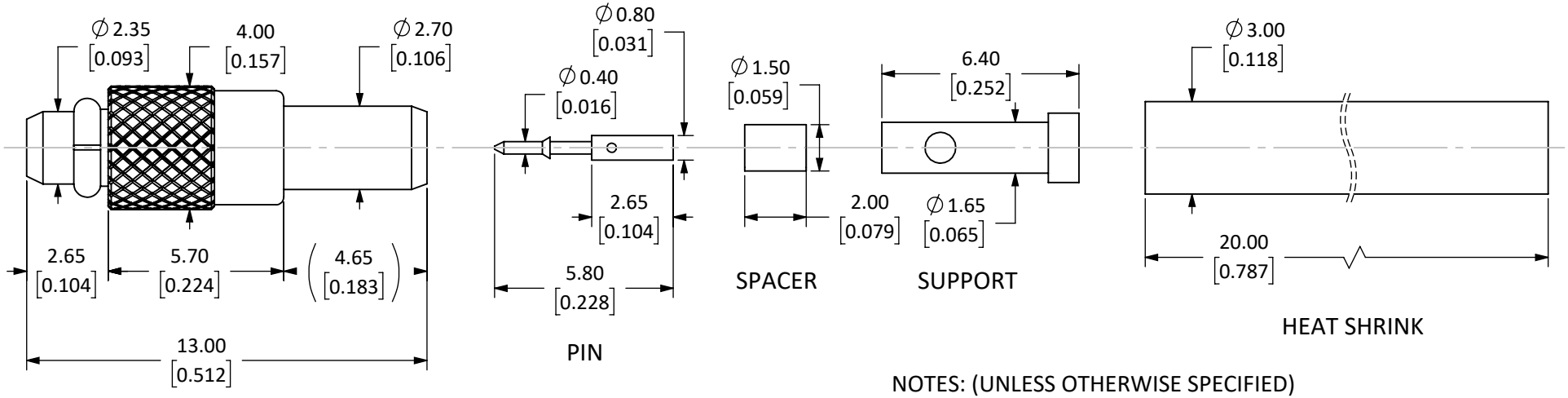
Connector: MMCX Plug (Male Pin)		
Termination: Cable End Crimp		
Connector Part	Material	Finish
Body	Brass	Gold
Pin/Support	Brass	Gold
Insulator/Spacer	PTFE	–
Lock Washer	BeCu	Gold
Heat Shrink	Polyolefin	Black

REVISIONS			
REV	DESCRIPTION	DATE	APPV
B	ADDED NEW TITLE BLOCK AND HEAT SHRINK; UPDATED INSTRUCTIONS	12-JUL-12	SAH
C	ADJUSTED CABLE STRIPPING INCH DIMENSION VALUES	12-MAR-13	SAH
D	UPDATED PIN AND MATERIAL FROM BeCu TO BRASS; REMOVED KNURLING FROM CRIMP TUBE; UPDATED DIMENSION UNITS; ADDED SECOND SPECIFICATION SHEET		



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)



SCALE 1 : 1

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MATERIAL:

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.

.X ±.1
.XX ±.01
.XXX ±.005

ANGLES: ±1°

SURFACE: 32

PROJECTION:

FINISH:

DRAWN: B.MURPHY DT: 12-JUL-12

ENGR: S.HOGAN DT: 12-JUL-12

159 ORT LANE
MERLIN, OR 97532

TITLE:

MMCX MALE CABLE END CRIMP FOR RG-178 CABLE

SIZE	DWG. NO.	REV
A	C-CONMMCX007-R178	B

SCALE: 5:1 DO NOT SCALE DRAWING SHEET 1 OF 2

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
VSWR: f (GHz)	RG-178, or Equivalent 1.20+0.025f
Working Voltage	RG-178, or Equivalent → 250 V RMS max.
Dielectric Withstanding Voltage	RG-178, or Equivalent → 500 V RMS max.

6 TABLE II

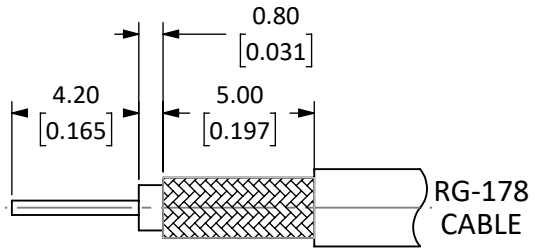
Environmental Data	Detail
Corrosion (Salt spray)	ASTM B-117
Thermal Shock	MIL-STD-202 Method 107 test condition B
Vibration	MIL-STD-202 Method 204 test condition D
Mechanical Shock	MIL-STD-202 Method 213 test condition I
Temperature Range	-55 °C to +155 °C
Environmental Compliance	RoHS

7 TABLE III

Mechanical Data	Detail
Mounting Type	Free Hanging (In-Line)
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	3 g (0.1 oz)

ASSEMBLY INSTRUCTIONS

1. Strip the cable to the recommended dimensions.
2. Slip heat shrink onto stripped cable.
3. Solder the support onto the braid.
4. Place the spacer onto the center conductor.
5. Solder or crimp the pin onto the center conductor.
6. Insert the pin, center-conductor, spacer and support into the body until the pin snaps in.
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.



RECOMMENDED CABLE STRIPPING DIMENSIONS
CAN ALSO BE USED WITH:
RG-196

SIZE	DWG. NO.	REV
A	CONMMCX007-R178	D
SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 2 OF 2