

NOTES:

1. MATERIALS AND FINISHES:

BAYONET SLEEVE - BRASS, NICKEL PLATING .000100 THICK OVER UNDERLAY OF COPPER
BODY - BERYLLIUM COPPER, NICKEL PLATING .000100 THICK OVER UNDERLAY OF COPPER
CONTACT - BERYLLIUM COPPER, GOLD PLATING .000030" MIN. THICK OVER .000080" MIN. THICK NICKEL PLATE
FERRULE - COPPER, NICKEL PLATING .000100 THICK OVER UNDERLAY OF COPPER
INSULATOR - PTFE

2. ELECTRICAL:

- A. IMPEDANCE: 75 OHM
B. FREQUENCY RANGE: DC - 3 GHz
C. VSWR(RETURN LOSS): 1.04, @ 1GHz
1.2, @ 3GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.
E. INSULATION RESISTANCE: 10,000 MΩ MIN
F. VOLTAGE RATING: 335 VRMS
G. INSERTION LOSS: 0.10 dB @ 1 GHz

3. MECHANICAL:

- A. DURABILITY: 500 CYCLES MIN.
B. TRIM CABLE PER TRIMMING DIMENSION VIEW
C. SOLDER CENTER CONTACT
D. CRIMP FERRULE WITH .178 INCH HEX

4. ENVIRONMENTAL:

- A. THERMAL SHOCK PER MIL-STD-202 METHOD 107
TEST CONDITION B (EXCEPT HIGH TEMP @200°C)
B. VIBRATION: MIL-STD-202 METHOD 204 TEST CONDITION B
C. SHOCK: MIL-STD-202 METHOD 213 TEST CONDITION B
D. CORROSION: MIL-STD-202 METHOD 101
TEST CONDITION B 5% SALT SOLUTION

5. PACKAGING:

- A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED:
"AMPHENOL 34-1001 DATE CODE
U.S. PATENT NO. 7,553,177"

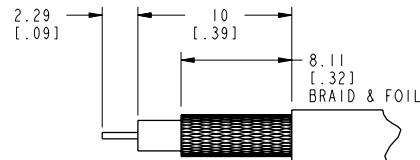
6. HIGH DENSITY INSTALLATION/REMOVAL TOOL: 227-T2000

7. "U.S. PATENT NO. 7,553,177"

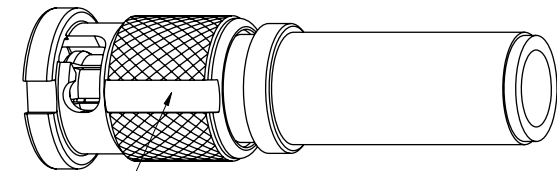
THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.		46657	GSA
B	SEE SHEET 1	10-May-10	47960	SH
C	NOTE 5-B WAS CHANGED \RD-DM11021101I	23-Feb-11	48437	SH

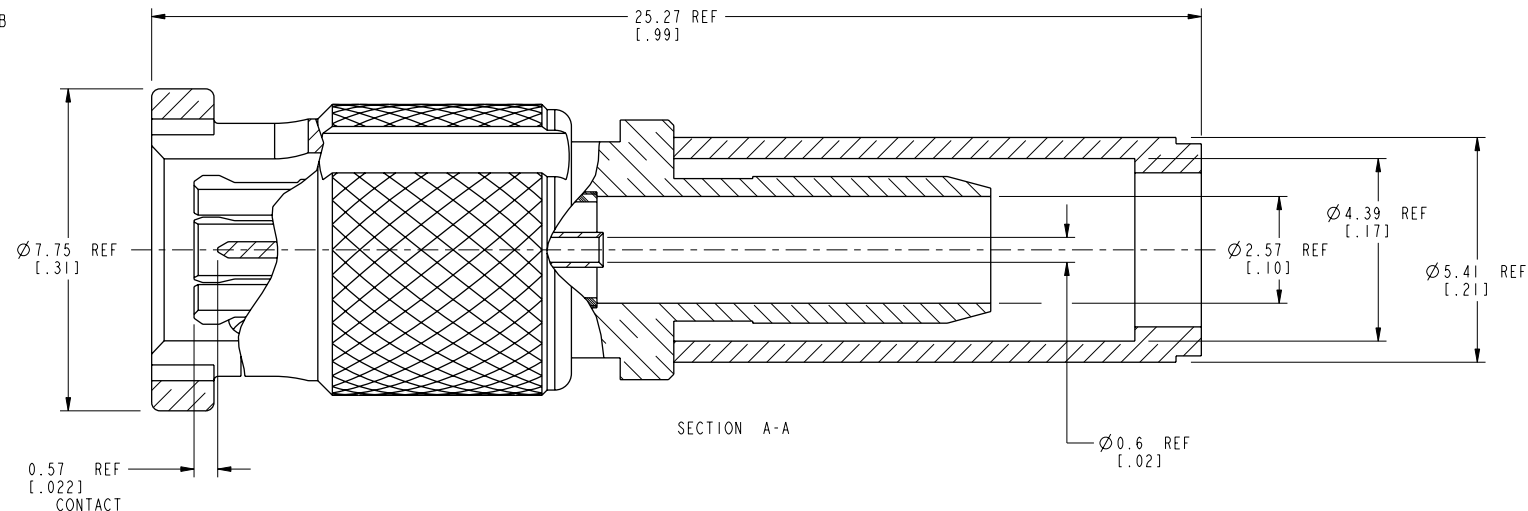


SUGGESTED CABLE
TRIMMING DIMENSIONS



SCALE 4.000

STUD LOCATING
AND INSTALLATION/REMOVAL TOOL GROOVES



PROTECTED UNDER U.S. PATENT # 7,553,177

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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

NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol Corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

MATERIAL
SEE NOTES

REFERENCE
EAR # AND 34-1001

CONFIGURATION LEVEL:

FINISH

DRAWN
T. DENG

ENGINEER
G. ANTONINI

APPROVED
S. HSIEH

CAD FILE

Root Folder/HD-BNC/34-1001

DATE
22-Feb-11

DATE
06-Aug-06

DATE
23-Feb-11

TITLE
HD-BNC PLUG
FOR 735A CABLE

SCALE: 8.0:1.0 SHEET 2 OF 3

DWG SIZE
B

REV
C

Amphenol RF

Danbury CT USA, Tainan, Taiwan, Shenzhen, China
www.amphenolrf.com

DRAWING NO. 34-1001

ITEM NO. 34-1001

PART NO. 34-1001

CUSTOMER OUTLINE DRAWING			THIRD ANGLE PROJ.		REVISIONS																	
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY					REV	DESCRIPTION	DATE	ECO	APPR													
					A			46657	GSA													
					B	SEE SHEET 1	10-May-10	47960	SH													
					C	SEE SHEET 2\RD-DM11021101T1	23-Feb-11	48437	SH													
HD-BNC PLUG 46% SMALLER THAN A STANDARD BNC PLUG 33% SMALLER THAN A MINI BNC PLUG Ø.150 MAX. USABLE CABLE SIZE (735A)																						
MINI BNC PLUG 20% SMALLER THAN A STANDARD BNC PLUG																						
STANDARD BNC PLUG																						
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <table><tr><td><0.5mm</td><td>0.5 - 6mm</td><td>6 - 30mm</td><td>30 - 120mm</td><td>ANGLES</td></tr><tr><td>± 0.05mm</td><td>±0.1mm</td><td>±0.2mm</td><td>± 0.3mm</td><td>±1°</td></tr></table>			<0.5mm	0.5 - 6mm	6 - 30mm	30 - 120mm	ANGLES	± 0.05mm	±0.1mm	±0.2mm	± 0.3mm	±1°	MATERIAL -		DRAWN T. DENG		DATE 22-Feb-11		TITLE HD-BNC PLUG FOR 735A CABLE		Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com	
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		CONFIGURATION LEVEL:		APPROVED S. HSIEH		DATE 23-Feb-11		SCALE: 4.0:1.0 SHEET 3 OF 3														
		FINISH		Root Folder\HD-BNC\34-1001		DWG SIZE B		REV C		DRAWING NO. 34-1001												
												ITEM NO. 34-1001										
												PART NO. 34-1001										