TITLE                                  |              |
| 75 OHM BNC PLUG<br>FOR AT&T 735A CABLE |              |
| SCALE: 5.0:1.0                         | SHEET 2 OF 2 |
| DWG SIZE                               | REV          |
| B                                      | E            |

|                                                                       |
|-----------------------------------------------------------------------|
| Amphenol RF                                                           |
| Danbury CT USA, Tainan, Taiwan, Shenzhen, China<br>www.amphenolrf.com |
| DRAWING NO. 31-80105-XXX                                              |
| ITEM NO. 31-80105-XXX                                                 |
| PART NO. 31-80105-XXX                                                 |

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