

REV		DESCRIPTION OF CHANGE		DWN	CHK	APVD	APVD	ECN
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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, RoHS 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 : TOP SIDE ONLY
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.

COMPONENT SIDE VIEW

ALL LAYERS ARE VIEWED FROM TOP

DRILL TABLE_1UP_4820-0759-58.gmp						
NO.	SYMBOL	HOLE DIA. (Inch)	TOL +/-	QUANTITY	PLATED	COMMENTS
1	+	0.012	0.003	32	Yes	
2	*	0.014	0.003	20	Yes	
3	■	0.020	0.003	77	Yes	
4	◆	0.024	0.003	3	Yes	
5	⌘	0.026	0.003	4	Yes	
6	⊕	0.039	0.002	2	No	
7	⊗	0.040	0.003	6	Yes	
8	⊞	0.126	0.002	4	No	
9	⊠	0.125	0.002	***	No	
10	⌚	0.1563	0.002	***	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.

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	FRACTIONS +/-1/64	ANGLES +/-1127	PART NUMBER : 4820-0759-58	REV : 1.1
	2 PLACE [+/- .25]	2 PLACE +/- .01	DATE: DECEMBER 12, 2020	
	3 PLACE [+/- .13]	3 PLACE +/- .005	http://www.suryaelectronics.com/	