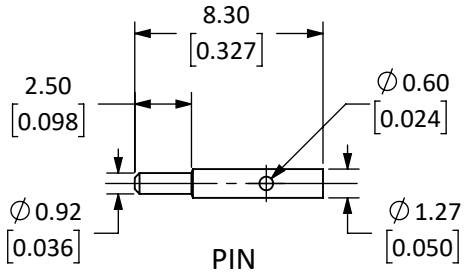
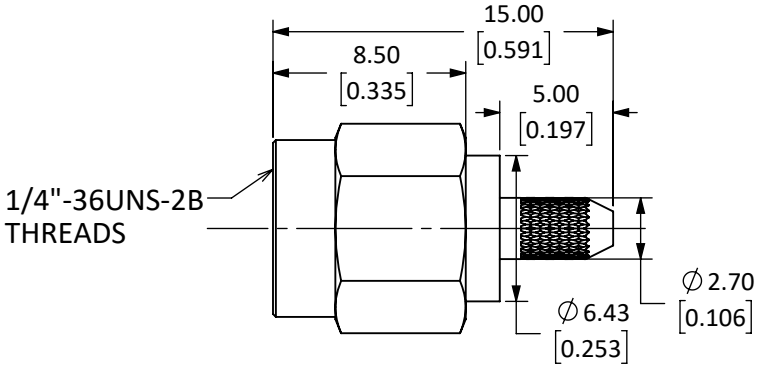
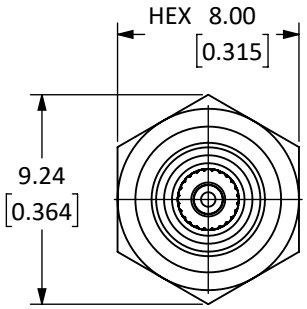
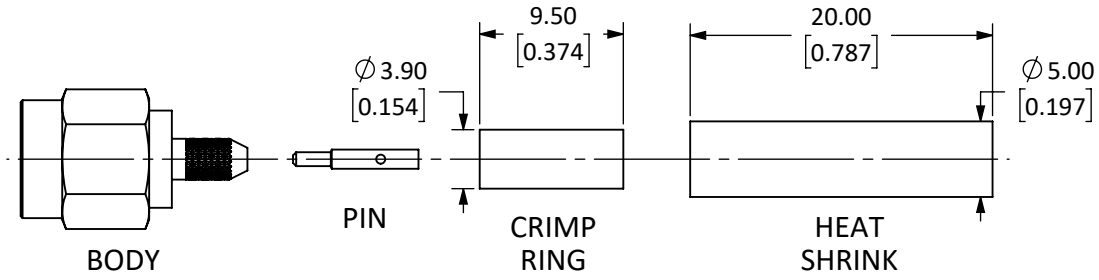
Connector: SMA Plug (Male Pin)			
Termination: Cable End Crimp			
Part Number		CONSMA007	CONSMA007-G
Connector Part	Material	Finish	Finish
Bodies	Body: Brass	Nickel	Gold
	Crimp Ring: Brass	Nickel	Gold
Center Contact	Pin: Brass	Gold	Gold
Insulator	PTFE	–	–
Gasket	Silicone Rubber	–	–
Heat Shrink	Polyolefin	–	–

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



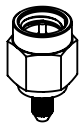






EXPLODED VIEW
SCALE 2 : 1

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.



SCALE 1 : 1

MATERIAL:

TOLERANCES:
0.50 [.020]-5.00 [.200]= ±0.20 [.008]
5.00 [.200]-30.00 [1.200]= ±0.40 [.016]
30.0 [1.20]-120.0 [4.75]= ±0.60 [0.24]
120.0 [4.75]-315.0 [12.40]= ±1.0 [.040]

PROJECTION:

ANGLES: ±1°

FINISH:

DRAWN: M. SCHULTE DT: 21/JAN/19

ENGR: D. VARATHARAJAN DT: 08/MAR/19

Linx
159 ORT LANE
MERLIN, OR 97532

TITLE:
SMA MALE CABLE END CRIMP FOR RG-174 CABLE

SIZE	DWG. NO.	REV
A	CONSMA007-*	A

SCALE: 3:1 DO NOT SCALE DRAWING SHEET 1 OF 2

LDCFDAL_C

5 TABLE I

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

6 TABLE II

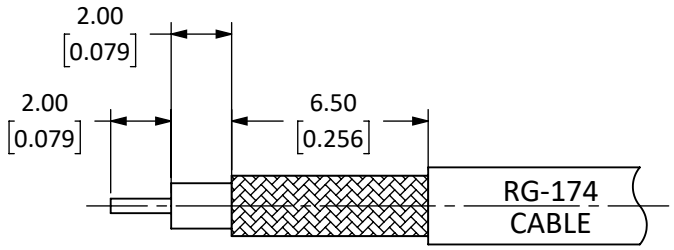
Environmental Data	Detail
Corrosion (Salt spray)	ASTM B-117
Thermal Shock	MIL-STD-202 Method 107 test condition B
Vibration	MIL-STD-202 Method 204 test condition D
Mechanical Shock	MIL-STD-202 Method 213 test condition I
Temperature Range	-55 °C to +155 °C
Environmental Compliance	RoHS

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	3 g (0.1 oz)

ASSEMBLY INSTRUCTIONS

1. Strip the cable to the recommended dimensions.
2. Slip heat shrink and crimp ring onto stripped cable.
3. Solder the pin to the center-conductor.
4. Insert the pin, center-conductor and insulator into the body until the top of the pin is flush with the opening of 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	CONSMA007-*	A
SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 2 OF 2

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