

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, NATURAL
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, 34-1037-100 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" SQUARE DIE
- C. CRIMP FERRULE WITH .197" OR .187" HEX.

8> SHOWS CABLE ENTRY DIMENSIONS.

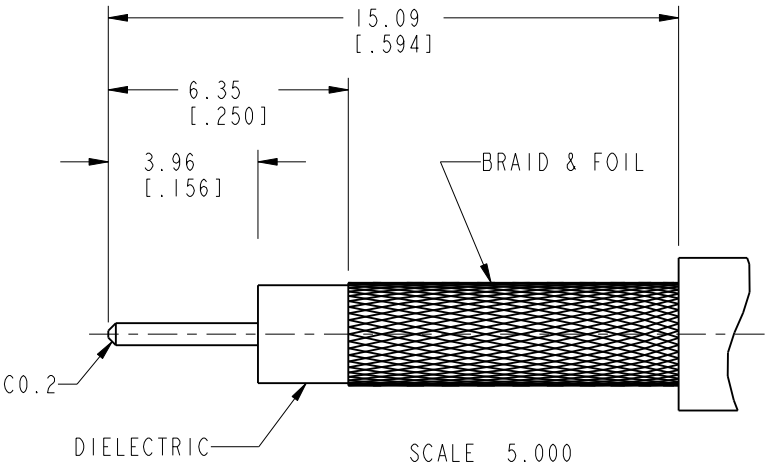
INTERFACE PER
349-50820
SERIES:HD-BNC PLUG

THIRD ANGLE PROJ.

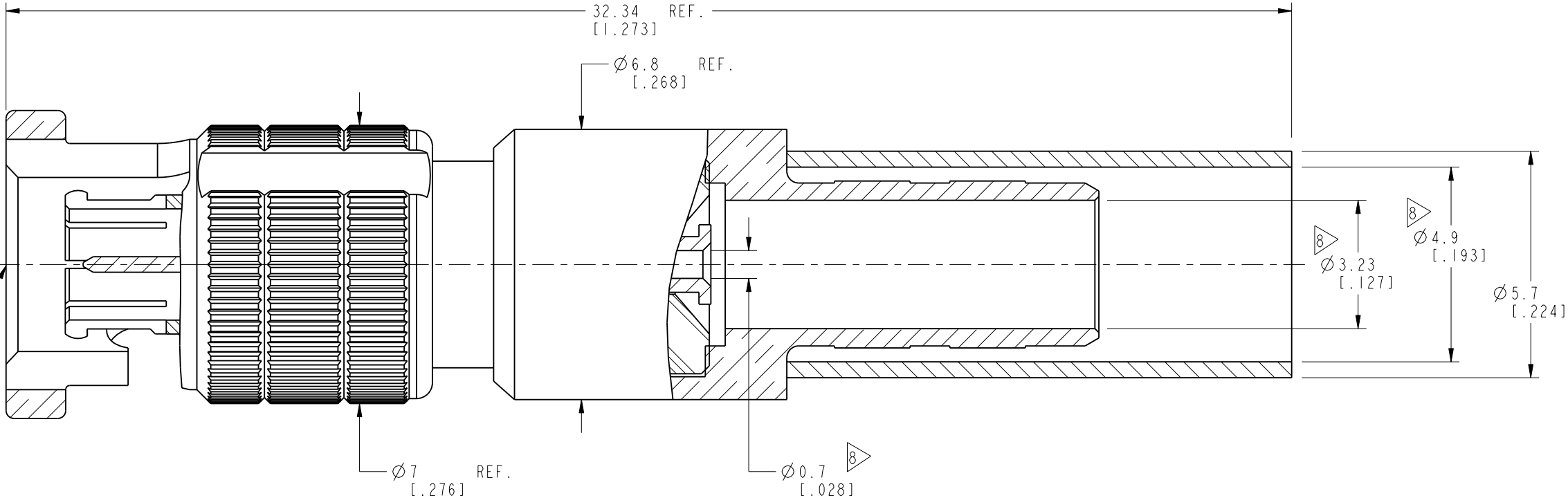
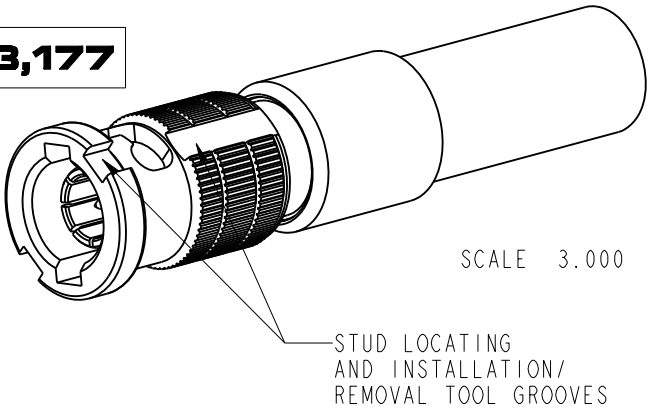
REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE FOR MFG.	17-Aug-11	48506	TD
B	COUPLING MECHANISM UPDATED	20-Aug-12	49203	SH

U.S. PATENT # 7,553,177



RECOMMENDED CABLE
STRIPPING DIMENSIONS



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°

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MATERIAL	SEE NOTES
REFERENCE	EAR # 4296
CONFIGURATION LEVEL:	
FINISH	

DRAWN	T.DENG	DATE	20-Aug-12
ENGINEER	A ARUN PRABU	DATE	27-Sep-10
APPROVED	S.HSIEH	DATE	20-Aug-12
CAD FILE			

TITLE	
HD-BNC STR PLUG FOR B1855 ENH/ IMAGE 360	
SCALE: 7.6:1.0	SHEET 2 OF 2
DWG SIZE	REV
B	B

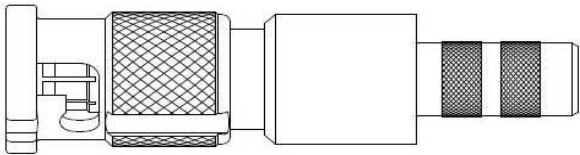
Amphenol RF
Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com
DRAWING NO.34-1037-100
ITEM NO.34-1037-100
PART NO.34-1037-100

ASSEMBLY INSTRUCTIONS

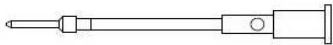
AmphenolIRF

HD - BNC
CRIMP PLUGS

REV - 1



PLUG BODY ASSEMBLY



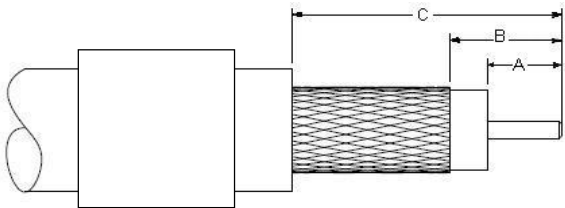
MALE CONTACT



OUTER FERRULE

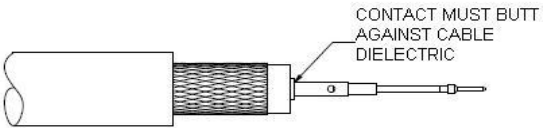
AMPHENOL NUMBER	CABLE	HEX CRIMP DATA			STRIPPING DIMENSIONS, INCHES (MM)		
		CAVITY FOR CONTACT	CAVITY FOR OUTER FERRULE	CTL SERIES TOOL NUMBER	A	B	C
34-1026	1855A, T8550A	0.042 (1.1)□	0.178 (4.6)◇	CTL-15	0.156 (3.96)	0.233 (5.92)	0.562 (14.27)
34-1037	1855ENH, 0.6/2.8	0.042 (1.1)□	0.197 (5.0)◇	-	0.156 (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



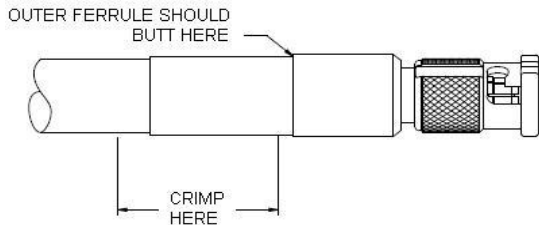
Step 1 - Strip cable jacket, braid, and dielectric to dimensions in table above. All cuts are to be sharp and square. Important : Do not nick braid dielectric and center conductor. Slide outer ferrule onto cable as shown.

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.