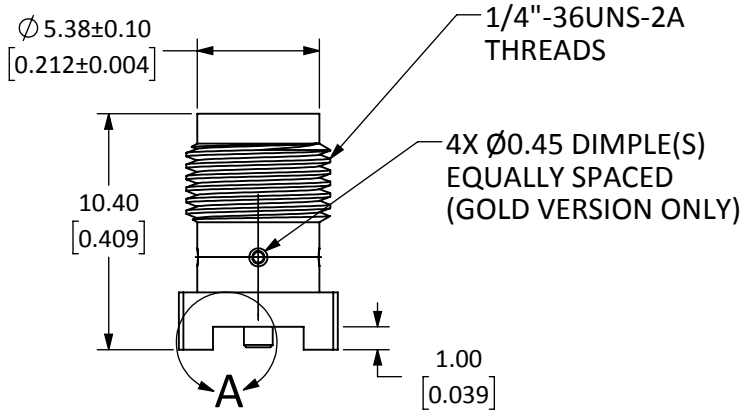
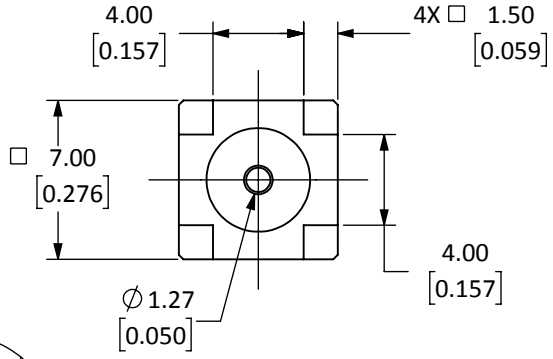
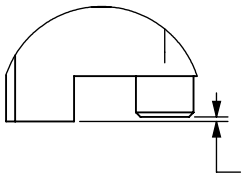
Connector: SMA Jack (Female Socket)				
Termination: PCB Surface Mount				
Part Number		CONSMA001-SMD	CONSMA001-SMD-G	CONSMA001-SMD-G-T
Packaging Type		Bulk	Bulk	Tape and Reel 400 Pieces per Reel △9
Connector Part	Material	Finish		
Body	Brass	Nickel	Gold	Gold
Center Contact	Socket: BeCu	Gold	Gold	Gold
Insulator	PTFE	-	-	-

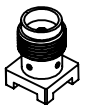
REVISIONS			
REV	DESCRIPTION	DATE	APPV
B	RECOMMENDED FOOTPRINT REVISED; GOLD & NICKEL FINISH OPTIONS	9/25/09	CJ
C	ADDED NEW TITLE BLOCK; UPDATED RECOMMENDED FOOTPRINT	19-JUL-13	BPM
D	ADDED DIMPLING TO PART; REMOVED FINISH OPTIONS	3-JUN-13	SAH
E	ADDED CONTACT TO STANDOFF DIMENSION; UPDATED NOTE 3	3-MAY-16	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)

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)

8. SEE PARTSLIST. "*-*" INDICATE FINISH AND PACKAGING TYPE.

△9 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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159 ORT LANE
MERLIN, OR 97532

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: B.MURPHY DT: 22-APR-13

ENGR: S.HOGAN DT: 3-JUN-13

TITLE:
SMA FEMALE PCB MOUNT SURFACE MOUNT

SIZE	DWG. NO.	REV
A	CONSMA001-SMD-*-*	G

SCALE: 3:1 DO NOT SCALE DRAWING SHEET 1 OF 3

5 TABLE I

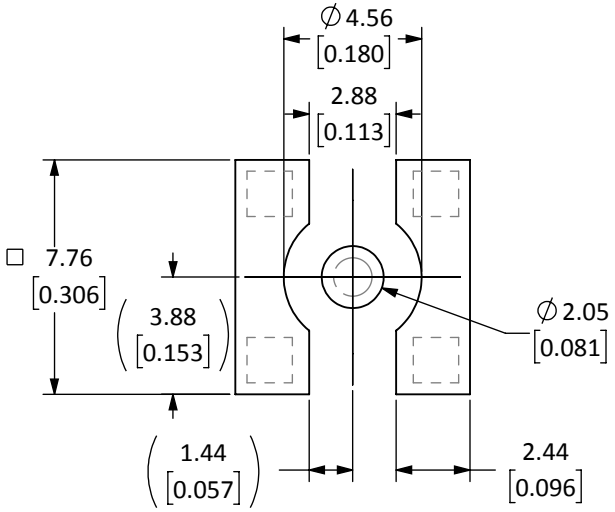
Electrical Data	Detail	
Part Number	CONSMA001-SMD	CONSMA001-SMD-G
Impedance	50 Ω	50 Ω
Frequency Range	0 to 18 GHz	0 to 18 GHz
Insulation Resistance	–	–
Voltage Rating	750 V RMS	1000 V RMS
Contact Resistance	Center: ≤ 2.0 mΩ Outer: ≤ 2.0 mΩ	Center: ≤ 2.0 mΩ Outer: ≤ 2.0 mΩ
VSWR	1.2 Max @ 6 GHz	1.3 Max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

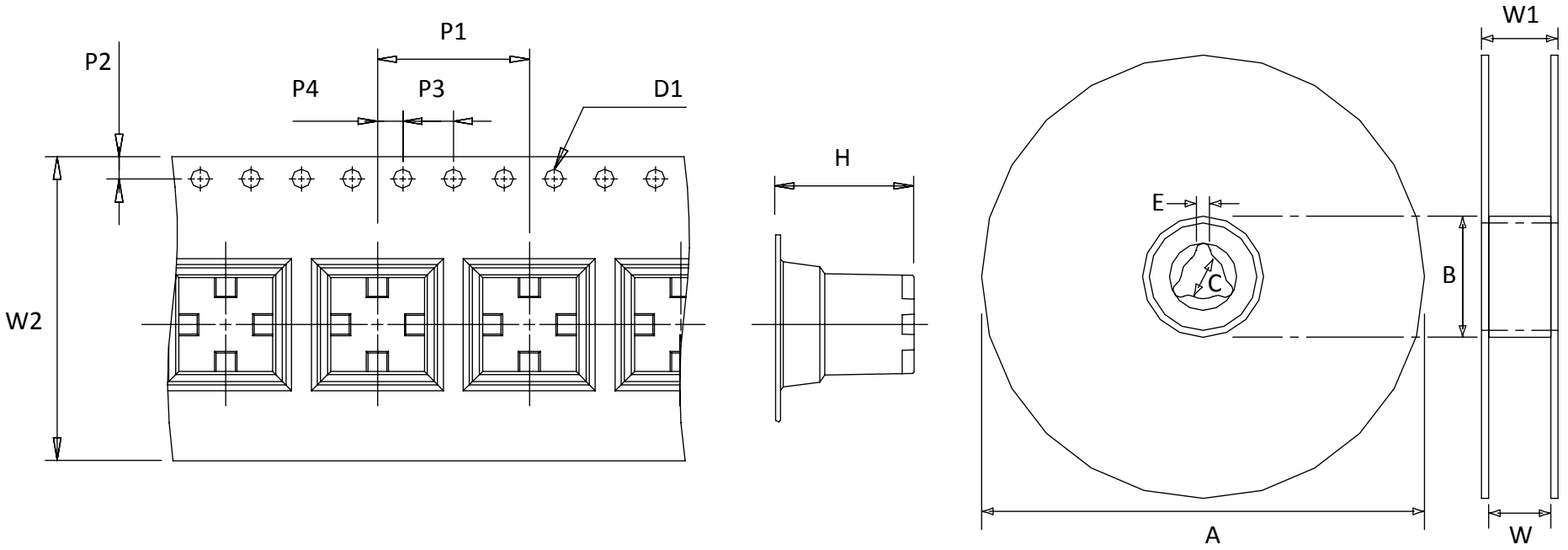
7 TABLE III

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	CONSMA001-SMD-*-*	G
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 3 OF 3