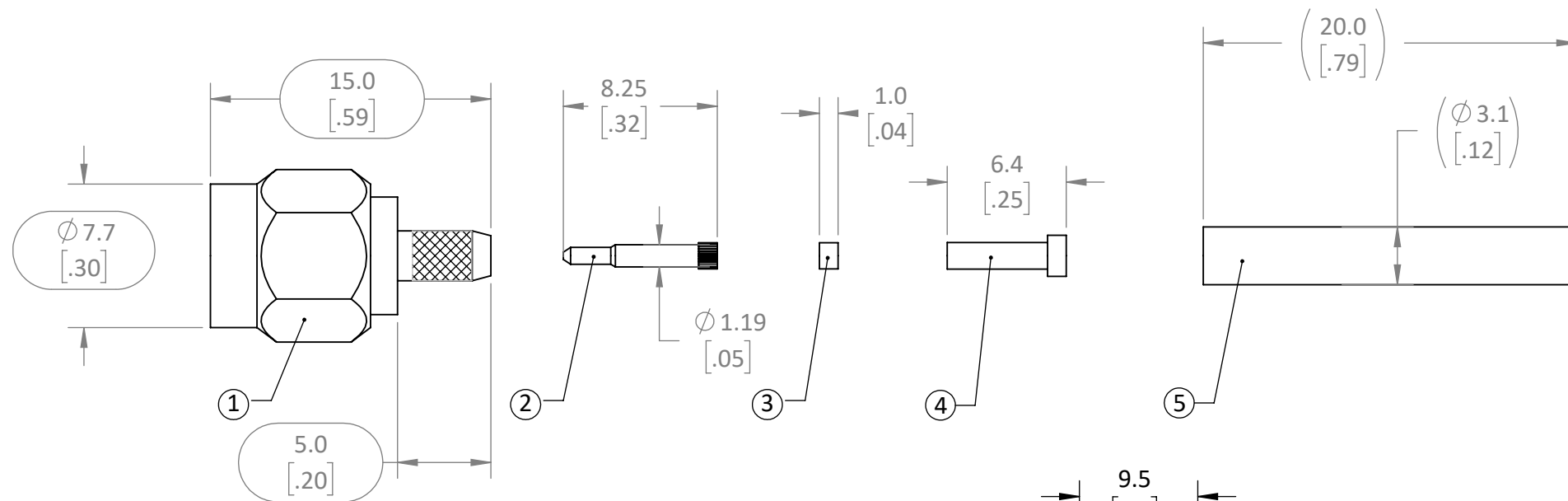
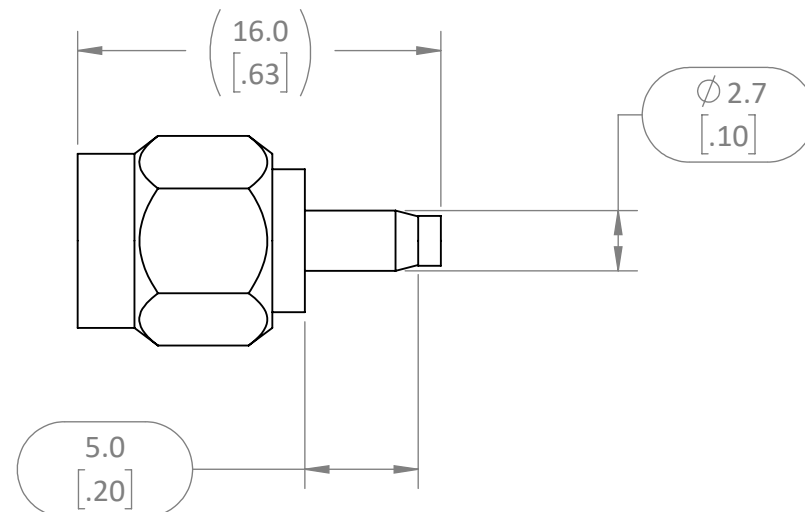
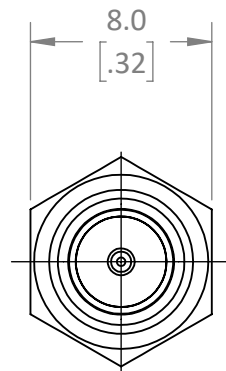


ITEM NUMBER	DESCRIPTION
1	CONNECTOR, SMA TYPE NICKEL/BRASS
2	PIN, SMAM RG174, GOLD/BRASS
3	SPACER, PTFE
4	SUPPORT, GOLD/BRASS
5	HEAT SHRINK, POLYOL, 2:1, BLACK

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

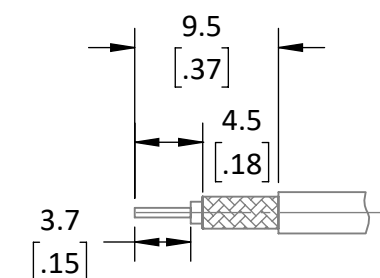


**NOTES: (UNLESS OTHERWISE SPECIFIED)**

- ALL DIMENSIONS ARE IN MILLIMETERS [IN].
- DIMENSIONS APPLY AFTER FINISHING.
- 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.
- MECHANICAL PROPERTIES
  - DURABILITY: 500 CYCLES
  - RECCOMENDED TORQUE: 0.56 Nm [5.0in lbs]
  - TEMPERATURE RANGE: -55° - +155°C
  - CORROSION (SALT SPRAY): ASTM B-117
- ELECTRICAL SPECIFICATIONS ARE LISTED FOR REFERENCE ONL SEE LINX DATA SHEET FOR ELECTRICAL PROPERTIES.
  - IMPEDANCE: 50Ω
  - INSERTION LOSS: .075xvf(GHz) [CONNECTOR]
- PRODUCT QUALIFIED IAW LINX TEST PLAN AT CURRENT REVISION.
- UNLISTED DIMENSIONS ARE CONTROLLED BY SOLID MODEL AT LATEST REVISION.
- PACKAGE KITS INDIVIDUALLY AND PLACE IN LOT BAGS.
- LABEL LOT BAGS AND BOXES IAW LINX LABEL DRAWING [MEC-LBL-4x2.5-PAPER-ID]

**ASSEMBLY INSTRUCTIONS**

- Strip the cable to the recommended dimensions.
- Slip heat shrink onto stripped cable.
- Solder support onto the braid.
- Place the spacer onto the center conductor.
- Solder or crimp the pin onto the center conductor.
- Insert the pin, center conductor, spacer and support into the body until the top of the pin is even with the threaded opening in the body.
- 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).
- Use heat shrink to cover crimp.



**RECOMMENDED CABLE STRIPPING DIMENSIONS**

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MATERIAL:	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.	PROJECTION:
WEIGHT:	.X ±.2 .XX ±.10 .XXX ±.050	ANGLES: ±1° SURFACE: √
FINISH: VAR	DRAWN: AJVM ENGR:	DT: 7/27/2022 DT: 10-JUL-08

**STE** 159 ORT LANE  
connectivity MERLIN, OR 97532

TITLE:  
**SMA MALE CABLE END CRIMP FOR COAX CABLE**

SIZE DWG. NO. REV  
**B** C-CON SMA007-R178 **C**

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