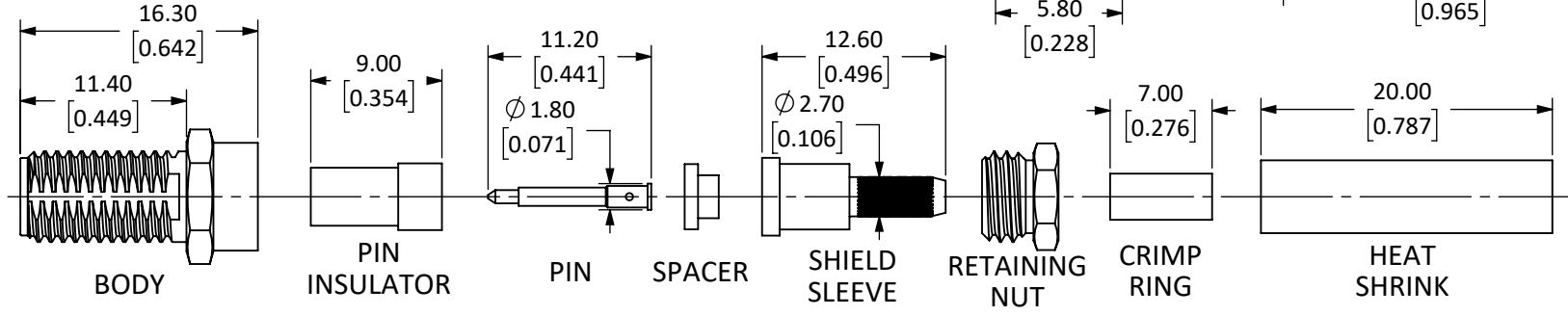
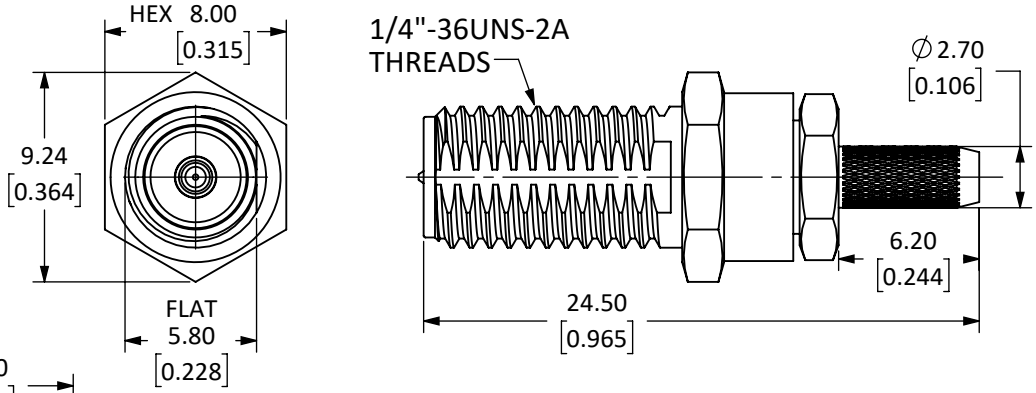


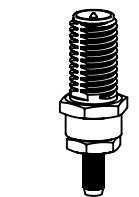
Connector: RP-SMA Jack (Male Pin)			
Termination: Cable End Crimp, RG-174 or Equivalent			
Part Number		CONREVSMA005	CONREVSMA005-G
Connector Part	Material	Finish	Finish
Bodies	Body: Brass	Nickel	Gold
	Shield Sleeve: Brass	Nickel	Gold
	Retaining Nut: Brass	Nickel	Gold
	Crimp Ring: Brass	Nickel	Gold
	Washer: Brass	Nickel	Gold
	Nut: Brass	Nickel	Gold
Center Contact	Pin: Brass	Gold	Gold
Pin Insulator	PTFE	-	-
Spacer	PTFE	-	-
Heat Shrink	Polyolefin	-	-

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

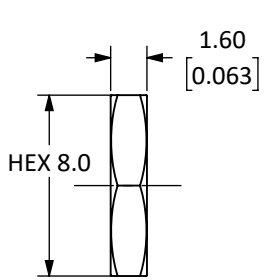


EXPLODED VIEW
SCALE 2 : 1

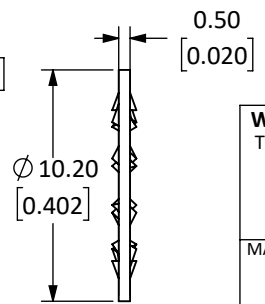
- NOTES: (UNLESS OTHERWISE SPECIFIED)
1. ALL DIMENSIONS ARE IN mm [INCHES].
 2. DIMENSIONS APPLY AFTER FINISHING.
 3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
 4. 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 PARTLIST. "*" INDICATES FINISH TYPE.



SCALE 1 : 1



NUT



WASHER

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MATERIAL:	TOLERANCES: 0.50 [0.020]-5.00 [0.200]= ±0.20 [0.008] 5.00 [0.200]-30.00 [1.200]= ±0.40 [0.016] 30.0 [1.200]-120.0 [4.75]= ±0.60 [0.24] 120.0 [4.75]-315.0 [12.40]= ±1.0 [0.040]	PROJECTION:
FINISH:	DRAWN: M. SCHULTE ENGR: D. VARATHARAJAN	DT: 21/JAN/19 DT: 08/MAR/19



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

SIZE	DWG. NO.	REV
A	CONREVSMA005-*	A
SCALE: 3:1		SHEET 1 OF 2

DO NOT SCALE DRAWING

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
Working Voltage	RG-174, or Equivalent \rightarrow 335 V RMS max.
Dielectric Withstanding Voltage	RG-174, or Equivalent \rightarrow 750 V RMS max.

6 TABLE II

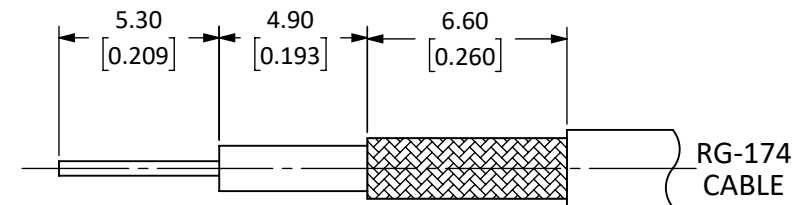
Environmental Data	Detail
Corrosion (Salt spray)	ASTMB-117
Thermal Shock	MIL-STD-202 Method 107 test condition B
Vibration	MIL-STD-202 Method 204 test condition D
Mechanical Shock	MIL-STD-202 Method 213 test condition I
Temperature Range	-55 $^{\circ}$ C to +155 $^{\circ}$ C
Environmental Compliance	RoHS

7 TABLE III

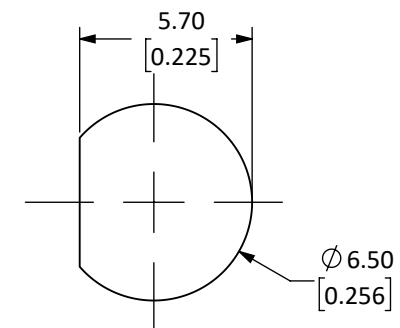
Mechanical Data	Detail
Mounting Type	Bulkhead Rear Mount
Fastening Type	1/4"-36 Threaded Coupling
Recommended Torque	0.57 N·m (5.0 in·lbs)
Coupling Nut Retention	60 lbs. min.
Connector Durability	500 cycles min.
Weight	4.5 g (0.16 oz)

ASSEMBLY INSTRUCTIONS

- Strip cable to recommended dimensions.
- Slip heat shrink and crimp ring onto stripped cable.
- Insert the stripped cable through the retaining nut, shield sleeve and spacer.
- Solder the pin to the center-conductor.
- Insert the pin into the pin insulator, then screw the main body onto the retaining nut.
- 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)
- Use heat shrink to cover crimp.
- Use the nut and washer to secure the connector to a case.



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



RECOMMENDED MOUNTING HOLE

SIZE	DWG. NO.	REV
A	CONREVSMA005-*	A
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 2 OF 2