



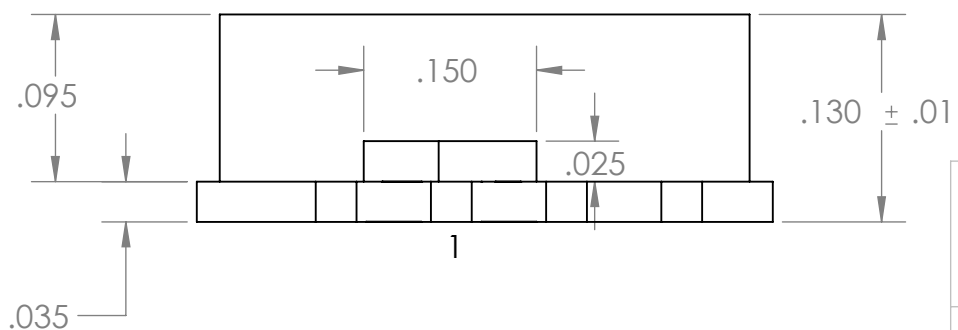
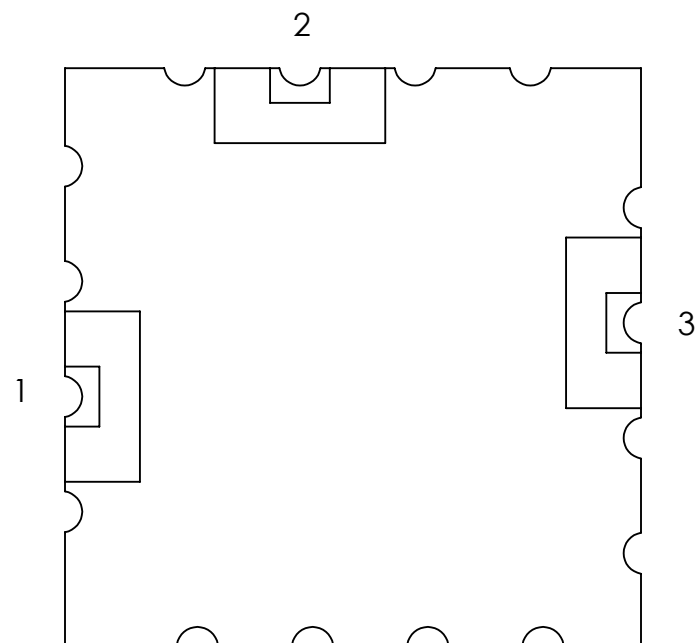
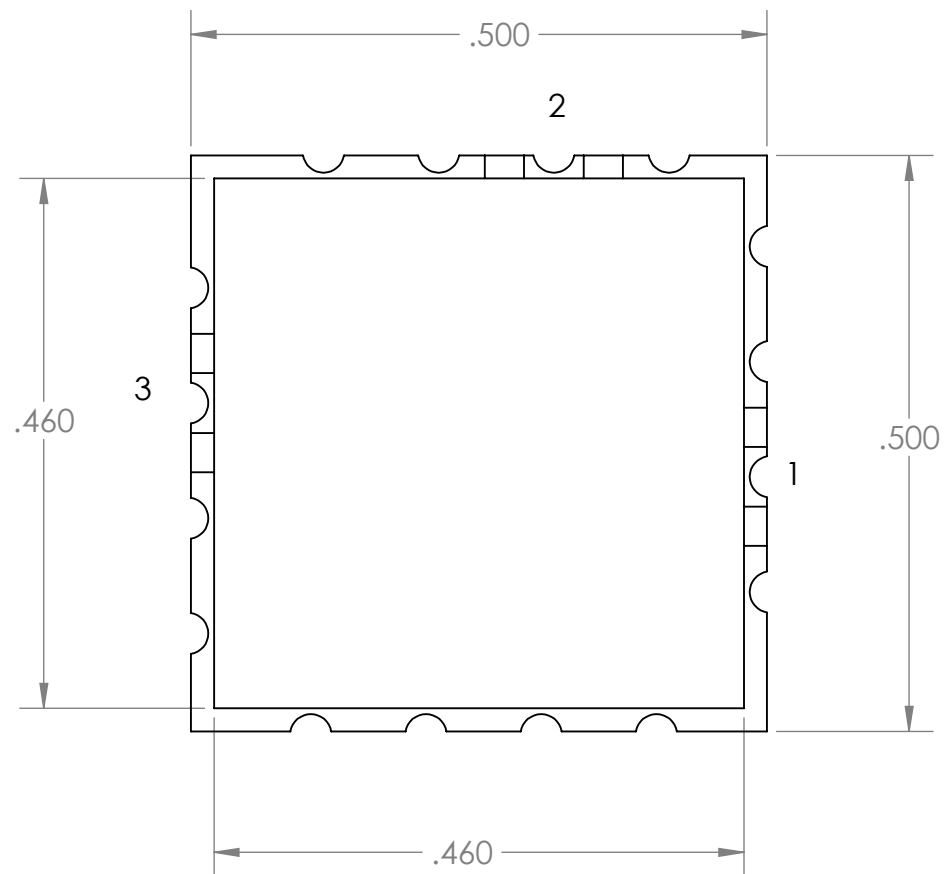
VCOR080094SMUA5_130

rev_0	initial rev
rev_1	prod name
rev_2	shield height
rev_3	added RoHS

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	800		940	MHz	1	..	..
Tuning Voltage	0		5	V	1	..	..
Modulation Sensitivity		45		MHz/V	3	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-2	0	2	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-85	-80	dBc/Hz	1	..	..
10 KHz Offset		-110	-105	dBc/Hz	1	..	..
100 KHz Offset		-130	-125	dBc/Hz	1	..	..
Pushing			3	MHz/V	3		..
Pulling (14 dB R.L.)			1	MHz	3		..
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		47		pF	2		
Harmonics		-10		dBc	3		..
Vcc		5.00		V	1	..	..
Icc			25	mA	1	..	..
Operating Temperature	-40		+85	C	3		..
Package		SMUA			5,6	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.130		inch	5	..	..

Notes

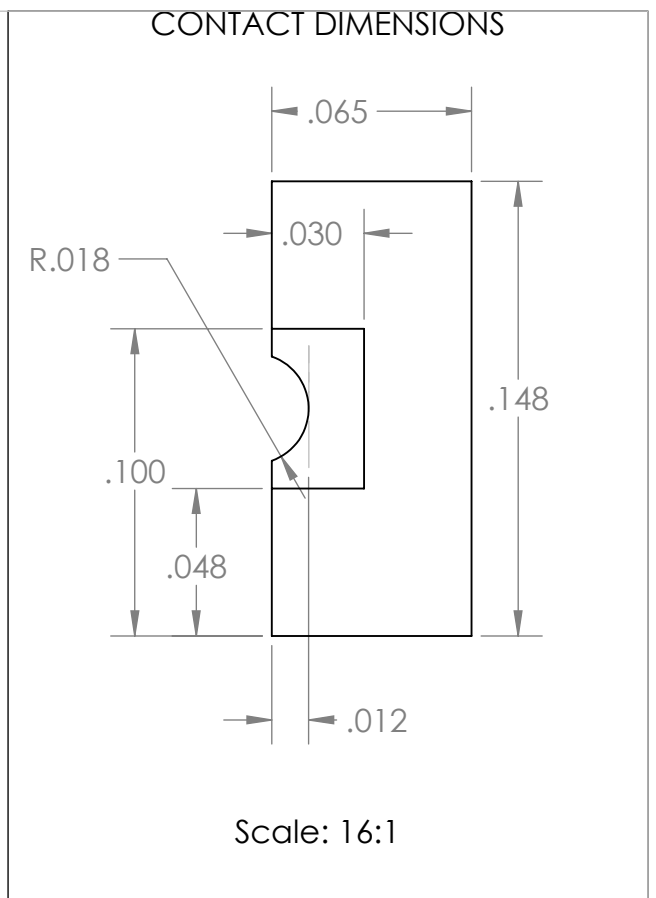
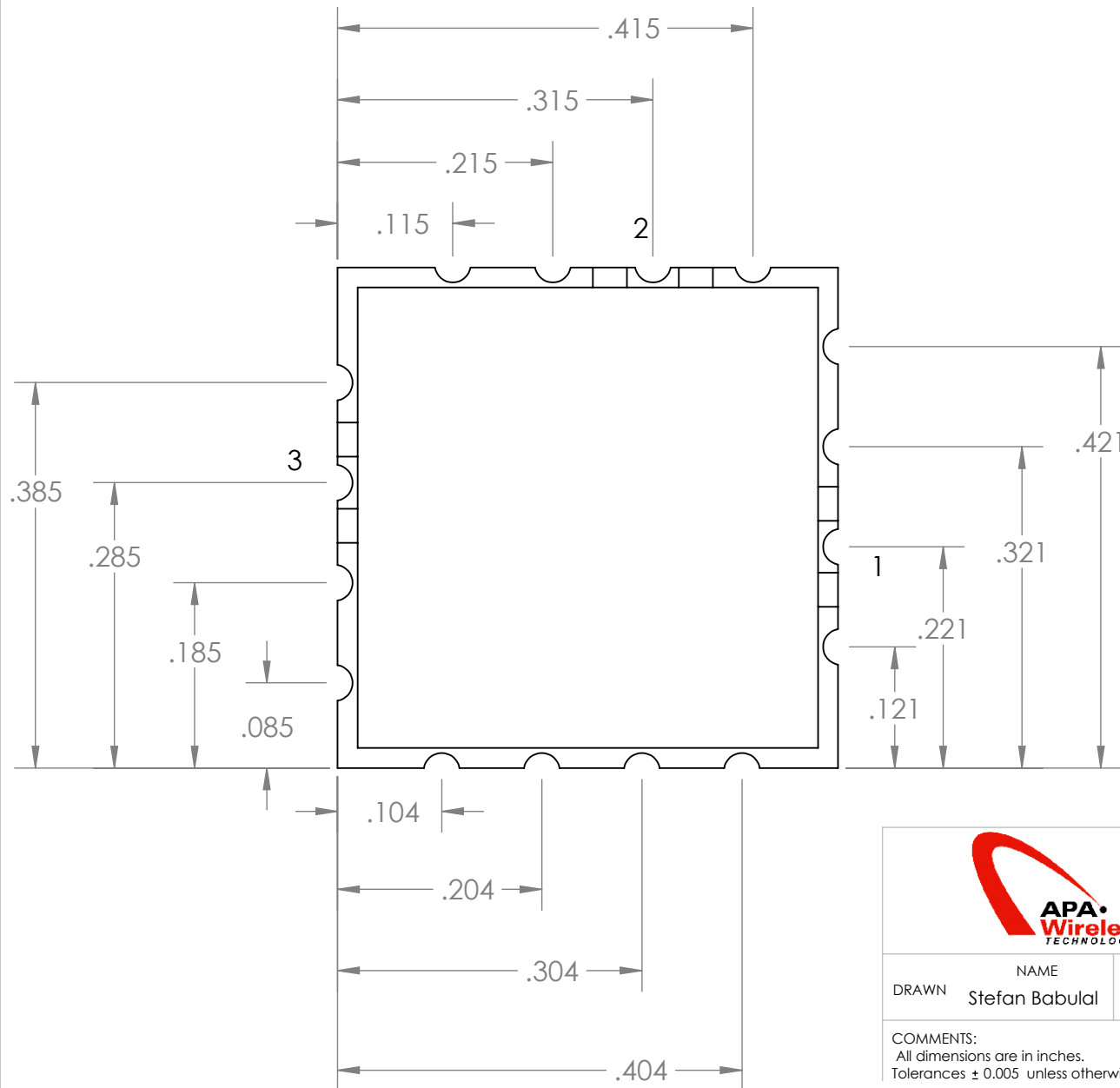
1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant



CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND



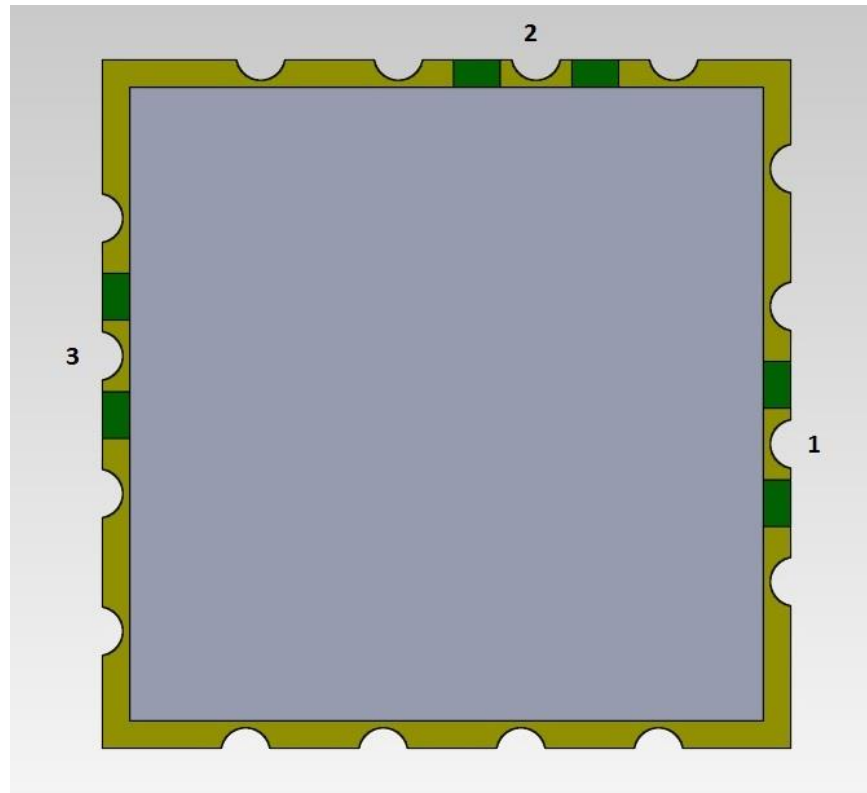
TITLE: SMUA_130			
DRAWN Stefan Babulal	NAME Stefan Babulal	DATE 2/17/2017	REV
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		SIZE A	DWG. NO. 1
SCALE: 6:1		unit: inch	SHEET 1 OF 2



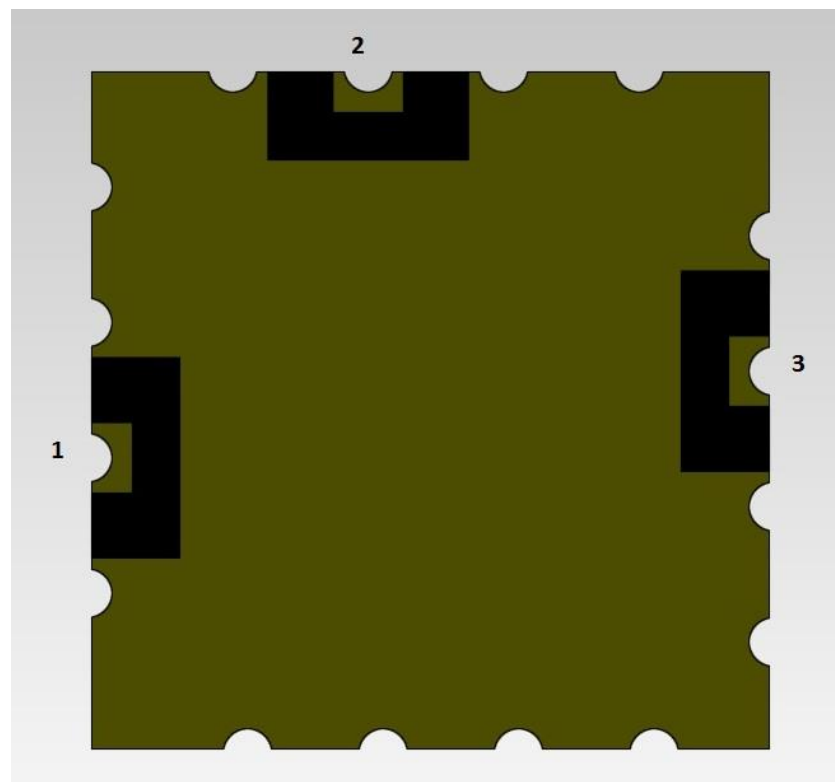
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

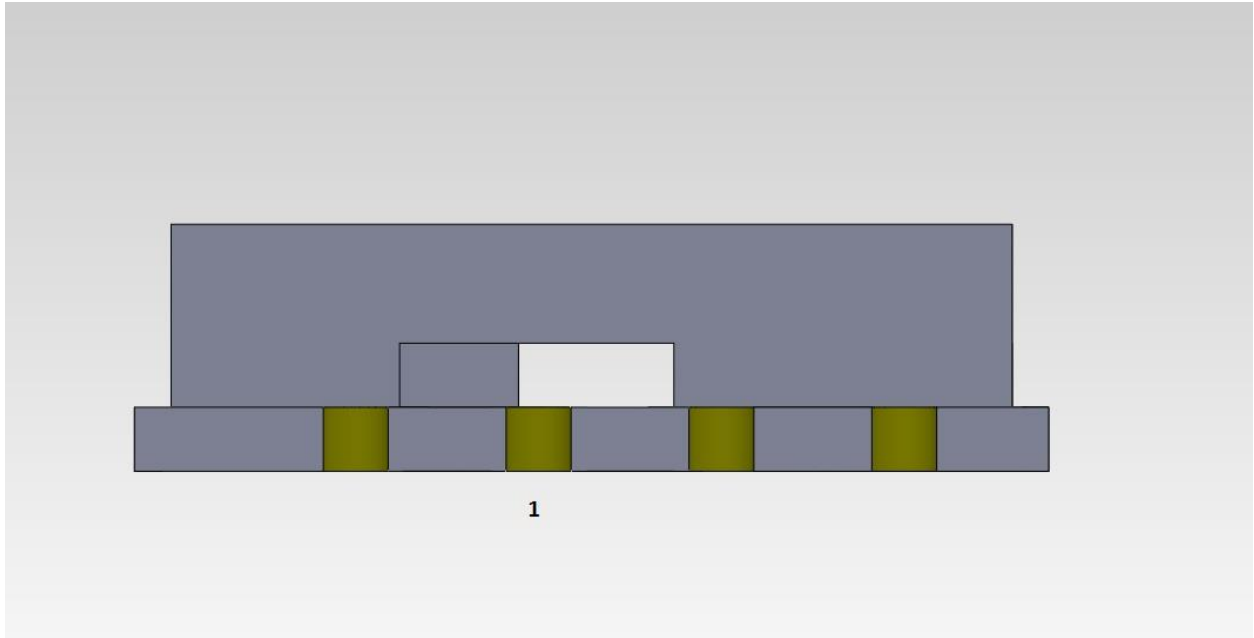
TITLE: SMUA_130		
SIZE A	DWG. NO. 1	REV
SCALE: 6:1	unit: inch	SHEET 2 OF 2



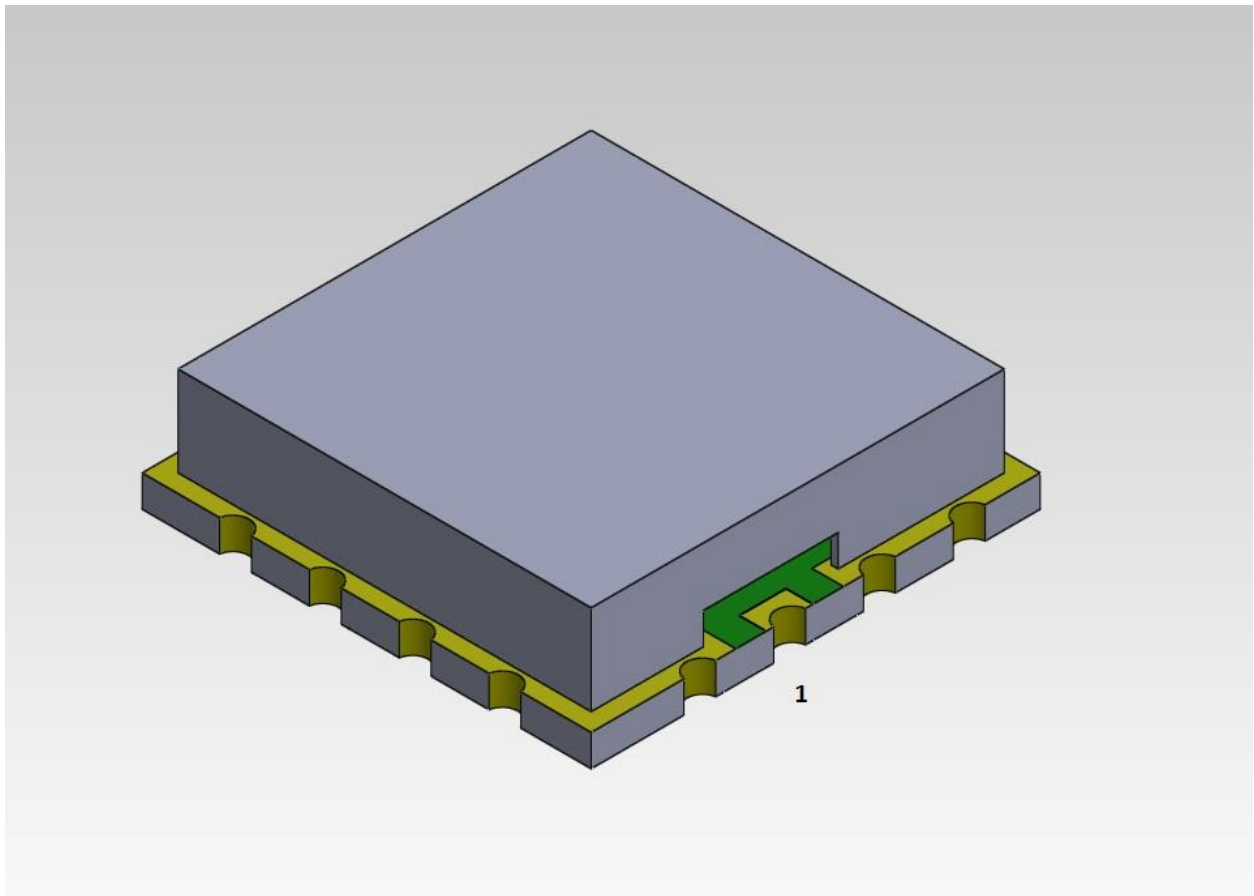
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW