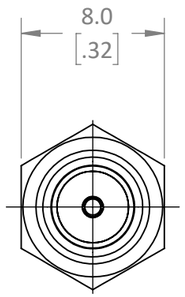
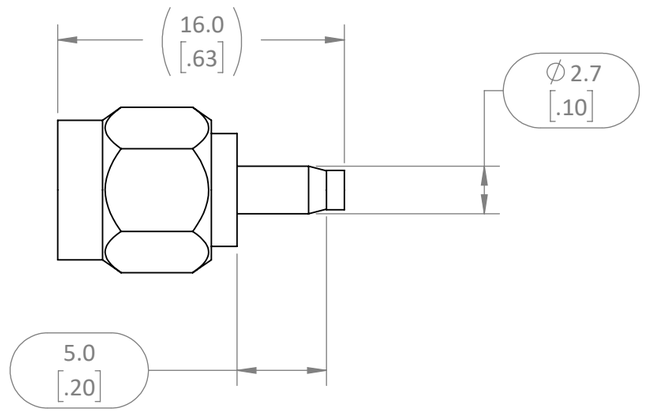
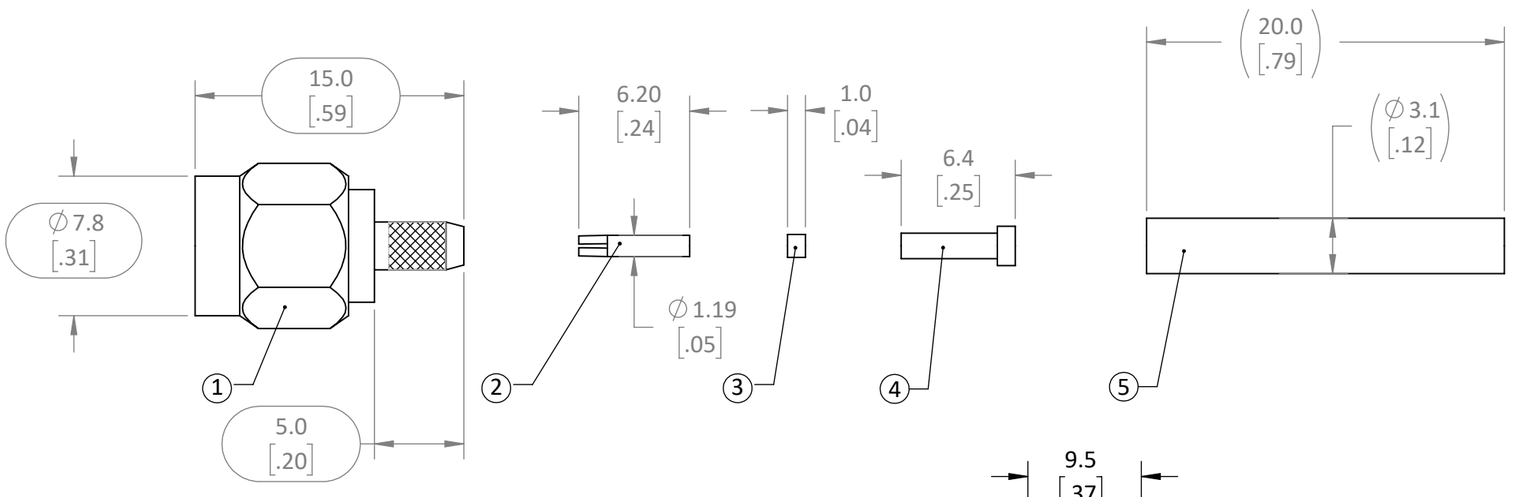
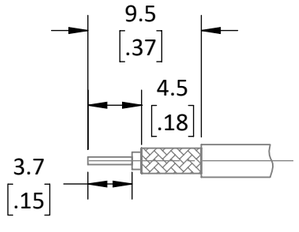
ITEM NUMBER	DESCRIPTION
1	CONNECTOR, SMA TYPE NICKEL/BRASS
2	PIN CHUCK, SMAM RG174, GOLD/BRASS
3	SPACER, PTFE
4	SUPPORT, GOLD/BRASS
5	HEAT SHRINK, POLYOL, 2:1, BLACK

REVISIONS			
REV	DESCRIPTION	DATE	APPV
B	UPDATED FOOTPRINT AND DIMENSIONS; ADDED NEW TITLE BLOCK	2-JUL-12	SAH
C	REDRAWN SOLID MODEL, UPDATED STRIPPING DIMENSIONS, ADDED DIMENSIONS TO SPACER AND SUPPORT, UPDATED NOTES.	12-JUN-12	SAH









RECOMMENDED CABLE STRIPPING DIMENSIONS

NOTES: (UNLESS OTHERWISE SPECIFIED)
1. ALL DIMENSIONS ARE IN MILLIMETERS [IN].
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. MECHANICAL PROPERTIES
   1. DURABILTY: 500 CYCLES
   2. RECCOMENDED TORQUE: 0.56 Nm [5.0in lbs]
   3. TEMPERATURE RANGE: -55º - +155ºC
   4. CORROSION (SALT SPRAY): ASTM B-117
5. ELECTRICAL SPECIFICATIONS ARE LISTED FOR REFERENCE ONL SEE LINX DATA SHEET FOR ELECTRICAL PROPERTIES.
   1. IMPEDANCE: 50Ω
   2. INSERTION LOSS: .075xVf(GHz) [CONNECTOR]
6. PRODUCT QUALIFIED IAW LINX TEST PLAN AT CURRENT REVISION.
7. UNLISTED DIMENSIONS ARE CONTROLLED BY SOLID MODEL AT LATEST REVISION.
8. PACKAGE KITS INDIVIDUALLY AND PLACE IN LOT BAGS.
9. LABEL LOT BAGS AND BOXES IAW LINX LABEL DRAWING [MEC-LBL-4x2.5-PAPER-ID]

ASSEMBLY INSTRUCTIONS
1. Strip the cable to the recommended dimensions.
2. Slip heat shrink onto stripped cable.
3. Solder support onto the braid.
4. Place the spacer onto the center conductor.
5. Solder or crimp the socket onto the center conductor.
6. Insert the socket, center conductor, spacer and support into the body until the top of the socket is even with the white insulation in the body.
7. Crimp the tail of the body onto the support with a 0.093" hex crimp tool (or one labeled for use with RG-178 cable).
8. Use heat shrink to cover crimp.

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MATERIAL:

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.

.X ±2.0
.XX ±1.00
.XXX ±.500

ANGLES: ±1°
SURFACE: 32

PROJECTION:

WEIGHT:

FINISH: VAR

DRAWN: SHOGAN DT: 7/27/2022

ENGR: DT: 10-JUL-08

159 ORT LANE
MERLIN, OR 97532

TITLE:
SMA MALE CABLE END CRIMP FOR COAX CABLE

SIZE	DWG. NO.	REV
B	C-CONREVSMA007-R178	C

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

LDCFDFB_B