

AMPHENOL RF PART NUMBER

031-5179

BNC Right Angle Crimp Plug for RG-303, 50 Ohm

Amphenol® RF



PRODUCT IMAGE
COMING SOON

PRODUCT OVERVIEW

RF Connector, BNC Right Angle Crimp Plug for RG-303, 50 Ohm

Product Type	Connectors
Product Series	BNC
Status	Active

PRODUCT SPECIFICATIONS

Gender	Plug
Orientation	Right Angle
Termination Style	Cable - Crimp
Impedance (Ohms)	50
Body Finish	Nickel
Body Material	Brass
Contact Finish	Silver
Contact Material	Beryllium Copper
Contact Termination Style	Solder
Insulator Material	PTFE
Cable Group	C
Cable Type	Belden 9907, Belden B7806A, LMR-195, RG-141, RG-303, RG-58, RG-58A, RG-58B, RG-58C
Crimp Tool	CTL-3
Coupling Mechanism	Bayonet
Max Frequency (GHz)	4
Polarity	Standard

Min. Temp. (Celsius)	-65
Max. Temp. (Celsius)	165
Mating Cycles	500

PRODUCT COMPLIANCE

Product compliance documentation, if available is listed below:

RoHS 2 (EU)	Compliant with Exemption 6C
-------------	-----------------------------

NOTES:

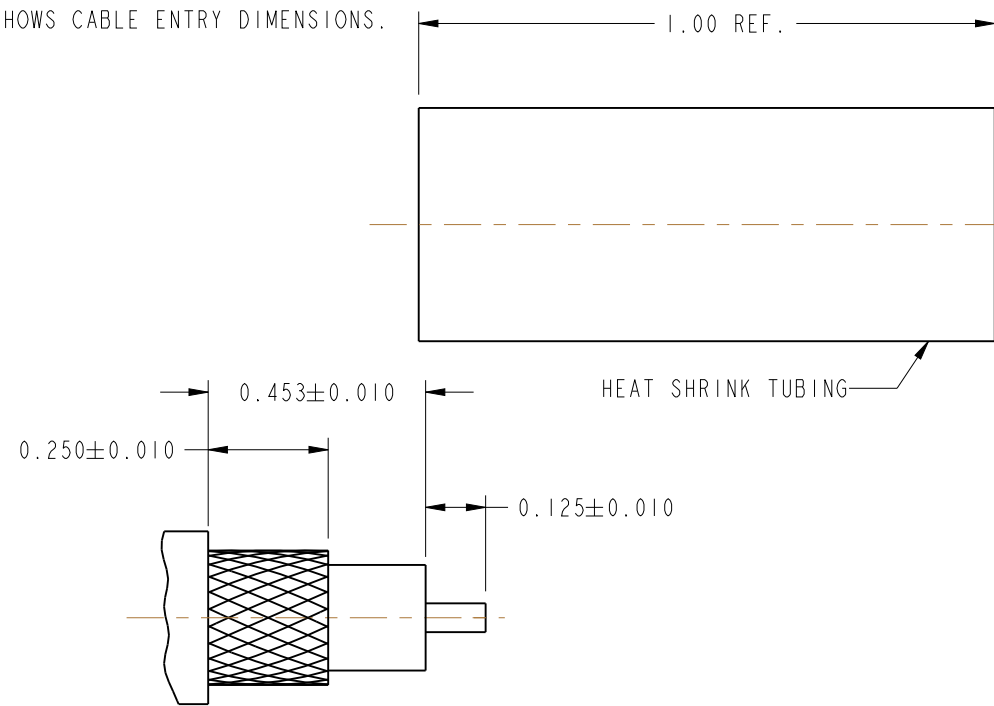
1. MATERIALS AND FINISHES (PLATING THICKNESS IN MICROINCHES):
 - BODIES - BRASS, NICKEL PLATING (100 MIN THICK)
 - COUPLING NUT - BRASS, NICKEL PLATING (100 MIN THICK)
 - CONTACT - BeCu, SILVER PLATING (200 MIN THICK)
 - REAR CONTACT - PHOSPHOR BRONZE, SILVER PLATING (200 MIN THICK)
 - WASHER - BRASS, NICKEL PLATING (100 MIN THICK)
 - OUTER CONTACT - PHOSPHOR BRONZE, NICKEL PLATING (100 MIN THICK)
 - FERRULE - COPPER, NICKEL PLATING (100 MIN THICK)
 - INSULATORS - PTFE
 - GASKET - SILICONE
 - HEAT SHRINK TUBING - CROSSLINKED POLYOLEFIN

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

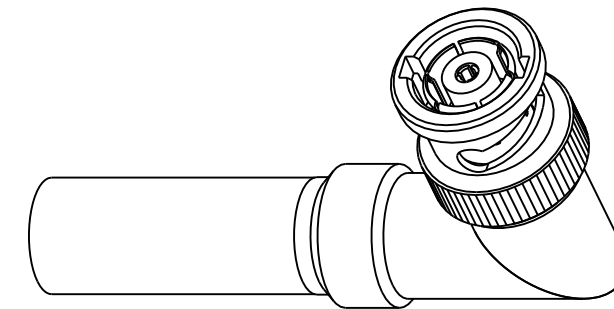
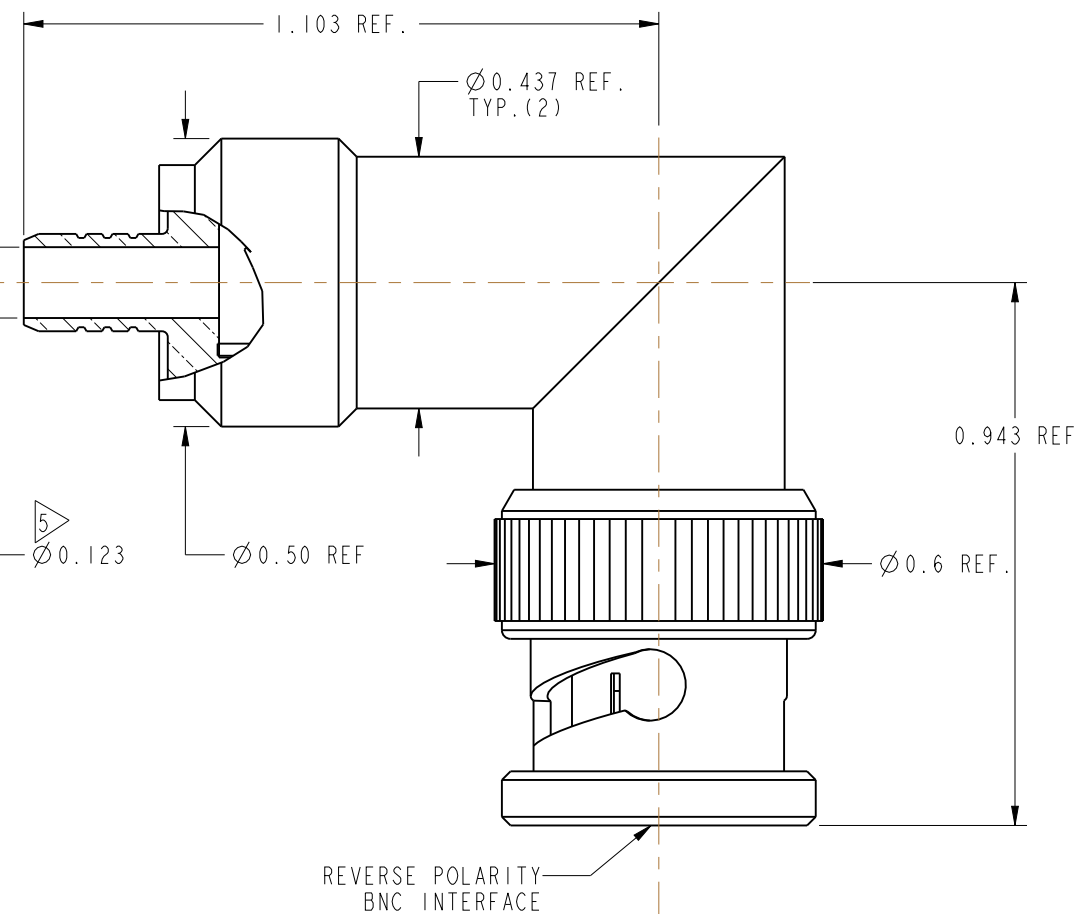
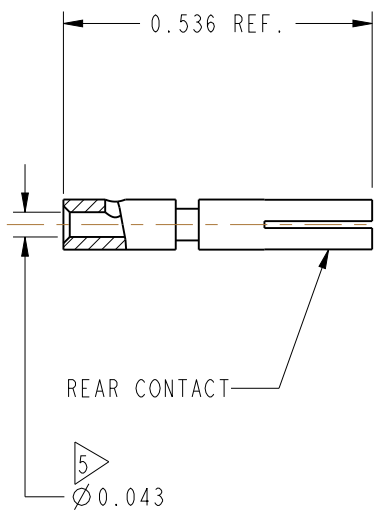
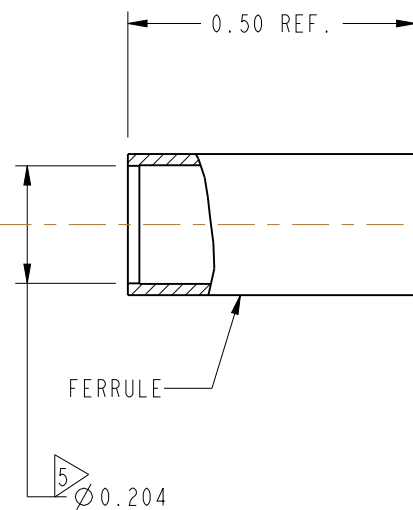
3. PACKAGING:
 - A. QUANTITY: SINGLE PACK
 - B. MARKING: BAG TO BE MARKED
"AMPHENOL RF 31-5179, AND DATE CODE"

4. CABLE ASSEMBLY INSTRUCTIONS
 - A. TRIM CABLE AS SHOWN.
 - B. SOLDER CABLE CENTER CONDUCTOR TO CONTACT.
 - C. INSERT CABLE WITH PTFE INSULATOR ENTERING CONNECTOR AND BRAID OVER KNURL.
 - D. CRIMP FERRULE WITH AMPHENOL TOOL 227-944 AND DIE SET 227-1221-11 CAVITY A, .213" HEX DIE.

5 SHOWS CABLE ENTRY DIMENSIONS.



RECOMMENDED CABLE STRIPPING DIMENSIONS



SCALE 1.500

31-5179		REVISIONS			
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	--	RELEASE TO MFG.	-----	-----	
	C	COD SHEET ADDED	9/20/13	49679	RAK

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMAL ±.015 (0,381 mm) 3 PLACE DECIMAL ±.005 (0,127 mm) ANGLES ± 1°	MATERIAL	DRAWN	DATE	TITLE		Amphenol RF	
	SEE NOTES	ABHAYA KISHORE	08-Aug-13	BNC RIGHT ANGLE PLUG MIL-CRIMP POLARIZED FOR RG303/U CABLE		Danbury, CT, USA Tainan, Taiwan Shenzhen, China www.amphenolrf.com	
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 or 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.	REFERENCE	ENGINEER	DATE	APPROVED		SCALE: 3.0:1	SHEET 2 OF 2
	EAR 122-965500-50	O MCPHERSON	17-Jul-07	K. CAPOZZI			
		CAD FILE	DATE	CODE ID	DWG SIZE	DRAWING NO.	REV
	31-5179	9/20/13	74868	B	31-5179	C	