

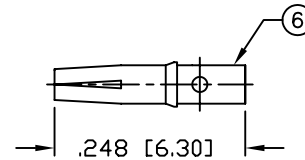
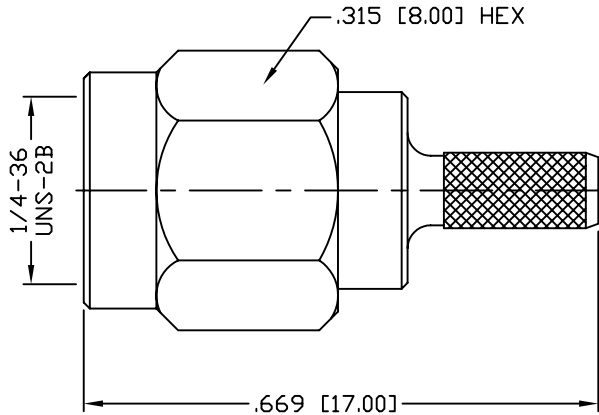
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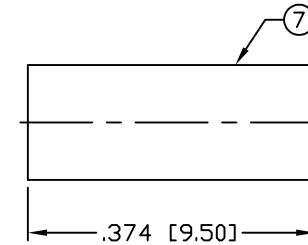
PART NO.

RP-3000-1B

REV	DESCRIPTION	DWN	DATE	APPROVED
-	ENGINEERING RELEASE	GGG	6/5/03	JDMc
A	CHANGE LENGTHS THROUGHOUT DWG / REMOVE CONTACT DIE	CZS	4/20/06	JDMc



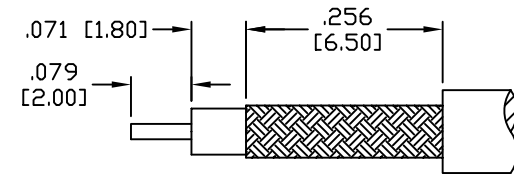
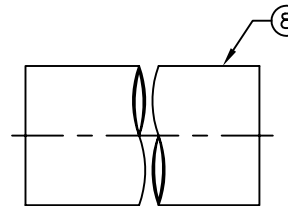
RECOMMENDED SOLDER ONLY



RECOMMENDED CRIMP DIE: .130"

SPECIFICATIONS:

IMPEDANCE: 50 Ohms
 FREQUENCY RANGE: 0-12.4 GHz
 INSERTION LOSS(dB): $0.06 \times \sqrt{f(\text{GHz})}$
 VSWR: 1.3 MAX.
 WORKING VOLTAGE: 375 V rms Max. @ Sea Level
 INSULATION RESISTANCE: 5k M Ohms min.
 TEMPERATURE RANGE: -65°C TO 85°C
 FOR RG-174, 188, 188A, 316/U, ALPHA 9174, 9316,
 BELDEN 8216, 83269, 83284, 84316 & TIMES LMR-100A CABLE



RECOMMENDED STRIPPING DIMENSIONS


1	SHELL	1	BRASS	GOLD, 3μ"	008974	
2	BODY	1	BRASS	GOLD, 3μ"		
3	INSULATOR	1	PTFE	----		
4	RETAINING RING	1	Be-Cu	----		
5	GASKET	1	SILICONE	----		
6	CONTACT	1	Be-Cu	GOLD, 50μ"		
7	FERRULE	1	COPPER	GOLD, 3μ"		
8	TUBING	1	HEAT SHRINK	----		
9						
10						
11						
12						
13						
14						
#	DESCRIPTION	QTY	MATERIAL	FINISH	APPROVALS	DATE

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES AND [MILLIMETERS]
 UNLESS OTHERWISE NOTED TOLERANCES ARE:

DECIMALS	DIAMETER
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7610 MIRAMAR RD
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 (858) 549-6345 FAX

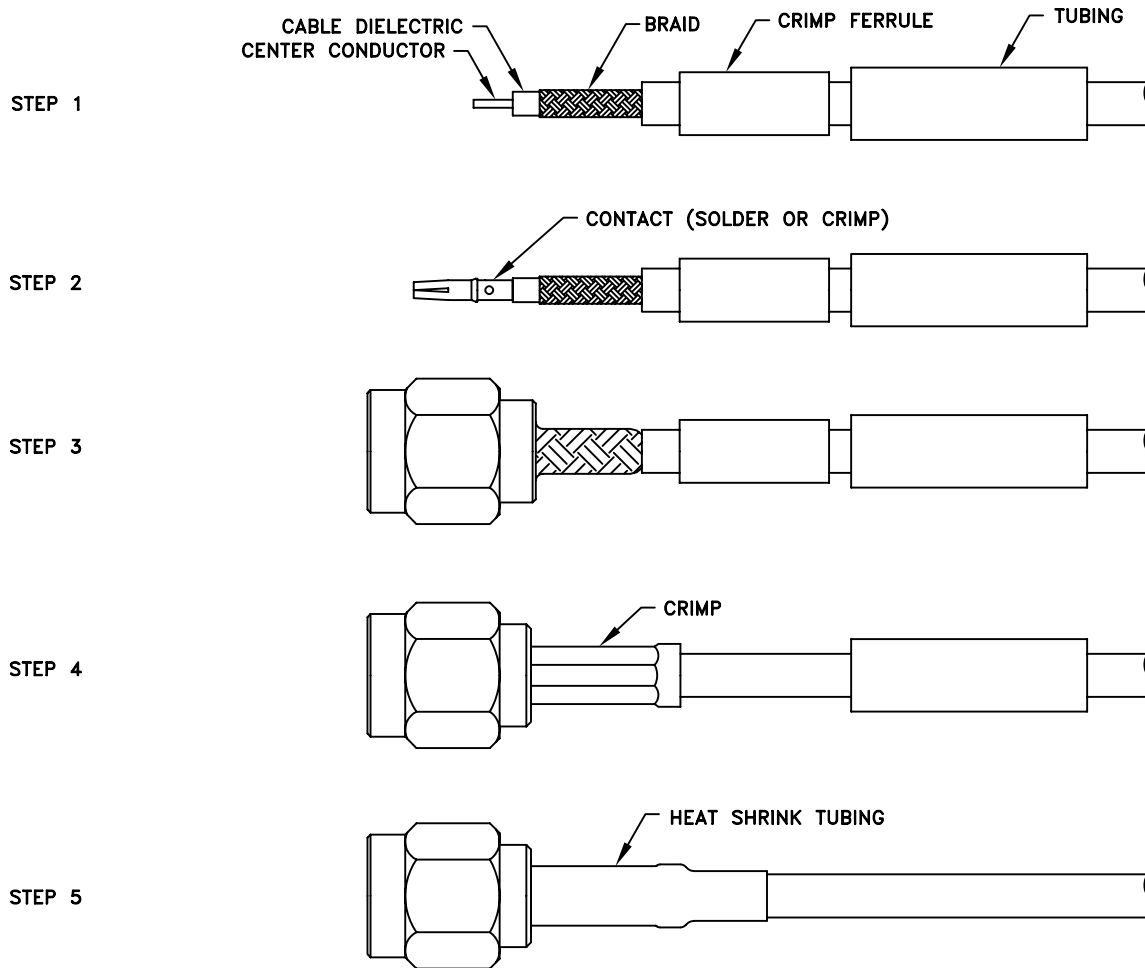
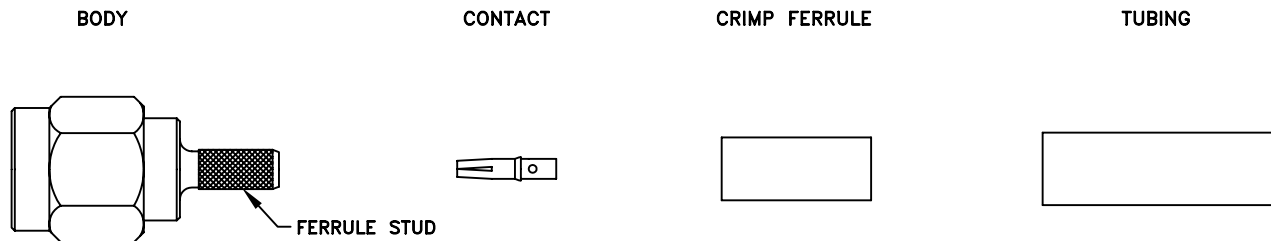


SMA PLUG, CRIMP
 REVERSE POLARITY

SIZE A	CABLE GROUP B	DWG NO. RP-3000-1B	REV A
SCALE: NTS		CAD FILE OUTLINE	SHEET 1 OF 1

CABLE ASSEMBLY INSTRUCTIONS

RP-3000-1B



- Step 1: Cut end of cable evenly. Strip cable to dimensions shown in catalog or on outline drawing. All cuts are to be clean and square. Do not nick braid or center conductor when cutting. Slide heat shrink tubing and ferrule over cable.
- Step 2: Pre tin cable conductor if using stranded cable (if needed). Slide contact onto center conductor until it yields against the cable dielectric. Solder or crimp contact in place. If soldering use minimum amount of heat.
- Step 3: Slide ferrule stud under braid, while inserting the contact into the body. The contact will lock into place within the dielectric.
- Step 4: Slide the ferrule over the braid until it yields against the back of the connector. Crimp the ferrule with crimp tool as specified on connector drawing. Trim any extra braid extending out of ferrule end.
- Step 5: Slide tubing over ferrule and "heat shrink it."

RP-3000-1B AP.DWG

RF CONNECTORS

5/13/10

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JDM