

- NOTES: UNLESS OTHERWISE SPECIFIED
- 1 HOT AIR SOLDER LEVEL PER PROCESS 1.
 - 2 FINISHED BOARD SHALL MEET UL 94V-0 FLAMMABILITY RATING AND BE MARKED WITH THE REQUIRED UL CODE NUMBER.
 - 3 FINISHED BOARD SHALL MEET THE REQUIREMENTS OF ITEM 4.
 - 4 THICKNESS SELECTED AT FABRICATION TO MEET THE TOTAL BOARD THICKNESS SPECIFIED ON THIS DRAWING.
 - 5 MINIMUM COPPER WALL THICKNESS .001
 - 6 RECOMMEND DRILL AT .013 NO BREAKOUT ALLOWED ON INTERNAL LAYERS.
 - 7 ALL HOLES ARE WITHIN .014 TRUE POSITION OF DATUM "0" WHEN PINNED TO PLANE "A".
 - 8 BOARD IS TO BE ELECTRICALLY TESTED BY VENDOR.
 - 9 SOLDERMASK TO BE APPLIED OVER BARE COPPER TO BOTH SIDES OF BOARD PER ARTWORK SUPPLIED AND PROCESS 2.

- 10 MARK PER PROCESS 3. HEIGHT TO BE CONTROLLED BY ITEM 3. COLOR TO BE CONTRASTING TO THAT OF SUBSTRATE.
11. INTERNAL AND/OR EXTERNAL CORNERS TO BE .06 RADIUS MAXIMUM AT SHOP OPTION.
12. SURFACE LANDS OF THE FINE PITCH DEVICES MUST BE +/- .001 TOLERANCE TO SUPPLIED ARTWORK AT LOCATION
 .0197 PITCH LOCATION: U17
 .025 PITCH LOCATION: U1 U3 U5 U7 U19

REV. NO		9806019		SHT. 1	
REVISION LEVEL CONTROL					
THIS DRAWING	*	A			
DRILL TEMPLATE	*	A			
MARKING (TOP)	*	A			
SOLDER PASTE (TOP)	*	A			
CONTINUITY TEST	*	A			
LAYER 1 (TOP SIDE)	*	A			
LAYER 2 (GND LAYER)	*	A			
LAYER 3 (VCC LAYER)	*	A			
LAYER 4 (BOTTOM SIDE)	*	A			
SOLDERMASK (TOP SIDE)	*	A			
SOLDERMASK (BOTTOM SIDE)	*	A			

SYM	FINISHED HOLE DIAMETER		REMARKS
	UNSUPPORTED	PLATED THRU ± .003	
6	+	YES	270
7	A	.035	56
	B	.038	32
	C	.039	32
	D	.043	6
	E	.051	2
	F	.073	6
	G	.090	16
	H	.120	4

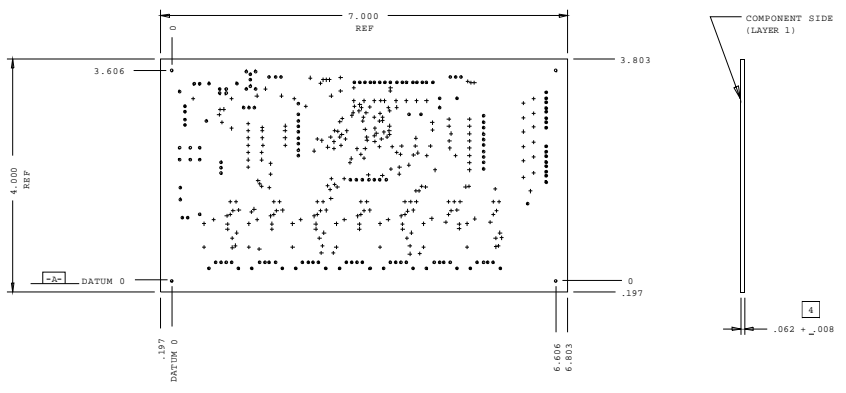
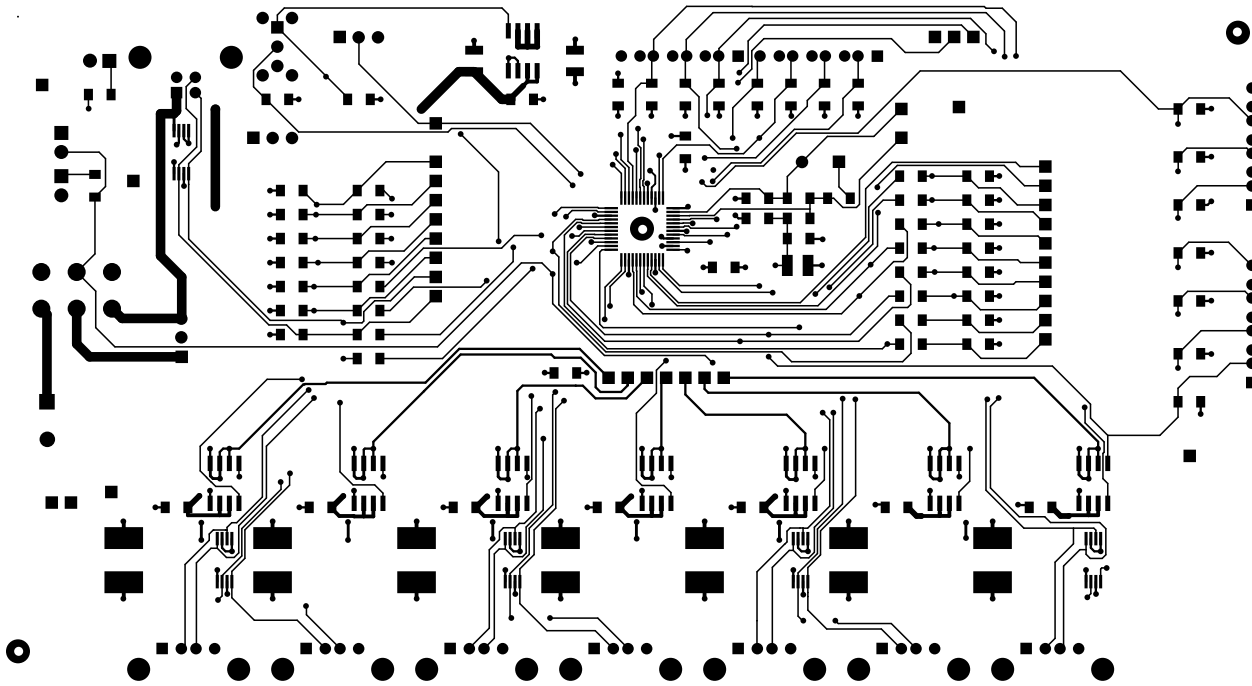


TABLE OF LAYERS			
NO	DESCRIPTION	REMARKS	COPPER WT
L1	TOP LAYER	PADS/ROUTING	1/2 OZ/FT2
L2	PLANE	GROUND	1 OZ/FT2
L3	PLANE	VCC/SPLIT	1 OZ/FT2
L4	BOTTOM LAYER	PADS/ROUTING	1/2 OZ/FT2


REF	4	IPC-RB-276	PERFORMANCE SPEC. FOR RIGID MULTILAYER PWB	3
REF	3	MP-9806019	MASTER PATTERN (ARTWORK)	10
AR	2	IPC-L-109	GLASS COLTH, PREIMPREGNATED RESIN, (B STAGE)	
AR	1	IPC-L-130	THIN LAMINATE, COPPER CLAD (UL APVD)	2

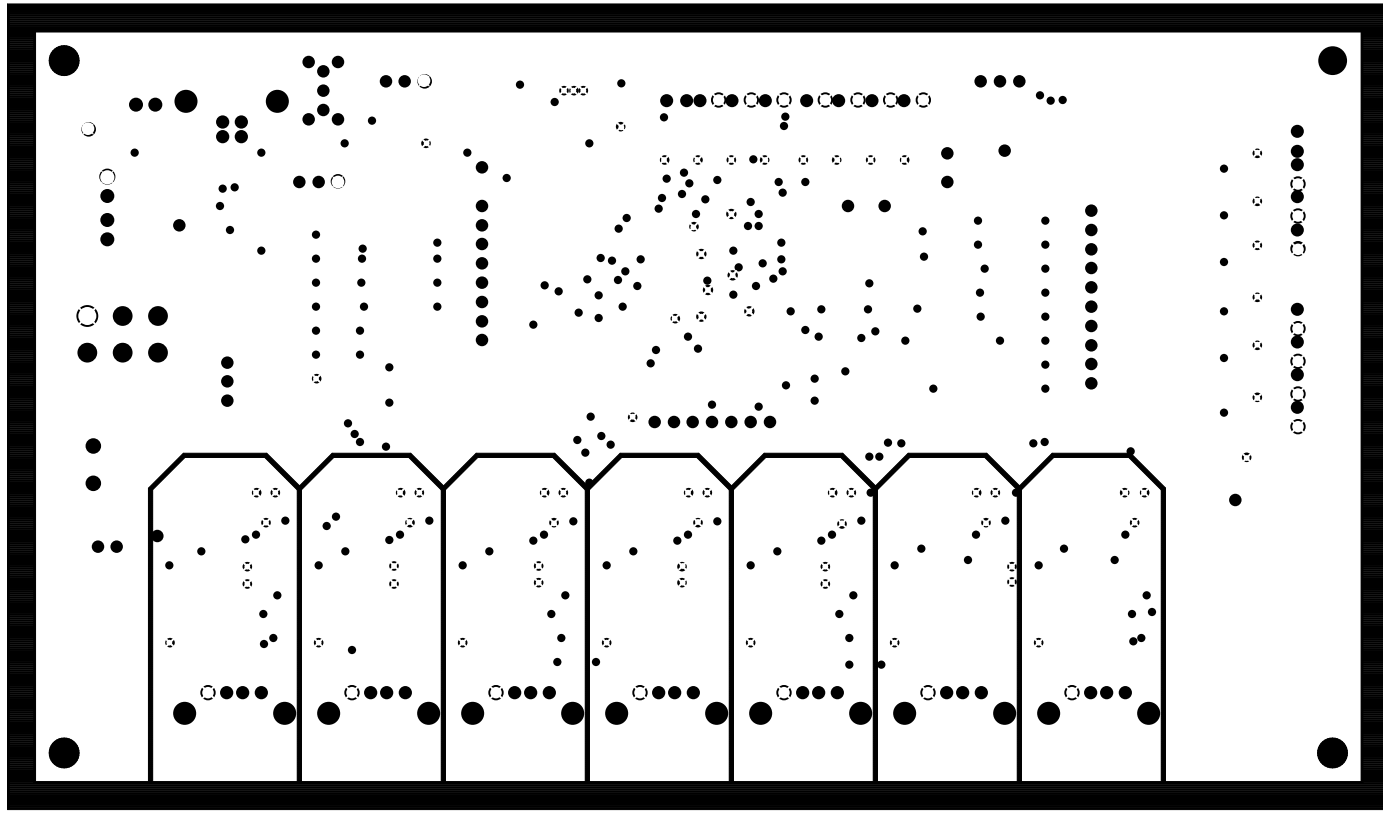
SEQ NO	IDENT	IDENT	CLASSIFICATION	NOTES	REV STATUS OF SHEETS	REV A	REV 1
3	MARK	MIL-STD 883(LATEST)	METHOD 2015.8	10			
2	SDRMSK	IPC-SM-840	L.P.I. TYPE B	9			
1	SLDRCT	IPC-D-949(LATEST), CLASS 2	THRNS. .0001 MIN. .002 MAX.	1			

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	DESCRIPTION	APPROVAL	DATE	NOTES
			UNLESS OTHERWISE SPECIFIED	DRAWN	J. RAMOS	09/18/96
			UNFINISHED HOLE DRILLING	CHECKED		
			DIMENSIONS - ANGLES 7:1	RELEASED		
			2 IN DECIMALS 1:10	RELEASED		
			REMOVE ALL BURRS AND SHARP EDGES	RELEASED		
			UNFINISHED HOLE DRILLING	RELEASED		
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COMPONENT SIDE LAYER 1

	SOLELECTRON TEXAS
CUSTOMER: TIMSP	
BOARD NAME: TUSBK7HUB	
BOARD PART NO: 9806019	
BOARD REVISION: A	DATE: 02/12/97

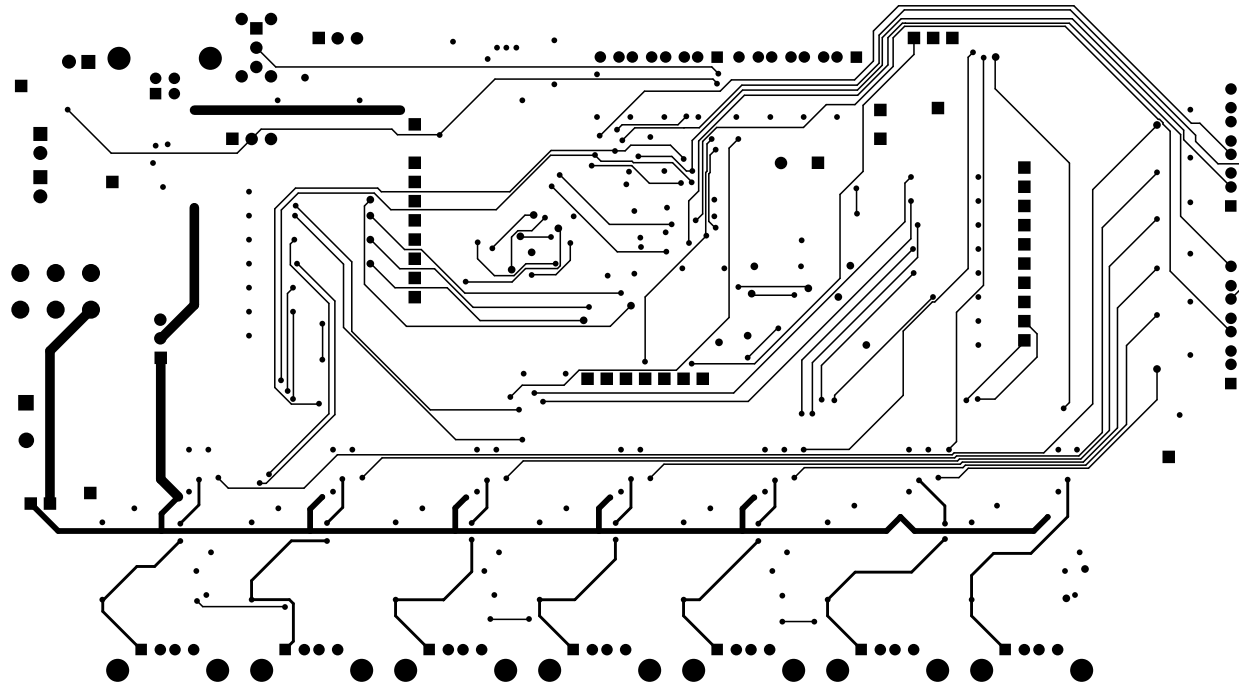


VCC LAYER LAYER 3



SOLECTRON
TEXAS

CUSTOMER: TIMSP
BOARD NAME: TUSBK7HUB
BOARD PART NO: 9806019
BOARD REVISION: A DATE: 02/12/97

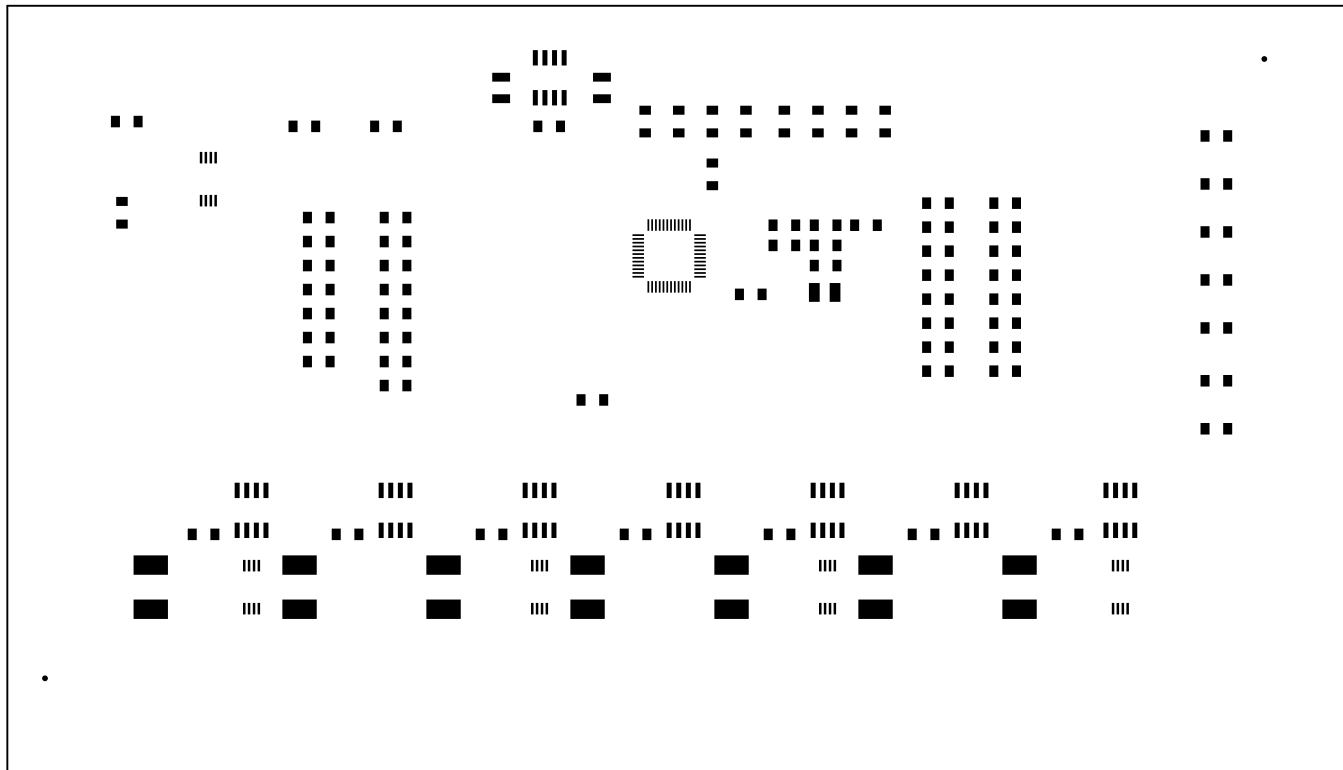


BOTTOM SIDE LAYER 4



SOLECTRON
TEXAS

CUSTOMER: TIMSP
BOARD NAME: TUSBK7HUB
BOARD PART NO: 9806019
BOARD REVISION: A DATE: 02/12/97

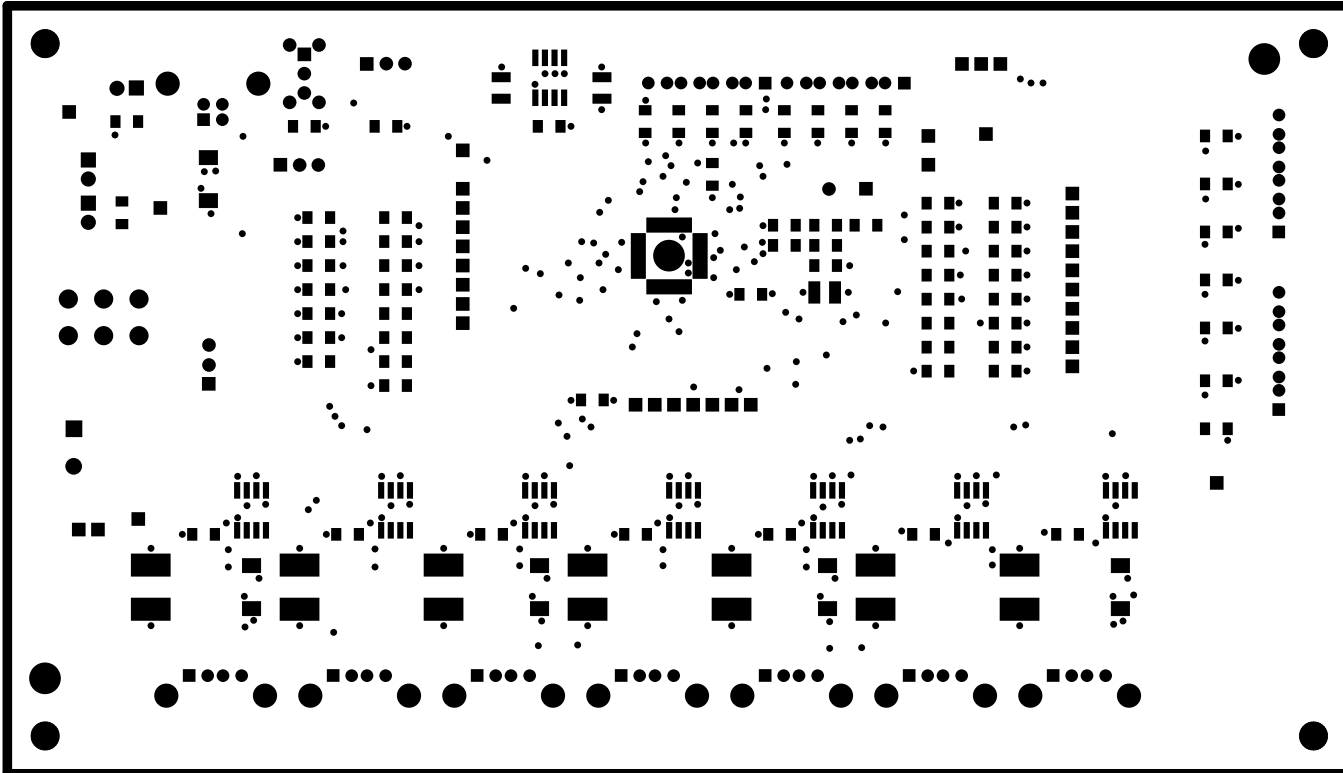


TOP SIDE PASTEMASK



SOLECTRON
TEXAS

CUSTOMER: TIMSP
BOARD NAME: TUSBK7HUB
BOARD PART NO: 9806019
BOARD REVISION: A DATE: 02/12/97

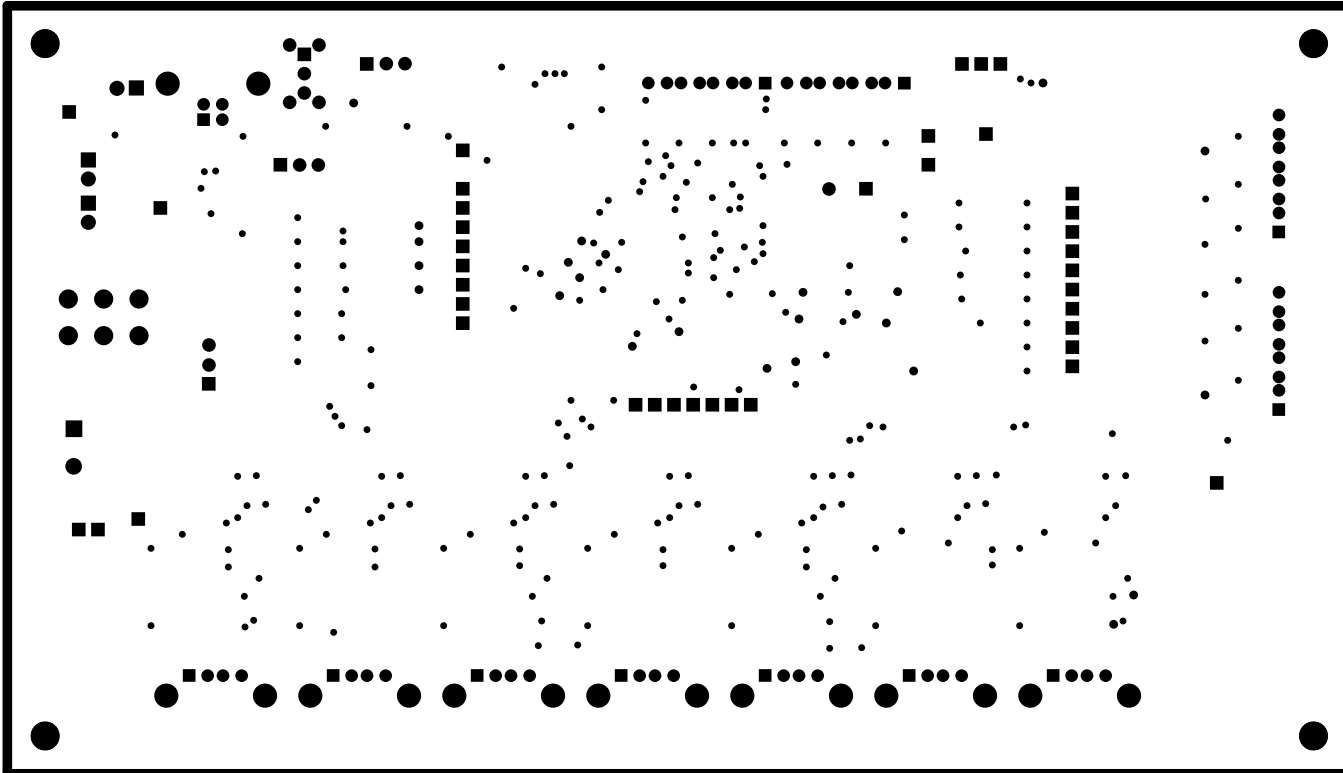


TOP SIDE SOLDERMASK



SOLECTRON
TEXAS

CUSTOMER: TIMSP
BOARD NAME: TUSBK7HUB
BOARD PART NO: 9806019
BOARD REVISION: A DATE: 02/12/97



BOTTOM SIDE SOLDERMASK



SOLETRON
TEXAS

CUSTOMER: TIMSP
BOARD NAME: TUSBK7HUB
BOARD PART NO: 9806019
BOARD REVISION: A DATE: 02/12/97