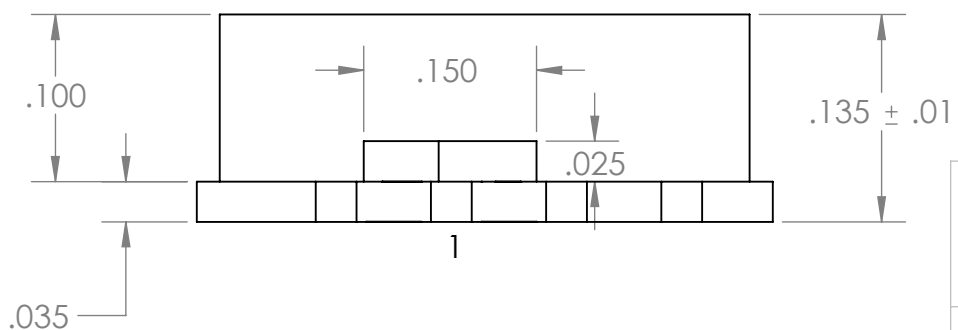
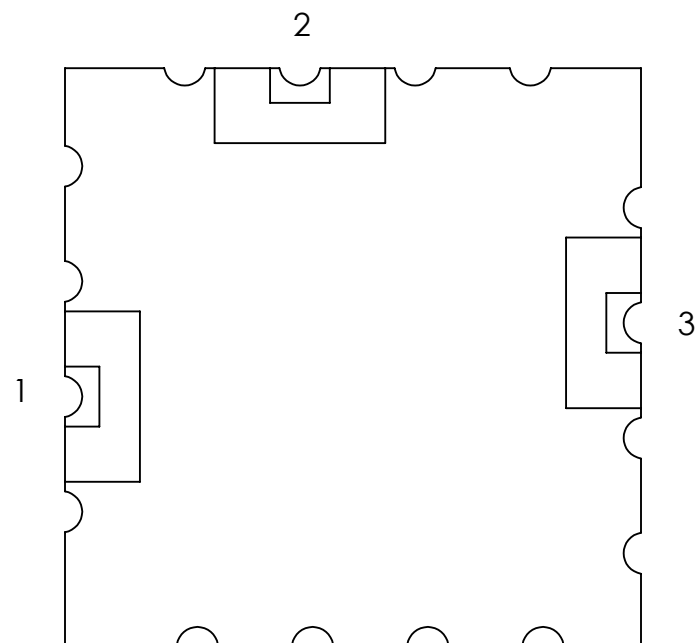
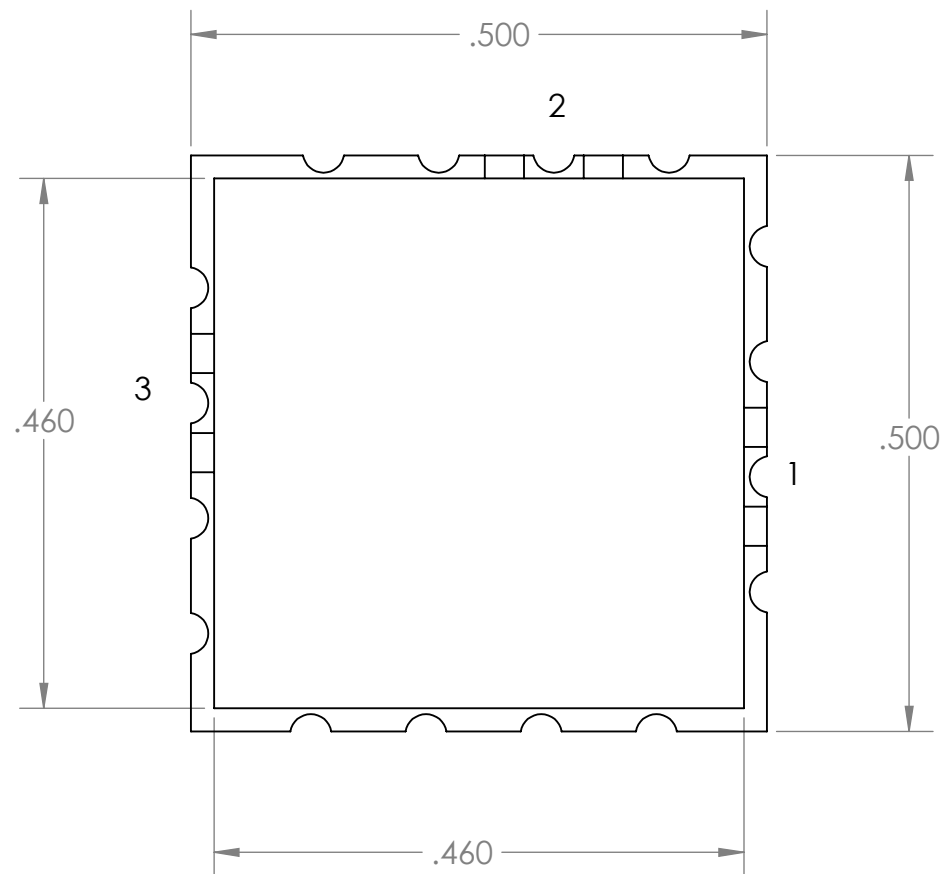




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	900		1100	MHz	1	..	..
Tuning Voltage	1		11	V	1	..	..
Modulation Sensitivity		26		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	2	4	6.5	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-86	-81	dBc/Hz	1	..	..
10 KHz Offset		-111	-106	dBc/Hz	1	..	..
100 KHz Offset		-131	-126	dBc/Hz	1	..	..
1 MHz Offset		-151	-146	dBc/Hz	1	..	..
10 MHz Offset		-167	-162	dBc/Hz	1	..	..
Pushing		0.5		MHz/V	3	..	..
Pulling (12dB RL, any phase)		1		MHz _{p-p}	3	..	..
Modulation Bandwidth		5		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-20	-12	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		27		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUA			6	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.135		inch	5	..	..

Notes

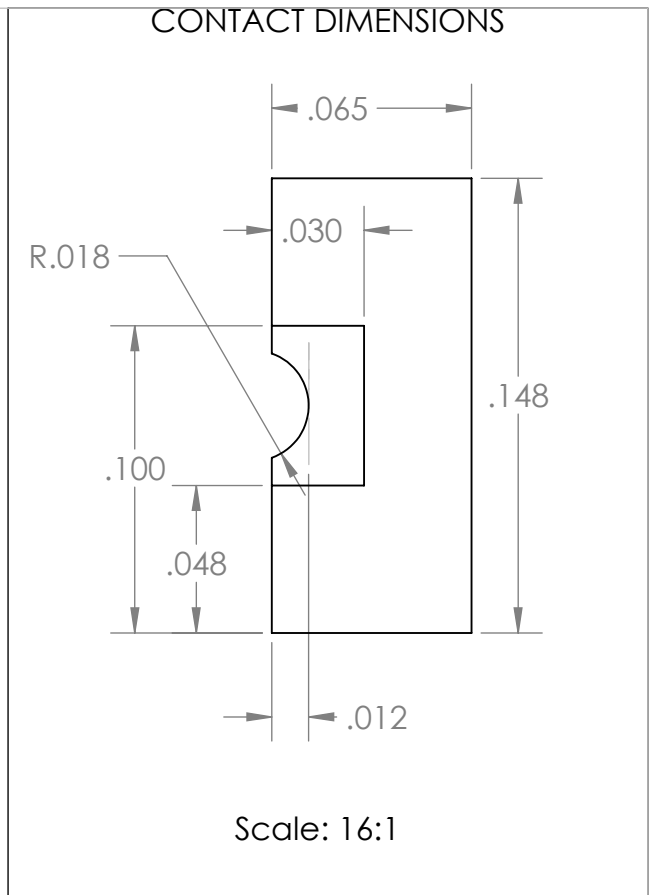
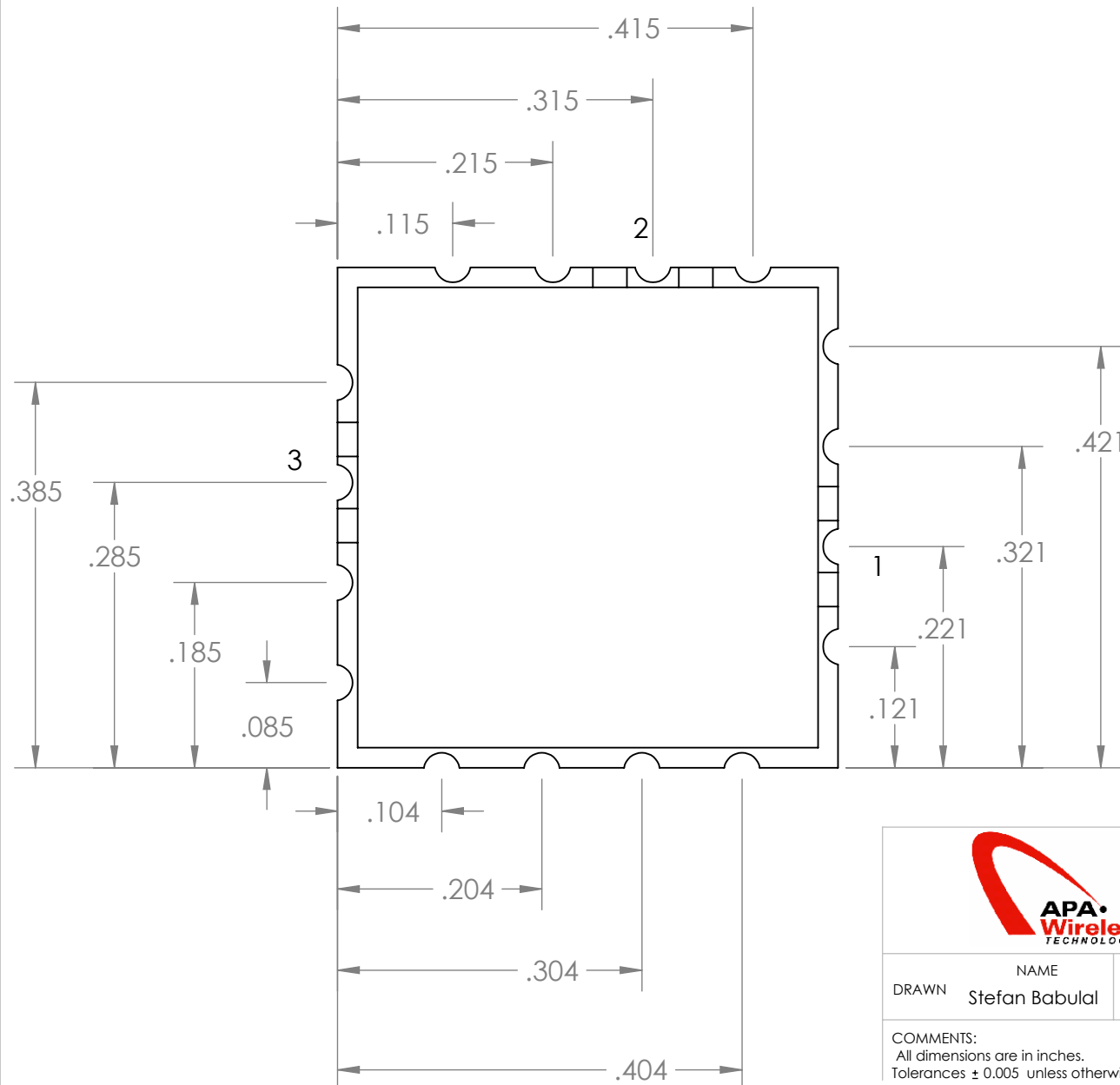
1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS Compliant
7. Soldermasked footprint



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



TITLE: SMUA_135		
DRAWN Stefan Babulal	NAME Stefan Babulal	DATE 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted	SIZE A	DWG. NO. 1
SCALE: 6:1	unit: inch	REV 1
SHEET 1 OF 2		

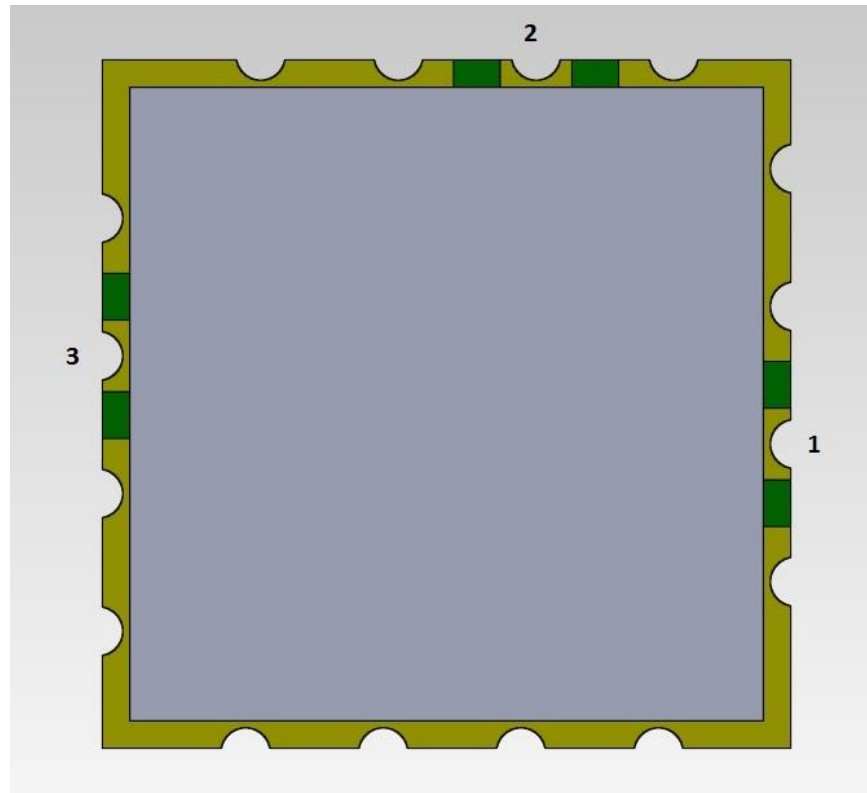


DRAWN NAME
Stefan Babulal

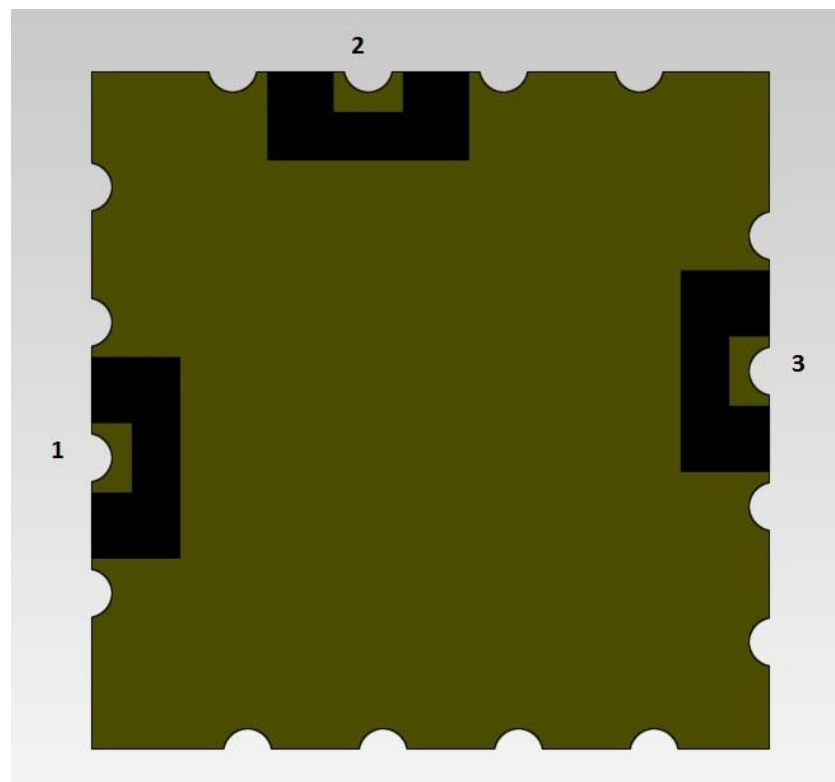
DATE
2/17/2017

COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

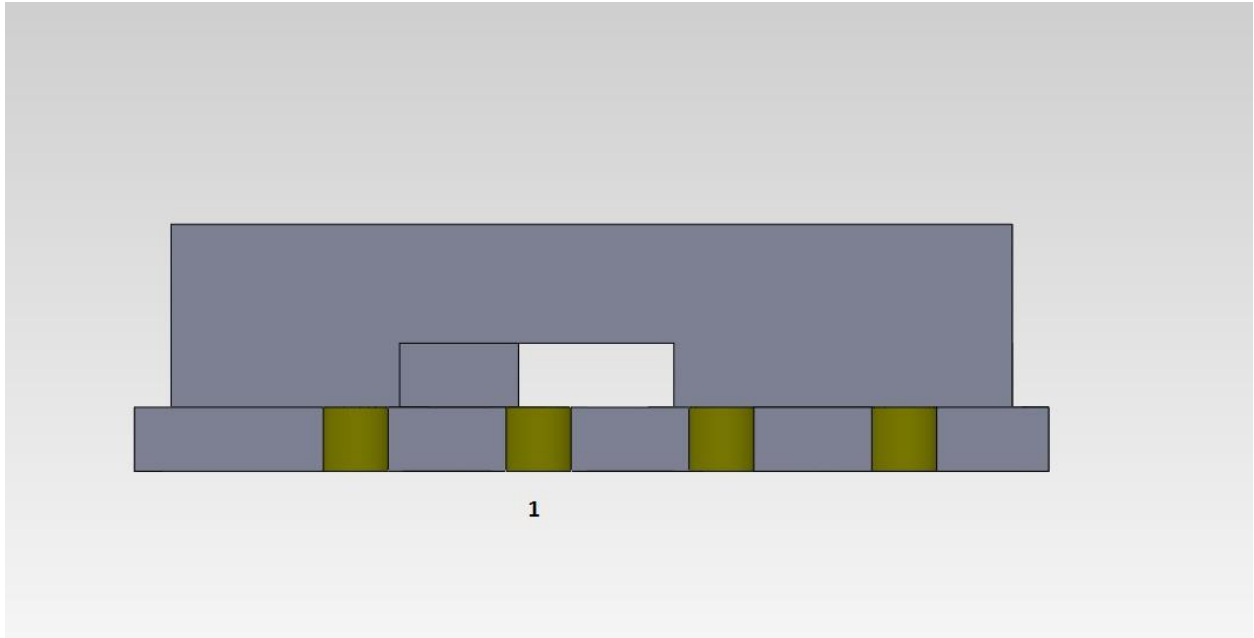
TITLE: SMUA_135			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 2 OF 2	



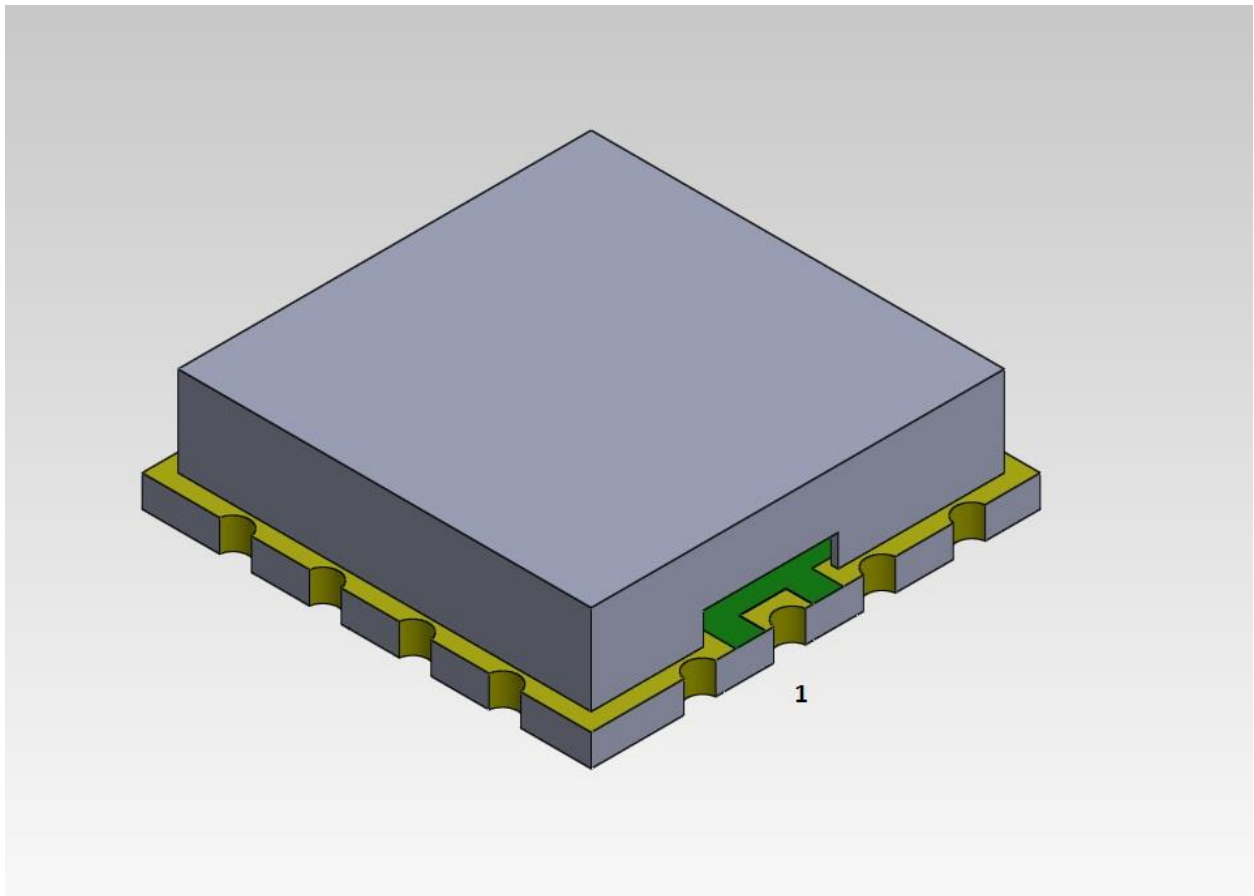
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW