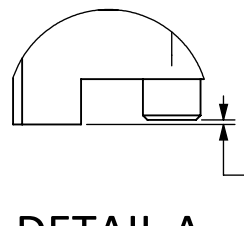
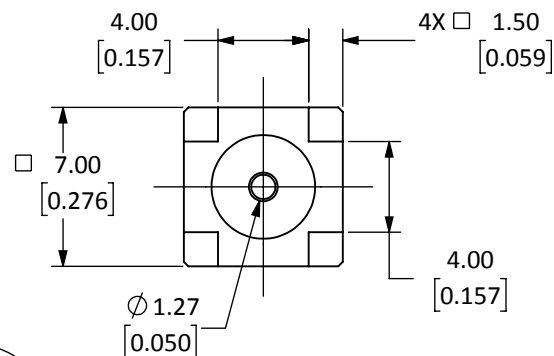
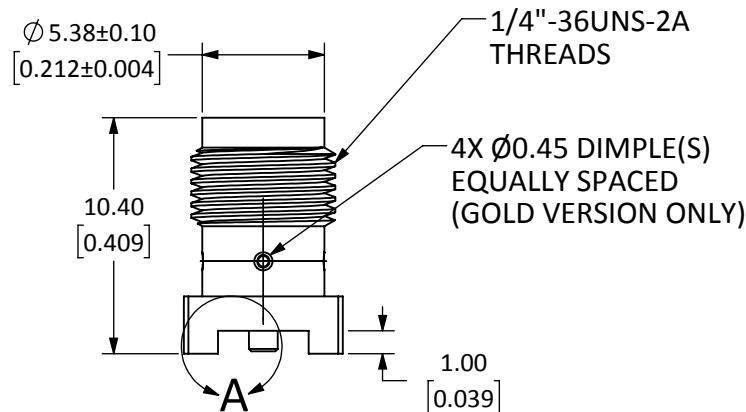
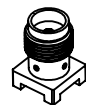


| | | | | |
|-------------------------------------|----------------|------------------|--|------|
| Connector: SMA Jack (Female Socket) | | | | |
| Termination: PCB Surface Mount | | | | |
| Part Number | CON SMA001-SMD | CON SMA001-SMD-G | CON SMA001-SMD-G-T | |
| Packaging Type | Bulk | Bulk | Tape and Reel 400 Pieces per Reel 9 | |
| Connector Part | Material | Finish | | |
| Body | Brass | Nickel | Gold | Gold |
| Center Contact | Socket: BeCu | Gold | Gold | Gold |
| Insulator | PTFE | - | - | - |

| REVISIONS | | | |
|-----------|---|-----------|------|
| REV | DESCRIPTION | DATE | APPV |
| B | RECOMMENDED FOOTPRINT REVISED; GOLD & NICKEL FINISH OPTIONS | 9/25/09 | CJ |
| C | ADDED NEW TITLE BLOCK; UPDATED RECOMMENDED FOOTPRINT | 19-JUL-13 | BPM |
| D | ADDED DIMPLING TO PART; REMOVED FINISH OPTIONS | 3-JUN-13 | SAH |
| E | ADDED CONTACT TO STANDOFF DIMENSION; UPDATED NOTE 3 | 3-MAY-16 | SAH |
| F | UPDATED OUTER BARREL DIMENSION WAS Ø0.200 IS Ø0.212 | 29-NOV-17 | CLL |
| G | UPDATED DIMENSION UNITS; COMBINED GOLD AND NICKEL PLATED VERSIONS; ADDED SPECIFICATION SHEETS AND TAPE AND REEL VERSION | 1-OCT-19 | CLL |



DETAIL A
SCALE 6 : 1



SCALE 1 : 1

NOTES: (UNLESS OTHERWISE SPECIFIED)

- ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
- DIMENSIONS APPLY AFTER FINISHING.
- 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.
- SAFETY BREAK ALL SHARP CORNERS AND EDGES 0.5 MAXIMUM.
- SEE TABLE I FOR ELECTRICAL SPECIFICATIONS. (SHEET 2)
- SEE TABLE II FOR ENVIRONMENTAL SPECIFICATIONS. (SHEET 2)
- SEE TABLE III FOR MECHANICAL SPECIFICATIONS. (SHEET 2)
- SEE PARTSLIST. "*" INDICATE FINISH AND PACKAGING TYPE.
- PACKAGING INSTRUCTIONS (TAPE AND REEL VERSION ONLY):
 - APPLY LABEL, LBL-REEL-2.8x2.0, TO OUTSIDE OF REEL.
 - MARK LABEL WITH LINX PART NUMBER, MFG CODE, LINX PO NUMBER (LINX PO NUMBER IN LOT CODE FIELD) AND QUANTITY.
 - VACUUM PACK REEL WITH DESSICANT PACK (NO HIT CARD) INSIDE.
 - APPLY SECOND LINX LABEL, LBL-REEL-2.8x2.0, TO VACUUM SEALED BAG.
 - MARK SECOND LABEL WITH LINX PART NUMBER, MFG CODE, LINX PO NUMBER, (LINX PO NUMBER IN LOT CODE FIELD) AND QUANTITY

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| | | |
|-----------|---|-------------------------------|
| MATERIAL: | TOLERANCES: 0.50 [0.020]-5.00 [0.200]= ±0.20 [0.008] 5.00 [0.200]-30.00 [1.200]= ±0.40 [0.016] 30.0 [1.200]-120.0 [4.75]= ±0.60 [0.24] 120.0 [4.75]-315.0 [12.40]= ±1.0 [0.040] | PROJECTION: |
| FINISH: | DRAWN: B.MURPHY ENGR: S.HOGAN | DT: 22-APR-13 DT: 3-JUN-13 |



TITLE:
**SMA FEMALE PCB MOUNT
SURFACE MOUNT**

| | | |
|------------|---------------------------|--------------|
| SIZE | DWG. NO. | REV |
| A | CON SMA001-SMD-*_* | G |
| SCALE: 3:1 | DO NOT SCALE DRAWING | SHEET 1 OF 3 |

5 TABLE I

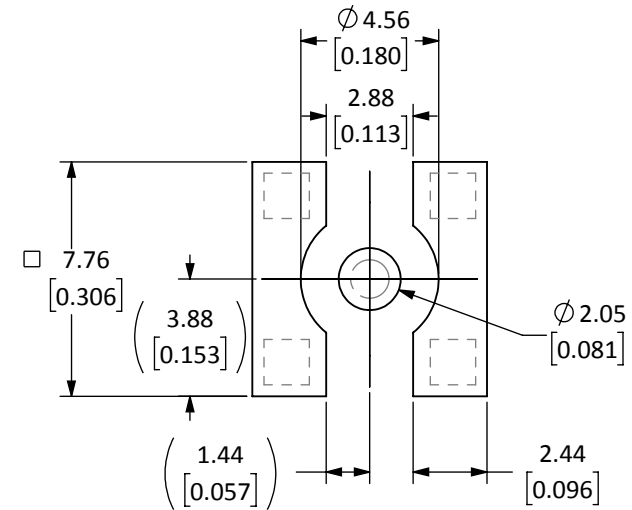
| Electrical Data | Detail | |
|-----------------------|--|--|
| Part Number | CONSMA001-SMD | CONSMA001-SMD-G |
| Impedance | 50 Ω | 50 Ω |
| Frequency Range | 0 to 18 GHz | 0 to 18 GHz |
| Insulation Resistance | - | - |
| Voltage Rating | 750 V RMS | 1000 V RMS |
| Contact Resistance | Center: ≤ 2.0 m Ω Outer: ≤ 2.0 m Ω | Center: ≤ 2.0 m Ω Outer: ≤ 2.0 m Ω |
| VSWR | 1.2 Max @ 6 GHz | 1.3 Max @ 6 GHz |

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 | -65 °C to +165 °C |
| Environmental Compliance | RoHS |

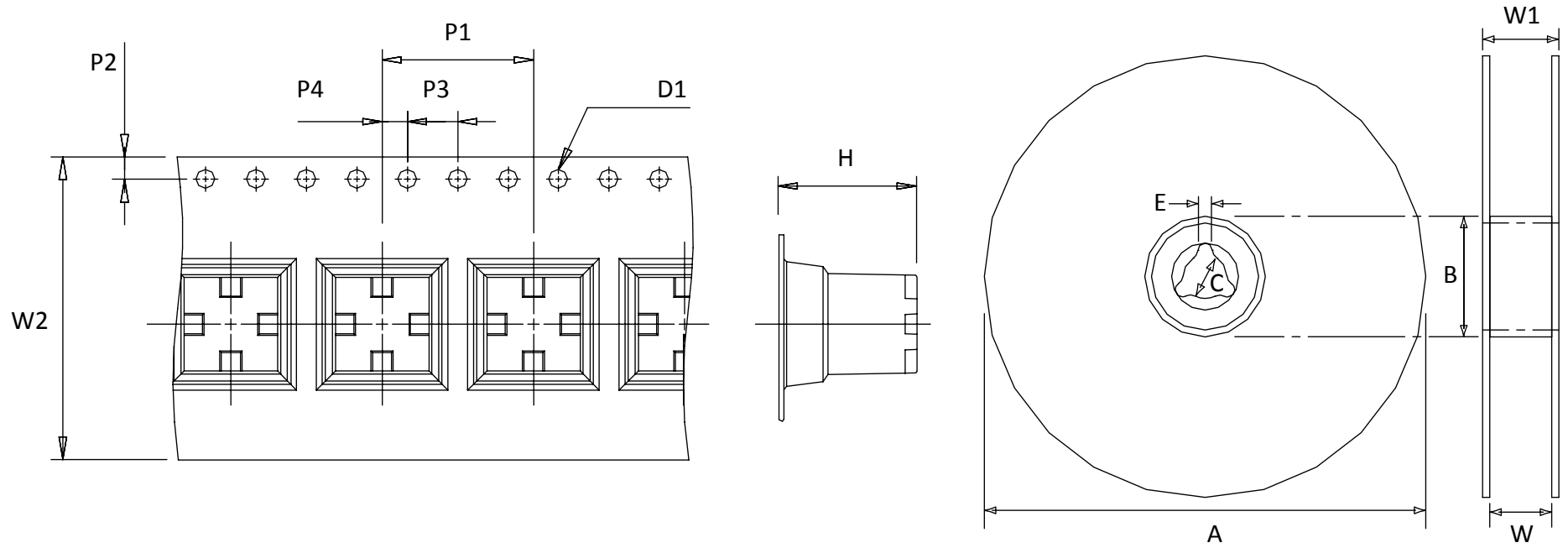
7 TABLE III

| Mechanical Data | Detail |
|------------------------|---|
| Mounting Type | Panel Mount, Surface Mount, Right Angle |
| 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 | 1.5 g (0.05 oz) |



RECOMMENDED FOOTPRINT

| | | |
|------------|----------------------|--------------|
| SIZE | DWG. NO. | REV |
| A | CONSMA001-SMD-*-* | G |
| SCALE: 4:1 | DO NOT SCALE DRAWING | SHEET 2 OF 3 |



| TAPE DIMENSIONS | | |
|-----------------|----------------|-----------|
| SYMBOL | DIMENSION (mm) | TOLERANCE |
| D1 | Ø1.55 | ± 0.10 |
| H | 10.8 | ± 0.20 |
| P1 | 12.00 | ± 0.20 |
| P2 | 1.75 | ± 0.10 |
| P3 | 4.0 | ± 0.20 |
| P4 | 2.0 | ± 0.20 |
| W2 | 24.00 | ± 0.30 |

| REEL DIMENSIONS | | |
|-----------------|----------------|------------------|
| SYMBOL | DIMENSION (mm) | TOLERANCE |
| A | 330 | ± 1.50 |
| B | 100 | ± 1.00 |
| C | 13.3 | ± 0.30 |
| E | 2.5 | ± 0.30 |
| W | 24.5 | + 1.50 - 0.10 |
| W1 | 28.7 | ± 0.40 |

| | | |
|------------|----------------------|--------------|
| SIZE | DWG. NO. | REV |
| A | CON SMA001-SMD-**-* | G |
| SCALE: 4:1 | DO NOT SCALE DRAWING | SHEET 3 OF 3 |