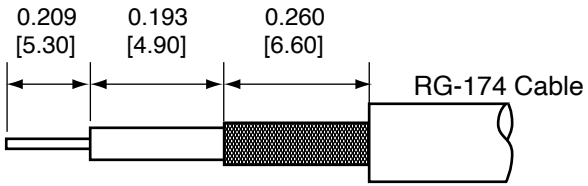
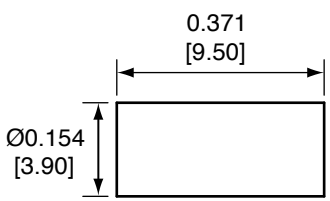
Description	Material	Finish
Body	Brass	Nickel
Socket	BE CU	Gold
Pin Insulator	PTFE	N/A
Washer	Brass	Nickel
Nut	Brass	Nickel
Spacer	PTFE	N/A
Shield Sleeve	Brass	Nickel
Retaining Nut	Brass	Nickel
Crimp Ring	Brass	Nickel
Heat Shrink	Polyolefin	Black

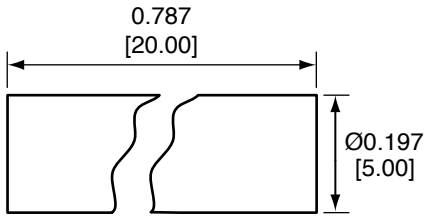
REVISIONS			
REV	DESCRIPTION	DATE	APPV
B	Updated footprint and dimensions; Added new title block	29-JUN-12	BPM



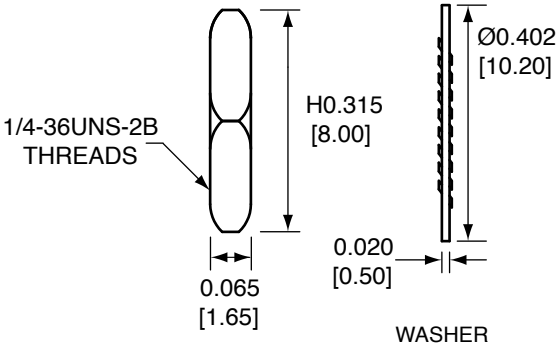
RECOMMENDED CABLE STRIPPING DIMENSIONS

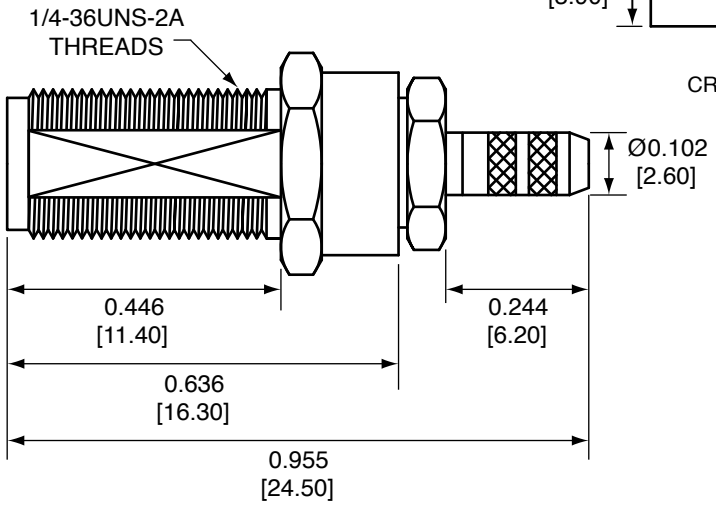


CRIMP RING

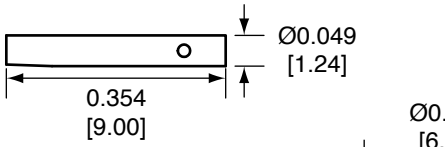


HEAT SHRINK

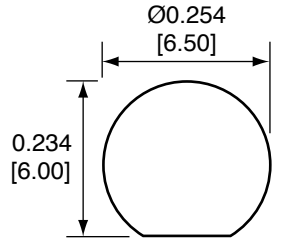




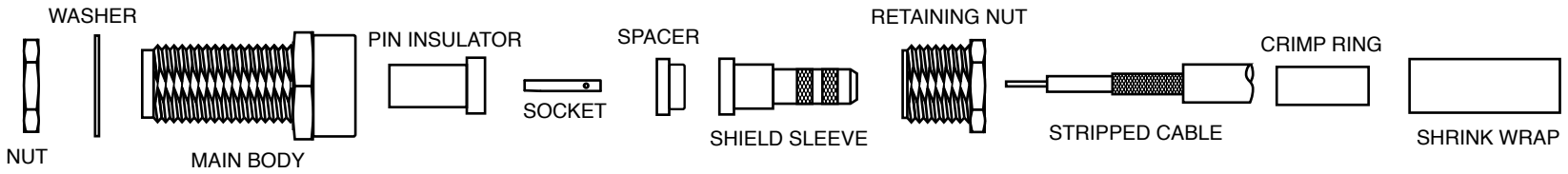
SIDE VIEW



SOCKET



RECOMMENDED
MOUNTING HOLE



CONSMA005 ASSEMBLY INSTRUCTIONS

1. Strip cable to recommended dimensions.
2. Slip heat shrink and crimp ring onto stripped cable.
3. Insert the stripped cable through the retaining nut, shield sleeve, and spacer.
4. Solder the socket to the center conductor.
5. Insert the socket into the pin insulator, then screw the main body onto the retaining nut.
6. Wrap the braid around the tail of the body and crimp the ring with a 0.128" hex crimp tool (or one labeled for use with RG-174 cable).
7. Use heat shrink to cover crimp.
8. Use the nut and washer to secure the connector to a case.

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NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN INCHES [mm].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE.
4. SAFETY BREAK ALL SHARP CORNERS AND EDGES .02 MAXIMUM.

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MATERIAL:

FINISH:

TOLERANCES:
.020 [0.50]-.200 [5.00]= ±.008 [0.20]
.200 [5.00]-1.200 [30.00]= ±.016 [0.40]
1.20 [30.0]-4.75 [120.0]= ±.024 [0.60]
4.75 [120.0]-12.40 [315.0]= ±.040 [1.0]

PROJECTION:

ANGLES: ±1°

DRAWN: B.MURPHY DT: 29-JUN-12

ENGR: DT:

TITLE:
SMA FEMALE BULKHEAD MOUNT
CABLE END CRIMP FOR RG174 CABLE

SIZE	DWG. NO.	REV
A	CONSMA005	B

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

LDCFDLT_A

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