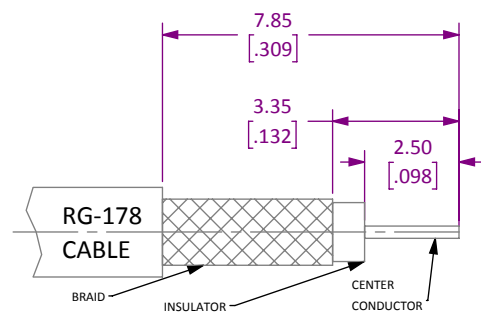
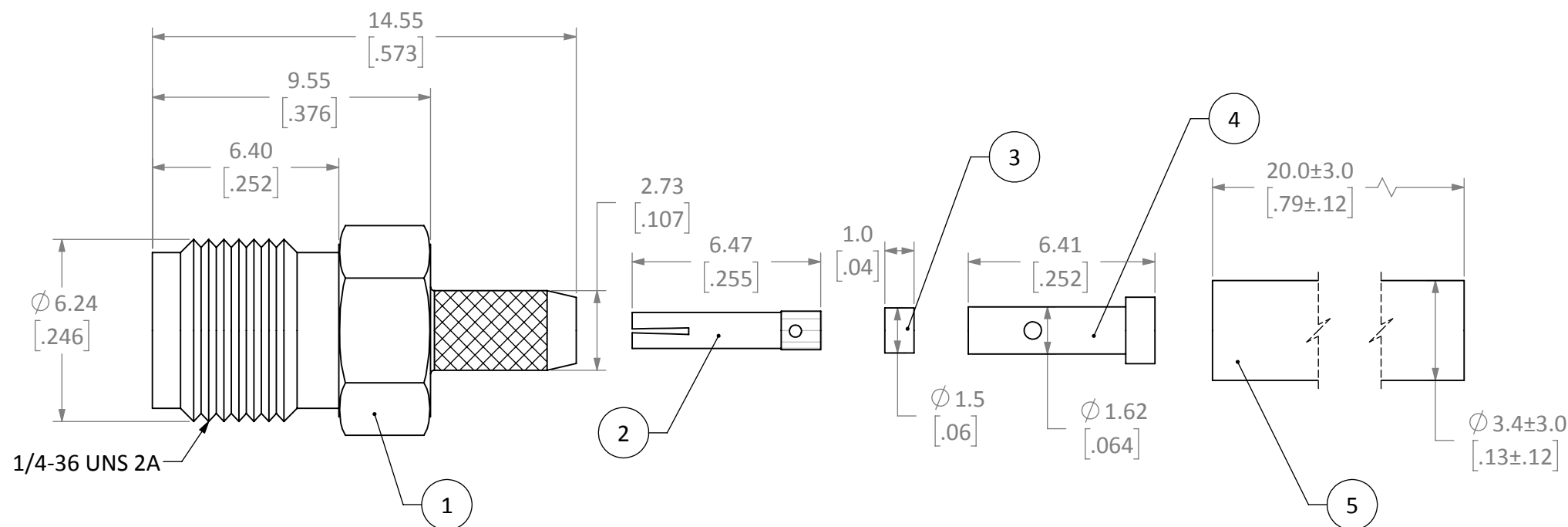


BILL OF MATERIALS		
ITEM	DESCRIPTION	QTY.
1	BODY, CONNECTOR, SMA, BRASS, RG178	1
2	PIN, BECU, KNUR, SOLDER, RG-174, GOLD	1
3	SPAC, SUPPORT, PTFE, RG-174	1
4	COLLAR, SHIELD, SOLDER, BRASS, GOLD	1
5	HEAT SHRINK, PE, ID Ø3mm	20mm

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 GROUNDING COLLAR.
8. SLIDE HEAT SHRINK OVER ASSEMBLY AND SHRINK IN PLACE.



CABLE PREPARATION

1/4" WRENCH

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

FINISH:	NiC
	GOLD

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.

DRAWN: BMIBPHY

DRAWN: DIMORPHIC	DT: 07/02/12
ENGR:	DT: 07/02/12

PROJECTION:

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

SIZE	DWG. NO.
------	----------

B CONSMA011-R178

SCALE: 5:1

DO NOT SCALE DRAWING

1 OF 1

DCFD FB_B

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

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