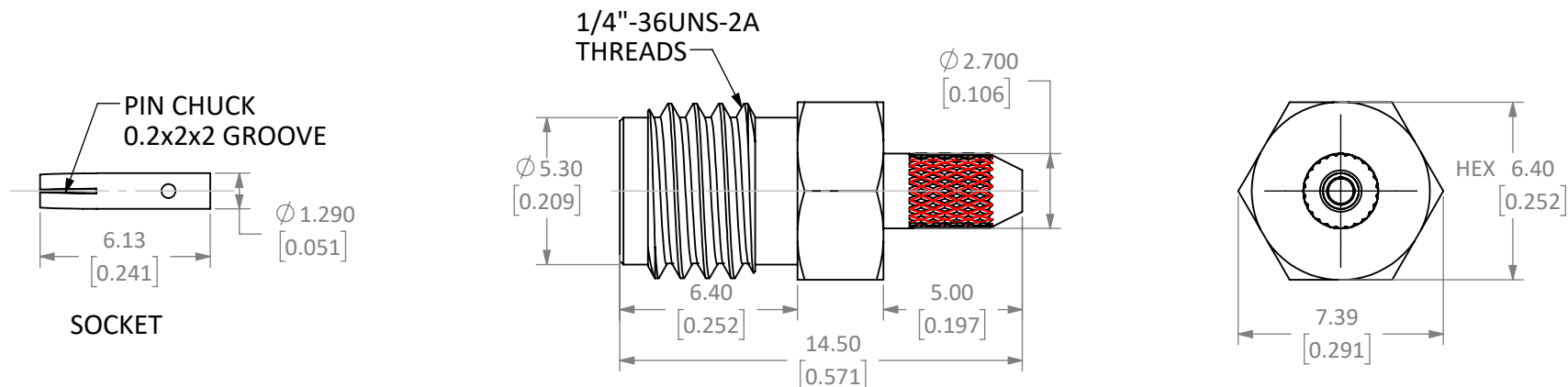


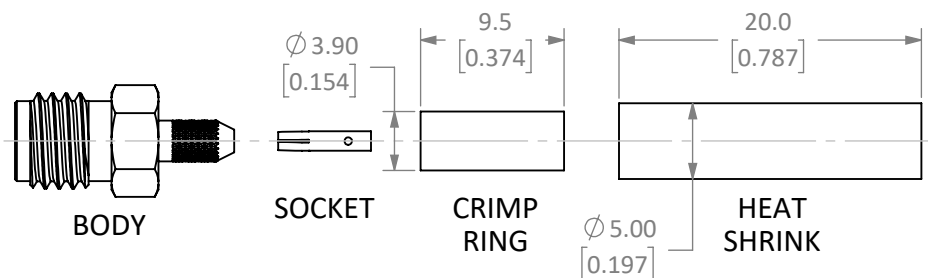
Connector: SMA Jack (Female Socket)			
Termination: Cable End crimp			
Part Number		CONSMA011	CONSMA011-G
Connector Part	Material	Finish	Finish
Bodies	Body: Brass	Nickel	Gold
	Crimp Ring: Brass	Gold	Gold
Center Contact	Socket: Be Cu	Nickel	Gold
Insulator	PTFE	-	-

REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	INITIAL RELEASE OF LINX INTERNAL DRAWING	01/MAR/19	CLL



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN mm [INCHES].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
4. SAFETY BREAK ALL SHARP CORNERS AND EDGES 0.5 MAXIMUM.
5. SEE TABLE I FOR ELECTRICAL SPECIFICATIONS. (SHEET 2)
6. SEE TABLE II FOR ENVIRONMENTAL SPECIFICATIONS. (SHEET 2)
7. SEE TABLE III FOR MECHANICAL SPECIFICATIONS. (SHEET 2)
8. SEE PARTSLIST. "*" INDICATES FINISH TYPE.



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MATERIAL:	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.		PROJECTION: 
	.X ±1.0 .XX ±.40 .XXX ±.200	ANGLES: ±1° SURFACE: 	
FINISH:	DRAWN: M. SCHULTE		DT: 21/JAN/19
	ENGR: D. VARATHARAJAN		DT: 08/MAR/19



159 ORT LANE
MERLIN, OR 97532

TITLE:
**SMA FEMALE CABLE END CRIMP
FOR RG-174 CABLE**

SIZE DWG. NO. REV
A C-CONSMA011-X A

DO NOT SCALE DRAWING SHEET 1 OF 2



SCALE 1 : 1

5 TABLE I

Electrical Data	Detail
Impedance	50 Ω
Frequency Range	0 to 18 GHz
Insulation Resistance	5 000 M Ω min.
Voltage Rating	1 000 V RMS
Contact Resistance	Center: ≤ 3.0 m Ω Outer: ≤ 2.5 m Ω
VSWR: f (GHz)	RG-174, or Equivalent $\rightarrow 1.15+0.02f$
Working Voltage	RG-174, or Equivalent $\rightarrow 335$ volts rms max.
Dielectric Withstanding Voltage	RG-174, or Equivalent $\rightarrow 750$ volts rms max.

6 TABLE II

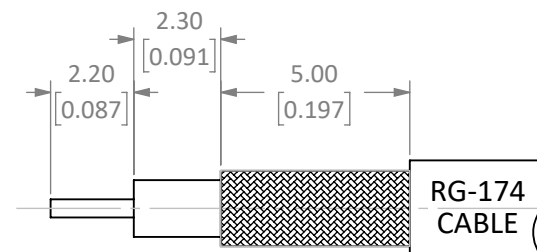
Environmental Data	Detail
Corrosion (Salt spray)	ASTM B-117
Thermal Shock	MIL-STD-202 Method 107 test condition B
Vibration	MIL-STD-202 Method 204 test condition D
Mechanical Shock	MIL-STD-202 Method 213 test condition I
Temperature Range	-55 °C to +155 °C
Environmental Compliance	RoHS

7 TABLE III

Mechanical Data	Detail
Mounting Type	Free Hanging (In-Line)
Fastening Type	1/4"-36 Threaded Coupling
Recommended Torque	0.57 N·m (5.0 in·lbs)
Coupling Nut Retention	60 lbs. min.
Connector Durability	500 cycles min.
Weight	1.9 g (0.07 oz)

ASSEMBLY INSTRUCTIONS

1. Strip cable to recommended dimensions.
2. Slip heat shrink and crimp ring onto stripped cable.
3. Solder the socket to the center-conductor.
4. Insert the socket, center-conductor and insulator into the body.
5. Wrap the braid around the tail of the body and crimp the ring with a 0.128" hex crimp tool (or one labeled for use with RG-174 cable).
6. Use heat shrink to cover crimp.



RECOMMENDED CABLE STRIPPING DIMENSIONS
CAN ALSO BE USED WITH:
RG-188A & RG-316

SIZE	DWG. NO.	REV
A	CONSMA011-*	A
SCALE: 5:1	DO NOT SCALE DRAWING	SHEET 2 OF 2