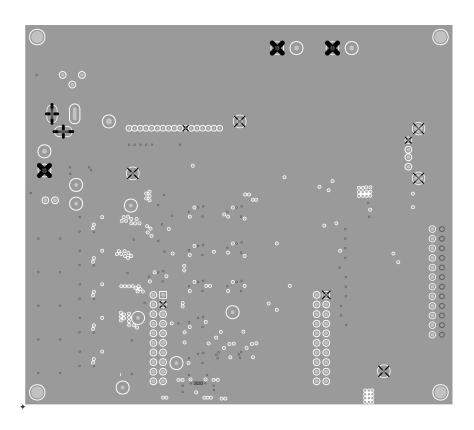




CUSTOMER NAME TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Set		DESCRIPT LAY		- TOP	SIDE			
BOARD NO. TIDA-01451	REV B	DATE 07-2	4-2017	DESIGNED B	Y: SYSTEMS	SH 1	OF 9	





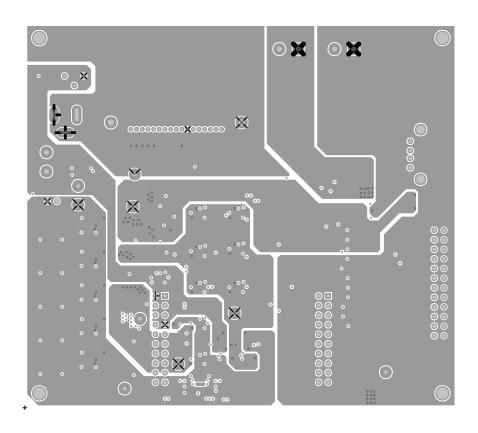




CUSTOMER NAME TEXAS INSTRUMENTS									
BOARD NAME Power Switchin Design for Set		DESCRIPT LAY	TION ER 2 -	GND P	LANE				
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYST	EMS	SH 2	OF	9	





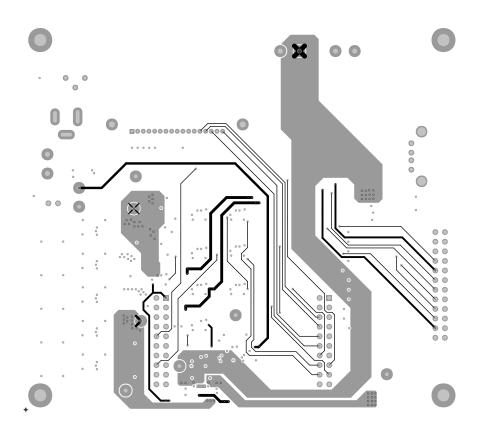




CUSTOMER NAME TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Set		DESCRIPT LAY		- POWER	PLAN	ΙE		
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED QTS	BY: SYSTEMS	SH 3	OF	9





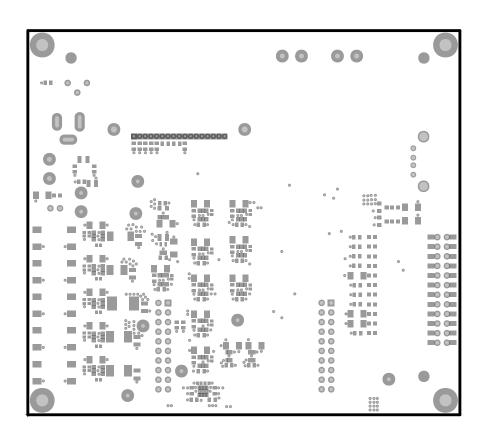




CUSTOMER NAME TEXAS INS	CUSTOMER NAME TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Set		DESCRIPT LAY	TION ER 4 - BOTTO	M SID	E				
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYSTEMS	SH 4	OF 9			





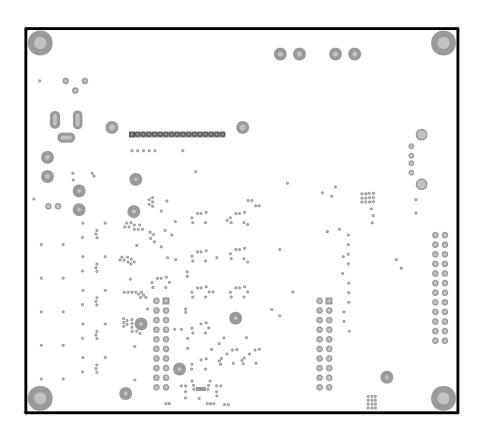




CUSTOMER NAME TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Set	rence ox	DESCRIP'	SOLDERMASK	(ТОР				
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYSTEMS	SH 6	OF	9	





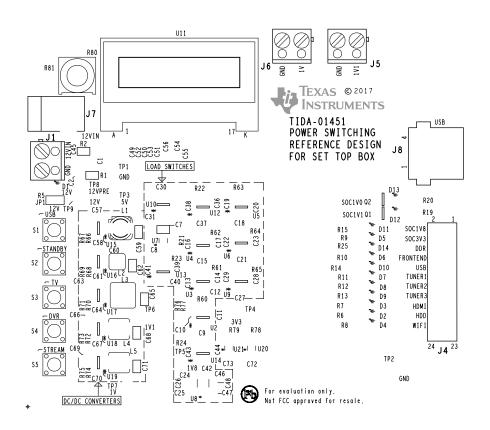




CUSTOMER NAME TEXAS INS	CUSTOMER NAME TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Set		DESCRIPT SOL	TION DERMASK BOT	ГОМ					
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYSTEMS	SH	9	OF	9	





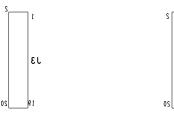




CUSTOMER NAME TEXAS INS	TEXAS INSTRUMENTS									
BOARD NAME Power Switchin Design for Set		DESCRIPT S I L	KSCREEN TOP							
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYSTEMS	SH 5	OF 9				







J2



CUSTOMER NAME TEXAS INS	CUSTOMER NAME TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Set		DESCRIPT S I L	TION .KSCREEN BOTT	ОМ					
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYSTEMS	SH	8	OF	9	



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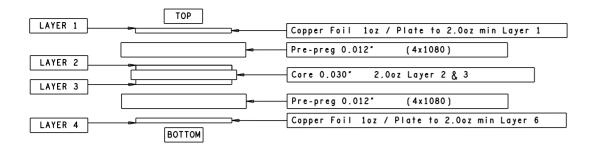
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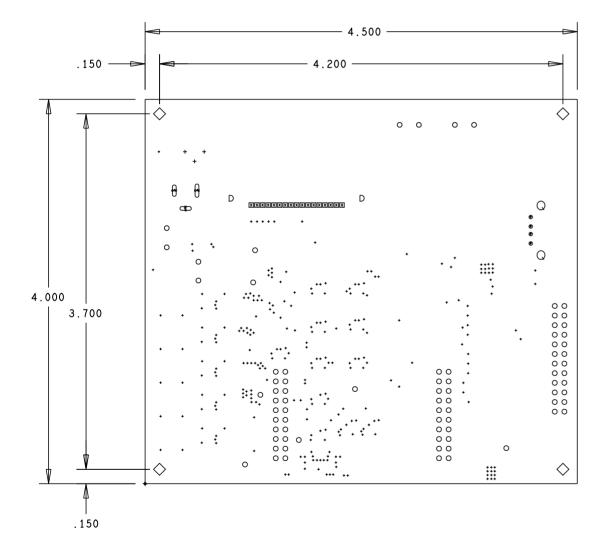
------:'': 2311 :::::: $(\cdot \cdots) = 0$ 3 --- B B $\{.\} =$ -- $x \in \{x, y\}$ - 40 % i i . . 0.00 - ----. -



CUSTOMER NAME TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Set		DESCRIPT SOL	TION DERPASTE TOP					
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYSTEMS	SH	7	OF	9

ART FILM - tida01451_fab





TOP SIDE VIEW

CUSTOMER NAME TEXAS INS	TEXAS INSTRUMENTS								
BOARD NAME Power Switching Reference Design for Set Top Box			DESCRIP	DRILL DRA	WING				
BOARD NO. TIDA-01451	REV B	DATE 07-2	4-2017	DESIGNED BY: QTS SYSTEMS	SH 1	OF :	1		

FAB NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES.
- 2. THE PWB SHALL BE FABRICATED TO IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2. CURRENT REVISIONS.
- 3. BOARD MATERIAL SHALL BE 180 Tg/ 340 Td ISOLA FR-370HR OR EQUIVALENT. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. COLOR: NATURAL.
- 4. BOARD MATERIAL & CONSTRUCTION TO BE U.L.
 APPROVED AND MARKED ON THE FINISHED BOARD
- 5. MINIMUM COPPER WALL THICKNESS OF PLATED-THRU HOLES TO BE .001 INCH. WITH A MINIMUM ANNULAR RING OF .002 INCH.
- 6. OVERALL BOARD THICKNESS TO BE .062 +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
- 7. MAX. WARP & TWIST TO BE .0075 INCHES PER INCH.

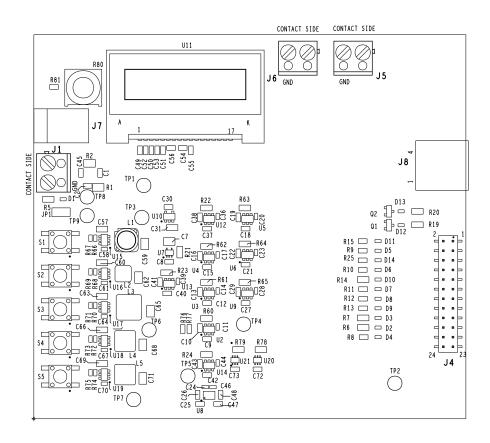
PROCESS NOTES:

- 1. PLATE ALL EXPOSED AREAS WITH ELECTROLESS NICKLE IMMERSION GOLD. NICKEL: 100 MICRO-INCHES MIN. GOLD: 2-8 MICRO-INCHES MAX.
- APPLY LPI SOLDERMASK OVER BARE COPPER(SMOBC) COLOR: GREEN CONFORM TO IPC-SM-840, CLASS H. CURRENT REV.
- 3. APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE, BOTH SIDES.
- 4. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.

	DRILL CH	ART: TOP to BOT	ГОМ	
	ALL UNI	TS ARE IN INCHE	S	
FIGURE	SIZE	TOLERANCE	PLATED	QTY
	0.012	+0.000/-0.012	PLATED	287
X	0.025	+0.003/-0.003	PLATED	1 7
+	0.035	+0.003/-0.003	PLATED	3
•	0.038	+0.003/-0.003	PLATED	4
0	0.040	+0.003/-0.003	PLATED	73
0	0.052	+0.003/-0.003	PLATED	6
D	0.063	+0.003/-0.003	PLATED	2
Q	0.091	+0.003/-0.003	PLATED	2
\Diamond	0.125	+0.003/-0.003	PLATED	4
8	0.118x0.039	+0.003/-0.003	PLATED	1
360	0.118x0.039	+0.003/-0.003	PLATED	1
3	0.138x0.039	+0.003/-0.003	PLATED	1





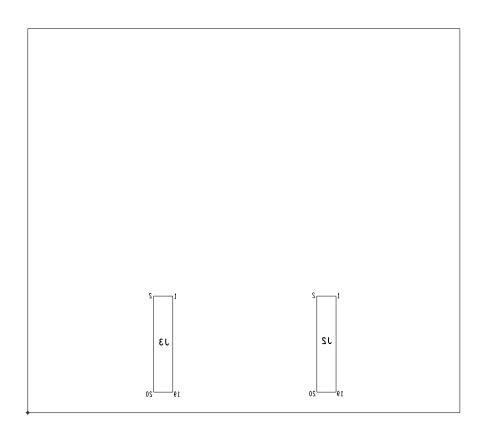




CUSTOMER NAME TEXAS IN:	TEXAS INSTRUMENTS								
BOARD NAME Power Switchin Design for Se			DESCRIPT ASS	TION EMBLY - TOP SI	DE				
BOARD NO. TIDA-01451	REV B	DATE 07-2	4-2017	DESIGNED BY: QTS SYSTEMS	SH 1	OF 2			

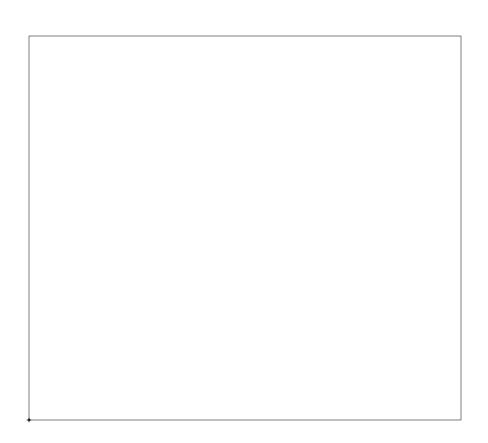








CUSTOMER NAME TEXAS INSTRUMENTS						
BOARD NAME Power Switching Reference Design for Set Top Box			DESCRIPTION ASSEMBLY - BOTTOM SIDE			
BOARD NO. TIDA-01451	REV B	DATE 07-2		DESIGNED BY: QTS SYSTEMS	SH 2	OF 2



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