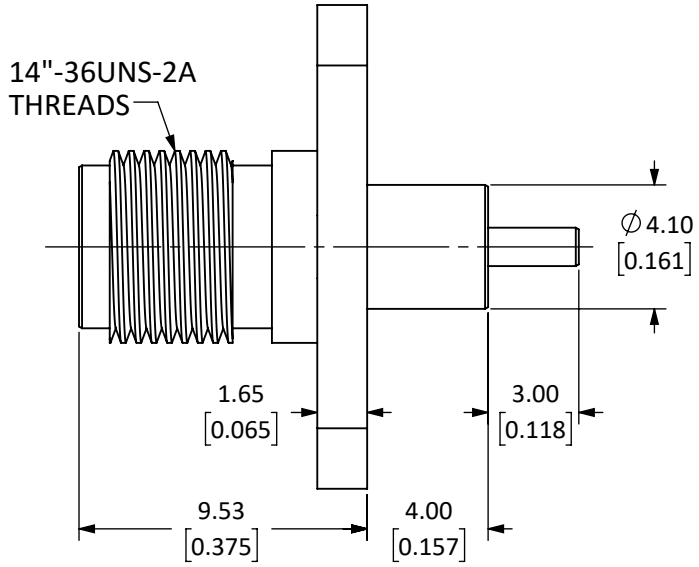
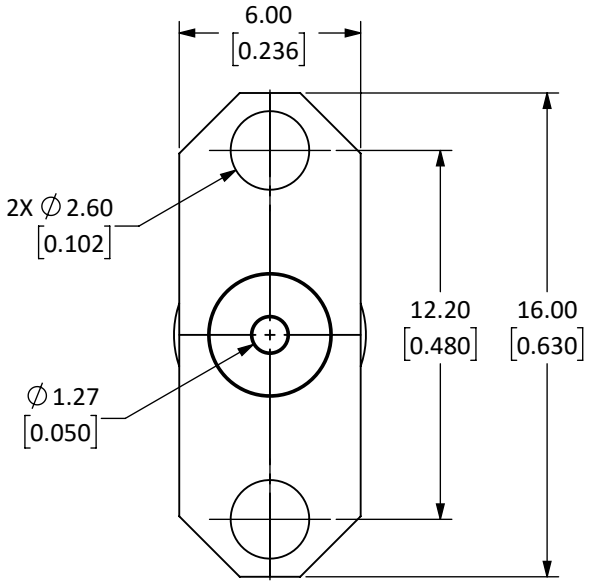
| Connector: SMA Jack (Female Socket) | | |
|---|---|---|
| Body Style | PCB Flange Mount | |
| Connector Part | Material | Finish |
| Body | Brass | Gold |
| Center Contact | Socket: BeCu | Gold |
| Insulator | PTFE | - |

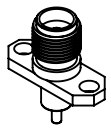
| REVISIONS | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPV |
| A | INITIAL RELEASE OF SOLID MODEL. | CLL | 6-FEB-20 |




NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN MILLIMETERS [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



159 ORT LANE
MERLIN, OR 97532

TITLE: SMA FEMALE FLANGE MOUNT, GOLD

MATERIAL:

TOLERANCES:
0.50 [.020]-5.00 [.200]= ±0.20 [.008]
5.00 [.200]-30.00 [1.200]= ±0.40 [.016]
30.0 [1.20]-120.0 [4.75]= ±0.60 [0.24]
120.0 [4.75]-315.0 [12.40]= ±1.0 [.040]

PROJECTION:

ANGLES: ±1°

FINISH:

DRAWN: M. SCHULTE DT: 15-JAN-20

ENGR: D. VARATHARAJAN DT: 6-FEB-20

| SIZE | DWG. NO. | REV |
|---|---|---|
| A | CONSMA018-4-G | A |

SCALE: 4:1 | DO NOT SCALE DRAWING | SHEET 1 OF 2

## 5 TABLE I

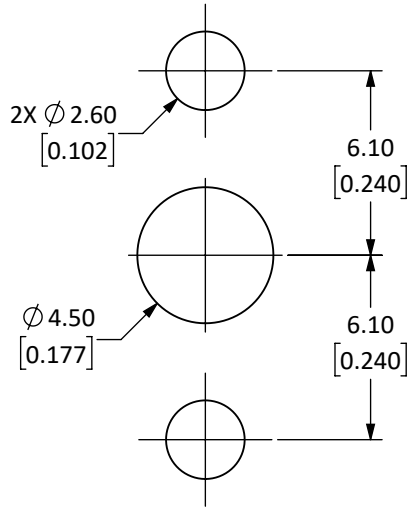
| Electrical Data | Detail |
|---|---|
| Impedance | 50 Ω |
| Frequency Range | 0 to 18 GHz |
| Insulation Resistance | ≥ 1000 MΩ |
| Voltage Rating | 1500 V RMS |
| Contact Resistance | Center ≤ 5.0 m Ω Outer: ≤ 2.5 m Ω |
| VSWR | ≤ 1.2 @ 6 GHz |

## 6 TABLE II

| Environmental Data | Detail |
|---|---|
| Corrosion (Salt Spray) | MIL-STD-202 METHOD 101 TEST CONDITION B |
| 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 | Panel Mount |
| Fastening Type | 1/4"-36UNS-2A Threaded Coupling |
| Recommended Torque | 0.57 N.m (5 in.lbs) |
| Coupling Nut Retention | 60 lbs min. |
| Connector Durability | 500 cycles min. |
| Weight | 2.1 g (0.07 oz) |




RECOMMENDED MOUNTING HOLES

| SIZE | DWG. NO. | REV |
|---|---|---|
| A | CONSMA018-4-G | A |
| SCALE: 4:1 | DO NOT SCALE DRAWING | SHEET 2 OF 2 |