

NOTES:

1. MATERIALS AND FINISHES:
BODY AND BAYONET SLEEVE - BRASS, NICKEL PLATING
OUTER CONTACT - BeCu, NICKEL PLATING
CONTACT - PHOSPHOR BRONZE, GOLD PLATING
FERRULE - BRASS, NICKEL PLATING
INSULATOR - PTFE
2. ELECTRICAL:
A. IMPEDANCE: 75 OHM
B. FREQUENCY RANGE: DC - 4 GHz
C. RETURN LOSS: 30 dB MIN @ 3 GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.
E. INSULATION RESISTANCE: 10,000 MΩ MIN
3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65° C TO +165° C
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 RF, 34-1027 DATE CODE
U.S. PATENT NO. 7,553,177"
6. HIGH DENSITY INSTALLATION/REMOVAL TOOL: 227-T2000
7. CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN.
B. CRIMP CONTACT TO CABLE CENTER CONDUCTOR
WITH .042 INCH SQUARE DIE
C. CRIMP FERRULE WITH .255 INCH HEX

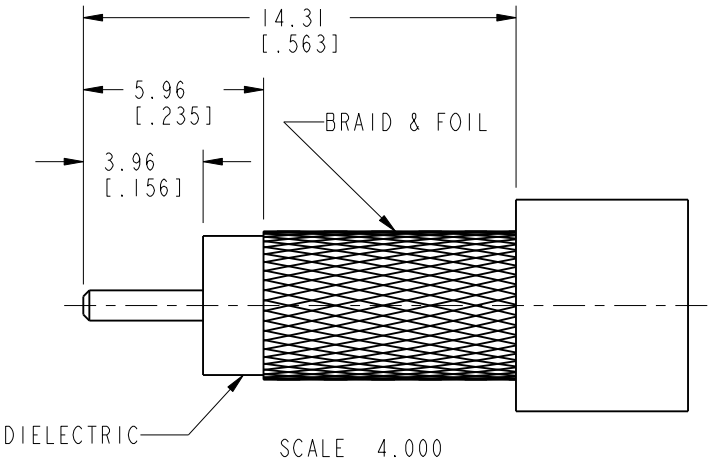
8> SHOWS CABLE ENTRY DIMENSIONS.

INTERFACE PER
349-50820
SERIES: HD-BNC PLUG

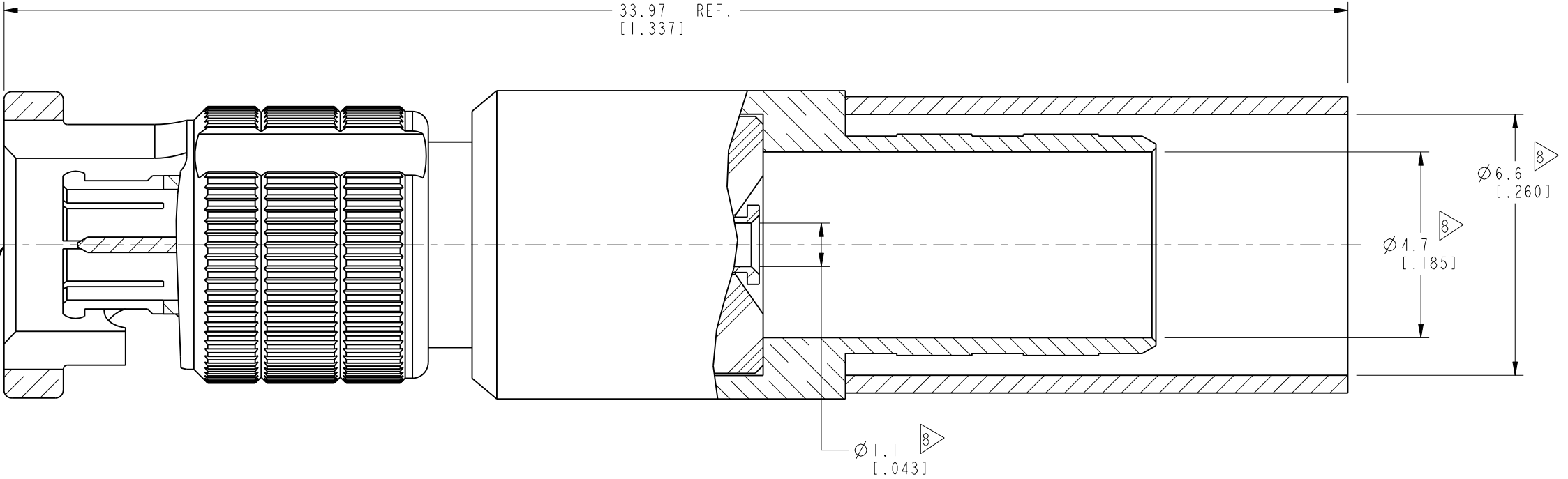
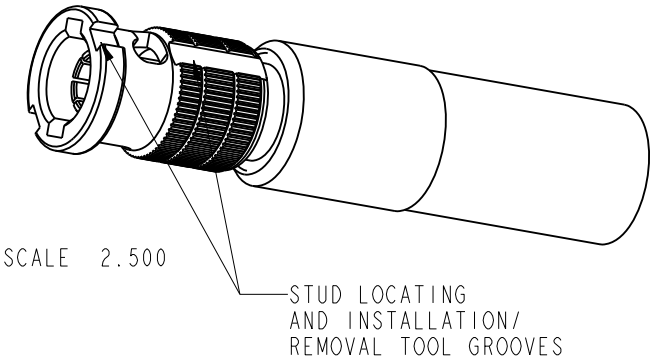
THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASED TO MFG.	--	48162	AAP
B	NOTE 5-B WAS CHANGED	23-Feb-11	48437	SH
C	COUPLING MECHANISM UPDATED	20-Aug-12	49203	SH



RECOMMENDED CABLE
STRIPPING DIMENSIONS



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

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

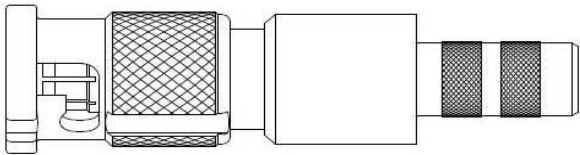
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm ± 0.05mm 0.5 - 6mm ±0.1mm 6 - 30mm ±0.2mm 30 - 120mm ± 0.3mm ANGLES ±1° NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) 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	DRAWN T.DENG ENGINEER A ARUN PRABU	DATE 20-Aug-12 DATE 25-Mar-10	TITLE HD-BNC STR PLUG FOR 1695A 9.50 MM PITCH SCALE: 7.5:1.0 SHEET 2 OF 2 DWG SIZE B	REV C	Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com DRAWING NO.34-1027 ITEM NO.34-1027 PART NO.34-1027
	REFERENCE EAR # 3982	APPROVED S.HSIEH	DATE 20-Aug-12			
	CONFIGURATION LEVEL:	CAD FILE				
	FINISH					

ASSEMBLY INSTRUCTIONS

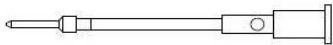
AmphenolIRF

HD - BNC
CRIMP PLUGS

REV - 1



PLUG BODY ASSEMBLY



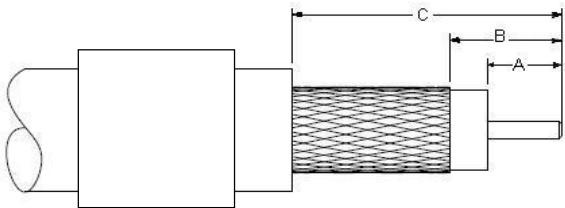
MALE CONTACT



OUTER FERRULE

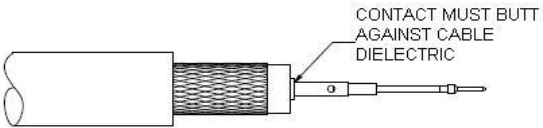
AMPHENOL NUMBER	CABLE	HEX CRIMP DATA			STRIPPING DIMENSIONS, INCHES (MM)		
		CAVITY FOR CONTACT	CAVITY FOR OUTER FERRULE	CTL SERIES TOOL NUMBER	A	B	C
34-1026	1855A, T8550A	0.042 (1.1)□	0.178 (4.6)◇	CTL-15	0.156 (3.96)	0.233 (5.92)	0.562 (14.27)
34-1037	1855ENH, 0.6/2.8	0.042 (1.1)□	0.197 (5.0)◇	-	0.156 (3.96)	0.250 (6.35)	0.594 (15.09)
34-1037-100	1855ENH, IMAGE 360, 1.0/4.8	0.042 (1.1)□	0.197 (5.0)◇	-	0.156 (3.96)	0.250 (6.35)	0.594 (15.09)
34-1033	TFC HD 210	0.042 (1.1)□	0.213 (5.4)◇	-	0.156 (3.96)	0.233 (5.92)	0.562 (14.27)
34-1027	1695A	0.042 (1.1)□	0.255 (6.5)◇	CTL-14	0.156 (3.96)	0.235 (5.97)	0.564 (14.33)
34-1025	1505A, T5050A, IMAGE 720, 0.8/3.7	0.042 (1.1)□	0.255 (6.5)◇	CTL-14	0.156 (3.96)	0.235 (5.97)	0.564 (14.33)
34-1017-300	1694A, T6940A, IMAGE 1000	0.042 (1.1)□	0.278 (7.1)◇	-	0.156 (3.96)	0.235 (5.97)	0.564 (14.33)

STEP 1



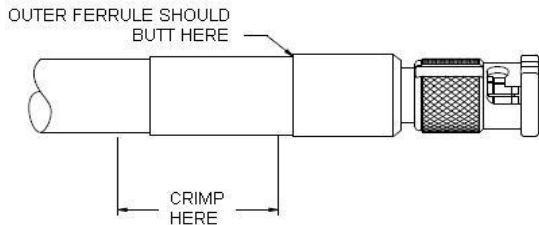
Step 1 - Strip cable jacket, braid, and dielectric to dimensions in table above. All cuts are to be sharp and square. Important : Do not nick braid dielectric and center conductor. Slide outer ferrule onto cable as shown.

STEP 2



Step 2 - Flare slightly end of cable braid to facilitate insertion of inner ferrule. Place contact on cable center conductor so that it butts against cable dielectric. Crimp contact in place using die set cavity indicated in table above.

STEP 3



Step 3 - Install cable assembly into body assembly so that inner ferrule portion slides under braid. Push cable assembly forward until contact snaps into place in insulator. Slide outer ferrule over braid and up against connector body. Crimp outer ferrule using die set cavity specified in table above.

Use tool 227-T2000 (1 ft long) or 227-T2000-2FT (2 ft long) for installation and removal of the HD-BNC plug.