

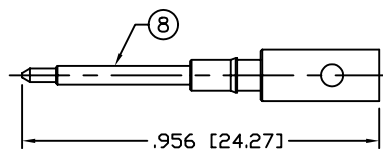
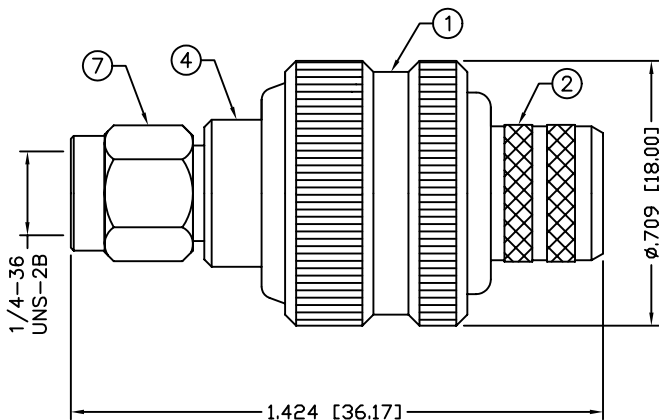
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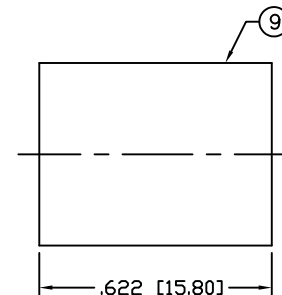
PART NO.

RSA-3000-I

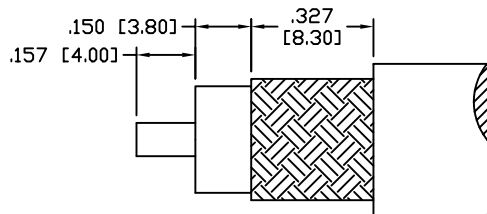
REV	DESCRIPTION	DWN	DATE	APPROVED
-	ENGINEERING RELEASE	CZS	01/28/00	JDMc
A	ADD ELECTRICAL SPECS	CZS	10/31/01	JDMc
B	ADDED SOLDER ONLY NOTE & CRIMP DIE CALL OUT	CZS	08/08/06	JDMc



RECOMMENDED CRIMP DIE SIZE: .118"/.128"
 "SOLDER ONLY" FOR RG-8/U TYPE CABLE



RECOMMENDED CRIMP DIE SIZE: .429"



RECOMMENDED STRIPPING DIMENSIONS

SPECIFICATIONS:

IMPEDANCE: 50 Ohms
 FREQUENCY RANGE: 0-12.4 GHz
 INSERTION LOSS(dB): $0.03 \times \sqrt{f(\text{GHz})}$
 VSWR: 1.3 MAX.
 WORKING VOLTAGE: 500 V rms Max. @ Sea Level
 INSULATION RESISTANCE: 5k M Ohms min.
 TEMPERATURE RANGE: -65°C TO 85°C
 FOR BELDEN 8214, 9913, 9913F, 9914, RG-8/U TYPE,
 CAROL C1180, TIMES AA-5886 & LMR-400 CABLE

1	BODY	1	BRASS	NICKEL, 100μ"
2	FERRULE STUD	1	BRASS	NICKEL, 100μ"
3	INSULATOR	1	PTFE	---
4	SMA BODY	1	BRASS	NICKEL, 100μ"
5	RETAINING RING	1	Be. Cu.	---
6	GASKET	1	SILICONE	---
7	SHELL	1	BRASS	NICKEL, 100μ"
8	PIN	1	BRASS	GOLD, 50μ"
9	FERRULE	1	BRASS	NICKEL, 100μ"
10				
11				
12				
13				
14				
#	DESCRIPTION	QTY	MATERIAL	FINISH

008974		
DRAWN	C. ZUNIGA	08/08/06
CHECKED		
ORJ DRAWN	C. ZUNIGA	03/14/01
APPROVALS		DATE

UNLESS OTHERWISE SPECIFIED:
 1. REMOVE ALL BURRS
 2. BREAK ALL CORNERS & EDGES .005 R. MAX.
 3. CHAMFER 1ST & LAST THREADS 45°
 4. SURFACE ROUGHNESS 63 FINISH MIL-STD-10
 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R.
 6. ALL DIMENSIONS ARE AFTER PLATING.

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

DECIMALS	DIAMETER
.xxx±.003 [.08]	.xxx±.001 [.03]
.xx±.005 [.13]	.xx±.003 [.08]

RF connectors
 DIVISION OF RF INDUSTRIES, LTD.

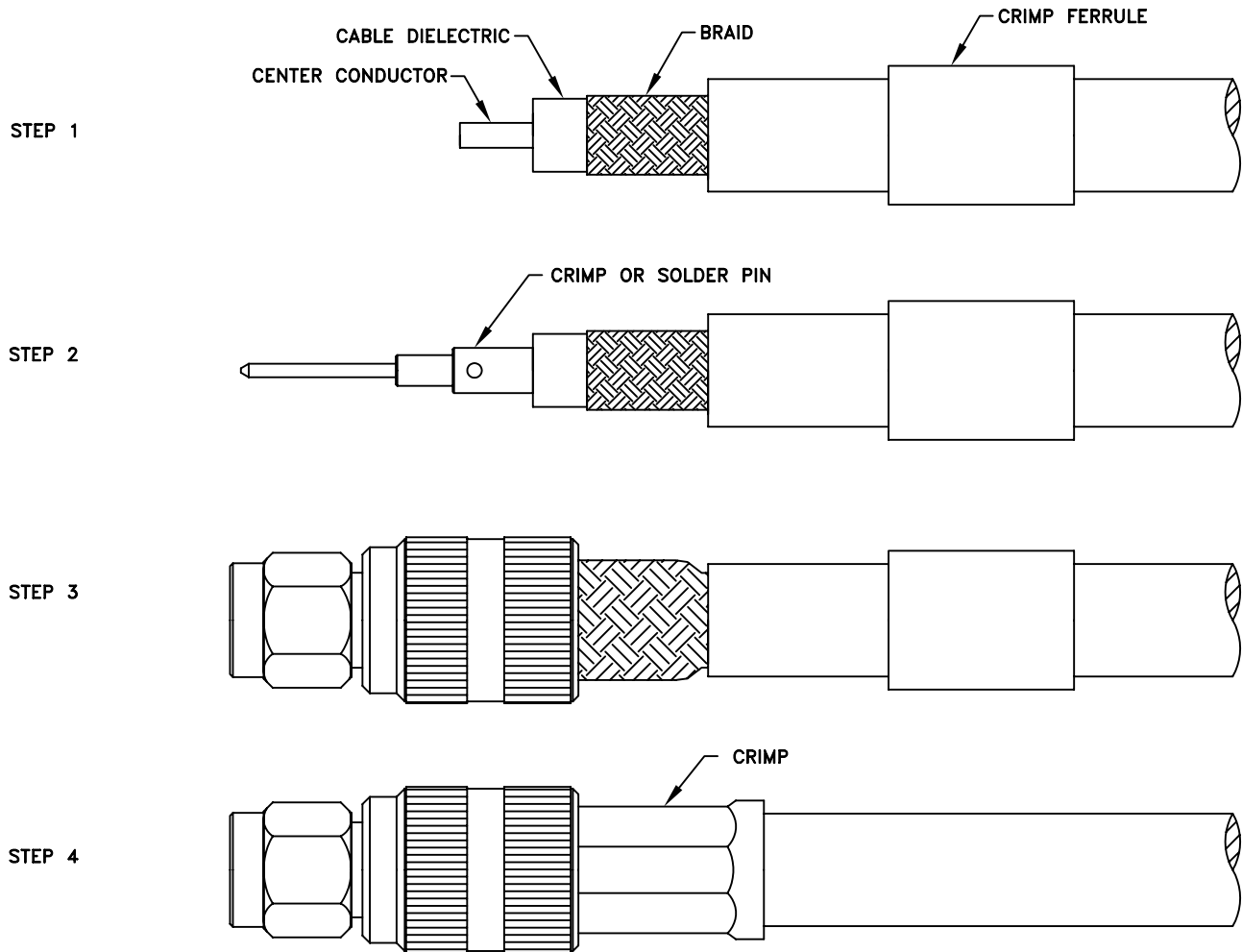
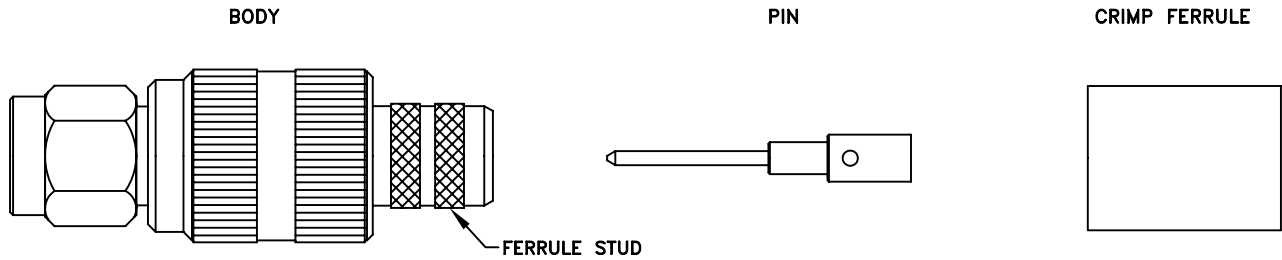
7610 MIRAMAR RD
 SAN DIEGO, CA 92126
 (858) 549-6340
 (858) 549-6345 FAX

SMA PLUG, CRIMP

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

CABLE ASSEMBLY INSTRUCTIONS

RSA-3000-I



Step 1: Cut end of cable evenly. Strip cable to dimensions shown in catalog or on envelope/outline drawing. All cuts are to be clean and square. Do not nick braid or center conductor when cutting. Slide ferrule over cable. If using strain relief or heat shrink tubing slide onto cable first.

Step 2: Pre tin cable conductor if using stranded cable (if needed). Slide pin onto center conductor until it yields against the cable dielectric. Solder or crimp pin in place.

Step 3: Slide ferrule stud under braid, while inserting the pin into the body.

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.

RSA-3000-I AP.DWG

RF CONNECTORS

8/17/10

7610 Miramar Road, San Diego, CA 92126-4202 - (858) 549-6340
(800) 233-1728 - Fax (858) 549-6345 E-mail: rfi@rfindustries.com - www.rfindustries.com

DM