

BILL OF MATERIALS		
ITEM	DESCRIPTION	QTY.
1	BODY, CONNECTOR, SMA, BRASS, RG178	1
2	PIN, BECU, KNUR, SOLDER, RG-174, GOLD	1
3	SPACER, SUPPORT, PTFE, RG-174	1
4	COLLAR, SHIELD, SOLDER, BRASS, GOLD	1
5	HEAT SHRINK, PE, ID Ø3mm	20mm

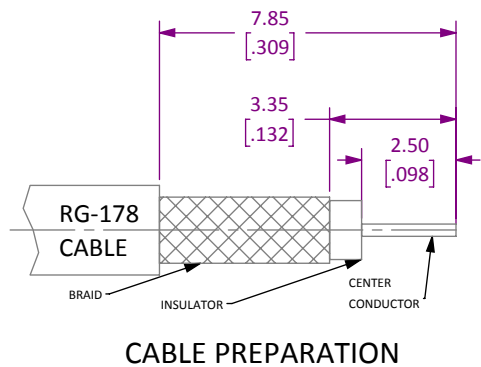
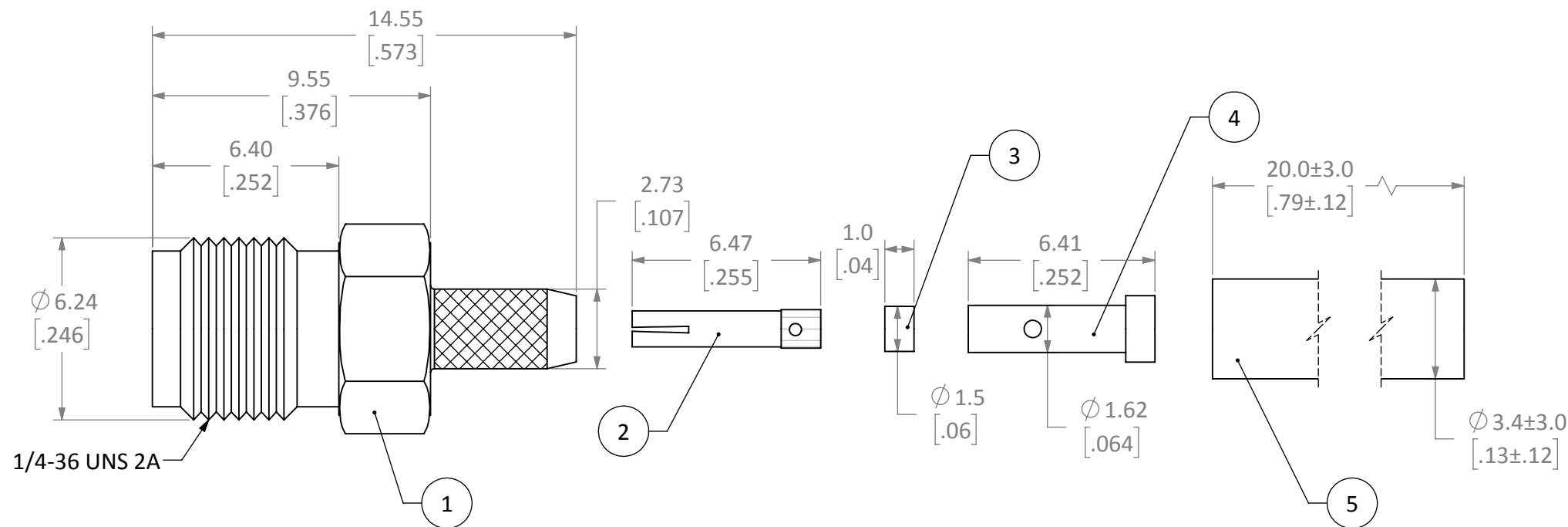
REVISIONS			
REV	DESCRIPTION	DATE	APPV
B	UPDATED FOOTPRINT AND DIMENSIONS. ADDED NEW TITLE BLOCK	BMURPHY 7/2/12	SAH
C	UPDATED DRAWING AND MODELS. ADDED SMS MODEL AND ASSEMBLY. REVISED DRAWING TO SHOW UPDATED PARTS.	JHAGER 10/20/2020	CL 10/28/20

**ASSEMBLY INSTRUCTIONS:**

1. STRIP CABLE TO RECOMMENDED DIMENSIONS.
2. SLIP HEAT SHRINK ONTO STRIPPED CABLE.
3. PLACE SPACER [FN3] ONTO CENTER CONDUCTOR.
4. SOLDER PIN [FN2] ONTO CENTER CONDUCTOR.
5. INSERT PIN AND SPACER THROUGH GROUNDING COLLAR [FN4] AND OVER BRAID.
6. INSERT ASSEMBLY INTO [FN1] BODY UNTIL THE TOP OF THE SOCKET IS FLUSH WITH INSULATION.
7. SOLDER OR CRIMP KNURELED END TO CROUNDING COLLAR.
8. SLIDE HEAT SHRINK OVER ASSEMBLY AND SHRINK IN PLACE.

**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. BREAK AND DEBURR SHARP EDGES .02mm
5. ELECTRICAL:
  1. IMPEDANCE: 50Ω
  2. INSULATION: 5000MΩ
  3. VOLTAGE: WORKING 335V RMS [750V RMS MAX]
  4. CONTACT RESISTANCE: PIN: <3mΩ OUTER: <2.5mΩ
  5. VSWR: 1.12 + .02f
6. MECHANICAL:
  1. MOUNTING: FREE HANGING [IN-LINE]
  2. INTERFACE: SMA IAW MIL-STD-348
  3. DURABILITY: 500 CYCLES
  4. TORQUE MAX: .57 N/m [5.0 IN/LBS] MAX
  5. WRENCH: 6.35mm [1/4 IN]
7. ENVIRONMENTAL: IAW MIL-STD-202
  1. SALT FOG: ASTM B-117
  2. THERMAL: 107b
  3. VIBRATION: 204d
  4. SHOCK: 213i
  5. TEMP: -55°C- +155°C MAX



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MATERIAL: BRASS BE CU	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5. .X ±1 .XX ±.04 .XXX ±.005	ANGLES: ±1° SURFACE: √	PROJECTION: 
FINISH: NiC GOLD	DRAWN: BMURPHY ENGR:	DT: 07/02/12 DT: 07/02/12	



TITLE:  
SMA Female Cable End Crimp - RG-178 Cable - with Support #B-SMA0473 & Shrink Tube #RU-0033-20 - RoHS

SIZE <b>B</b>	DWG. NO. CONSMSA011-R178	REV <b>C</b>
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SCALE: 5:1	DO NOT SCALE DRAWING	SHEET 1 OF 1
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