

NOTES FOR PCB FABRICATION: (UNLESS OTHERWISE SPECIFIED)

1) FABRICATE PCB USING CUSTOMER SUPPLIED DATA FILES.
IN ACCORDANCE WITH IPC-6012A, IPC-6013A PER IPC-6011
MUST BE ABLE TO WITHSTAND ROHS ASSEMBLY TEMPERATURES.

2) WORKMANSHIP STANDARDS :
BUILD/INSPECTION: IPC-A-610
REWORK: IPC-7711/7721

3) MATERIAL:

A) MATERIAL MUST MEET UL FLAMMABILITY RATING OF 94V-0

HIGH TEMP FR4

B) COPPER FOIL TO BE IN ACCORDANCE WITH IPC-MF-150.

FINISHED COPPER WEIGHT : OUTER LAYERS : 2 Oz

BOARD THICKNESS : 0.062" +/- 0.005"

NUMBER OF LAYERS : 2

LAYER STACKUP: FOLLOW GERBER FILENAME : L# >>>>>

4) PLATING:

A) COPPER PLATING

B) ALL PTH MUST HAVE MINIMUM OF 0.001" PLATED COPPER INSIDE HOLE.

5) FINISH:

SMOBC, ENIG, RgHS COMPLIANT COATING

6) APPLY LPI SOLDER MASK PER IPC-SM-840 OVER BARE COPPER.

SIDE : BOTH SIDE

COLOR : GREEN

7) APPLY LEAD FREE, PERMANENT, ORGANIC, NON-CONDUCTIVE SILKSCREEN
PER IPC-SPECS OVER MASK.

THERE SHALL BE NO SILKSCREEN ON ANY SOLDERABLE COMPONENT PAD.

SIDE : BOTH SIDE

COLOR : WHITE

8) MARKING:

A) MANUFACTURER'S UL LOGO, 94V-0 SHALL BE ADDED IN TOP SILK.

B) DATE CODE SHALL BE ADDED ON TOP SILK SCREEN.

9) TEST REQUIREMENTS:

IN CASE IPC-D-356 NETLIST SUPPLIED
BOARD MUST BE 100% NETLIST TESTED FOR OPENS AND SHORTS.
OTHERWISE TEST USING SUPPLIED GERBER FILES.

10) REGISTRATION & TOLERANCES:

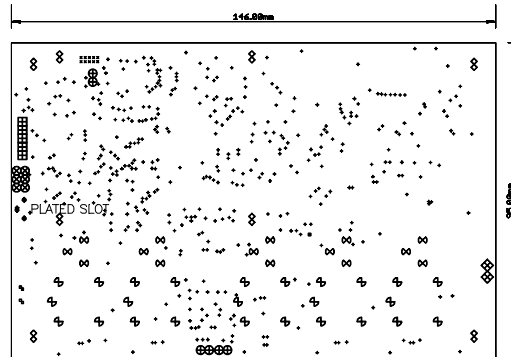
A) WARP / TWIST OF BOARD SHALL NOT EXCEED +/- 0.010" PER INCH.

B) BOARD SIZE SHALL NOT EXCEED +/- 0.005"

C) SMD's PAD MUST BE FLAT TO A MAXIMUM OF 0.003" ABOVE BOARD SURFACE.

D) DRILL REGISTRATION SHALL BE WITHIN 0.002" OF TRUE POSITION.

E) REMOVE ALL BURRS AND BREAK SHARP EDGES 0.015" MAXIMUM.



DRILL TABLE_Array_4820-0759-56						
NO.	SYMBOL	HOLE DIA. (inch)	TOL +/-	QUANTITY	PLATED	COMMENTS
1	+	0.012	0.003	954	Yes	
2	*	0.0238	0.003	20	Yes	
3	■	0.028	0.003	2	Yes	
4	◆	0.0315	0.003	18	Yes	
5	◐	0.0364	0.003	4	Yes	
6	⊕	0.0394	0.003	12	Yes	
7	⊗	0.040	0.003	12	Yes	
8	⊞	0.0433	0.003	10	Yes	
9	⊠	0.0512	0.003	4	Yes	
10	⊡	0.052	0.003	30	Yes	
11	⊢	0.0551	0.003	30	Yes	
12	⊣	0.106	0.003	16	Yes	
13	⊤	0.125	0.002	2	No	
14	⊥	0.1563	0.002	2	No	

NOTES:

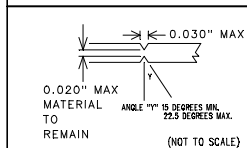
1) ALL HOLE SIZES ARE SHOWN IN THE DRILL TABLE ARE FINISHED DIAMETER.

2) FOR LOCATION OF PLATED SLOT, SEE ***_FAB-PLATED-SLOT.GBX >>> IF PROVIDED

3) FOR LOCATION OF NON-PLATED SLOT, SEE ***_FAB-NP-SLOT.GBX >>> IF PROVIDED

4) FINISH ALL UNDIMENSIONED OUTSIDE CORNERS TO 0.060 RADIUS.

STANDARD V-SCORE BOTH SIDE.



THICK LINES INDICATES
CENTER OF V-SCORE

ALL DIMENSIONS ARE IN INCH.
DO NOT SCALE DRAWING.

COMPONENT SIDE VIEW

ALL LAYERS ARE VIEWED FROM TOP

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TOLERANCES
(UNLESS OTHERWISE NOTED)
FRACTIONS
+/- 1/64
2 PLACE
+/- 0.01
3 PLACE
+/- 0.001

CUSTOMER : Surya Electronics, Inc.

PART NUMBER : 4820-0759-56

REV : 2.0

DATE: SEPTEMBER 12, 2018

http://www.suryaelectronics.com/