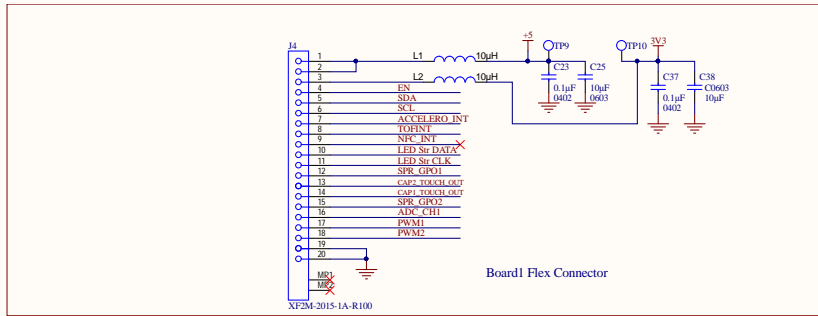
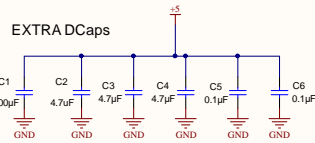
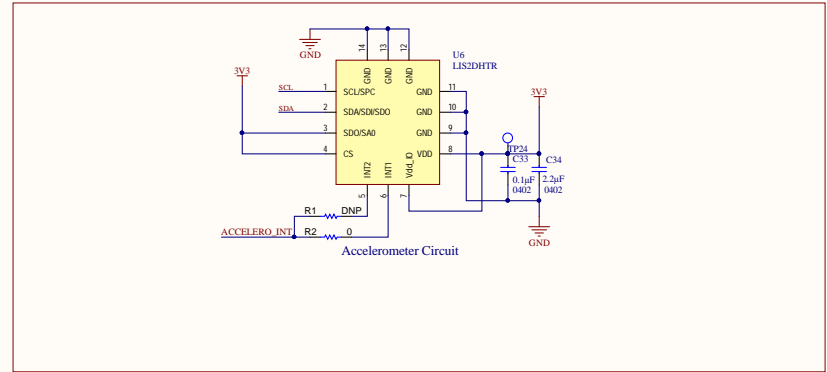
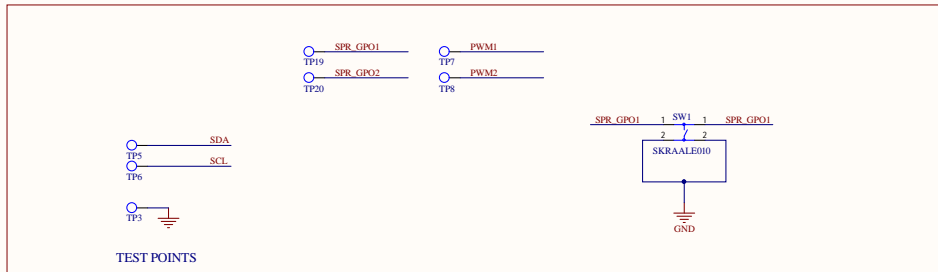


Piezo Actuator Driver Circuit

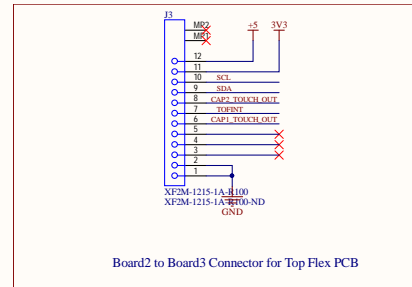
Layout Notes:
Extra caps must be placed close to Piezo Actuator.



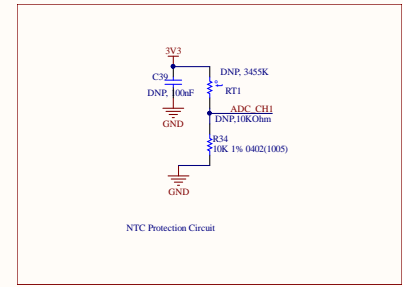
Board1 Flex Connector



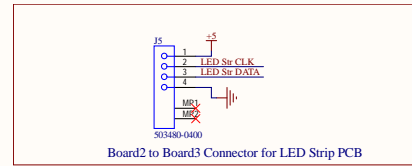
Accelerometer Circuit



Board2 to Board3 Connector for Top Flex PCB



NTC Protection Circuit



Board2 to Board3 Connector for LED Strip PCB

AIRZAI PROPRIETARY & CONFIDENTIAL

Title	Number	Revision
SCHEMATIC, AIRZAI LID BOARD	SCH-103017-001	C
Size		
Date:	2019-09-12	1 Sheet 1 of 1
Engineer	PS	PCB Designer: TRD Check: KA1217018 Release: 127878

FABRICATION NOTES

UNLESS OTHERWISE SPECIFIED IN THE ECOBEE PURCHASE ORDER, THE FOLLOWING SPECIFICATIONS SHALL APPLY.
ANY DEVIATION SHALL REQUIRE WRITTEN APPROVAL FROM AN ECOBEE REPRESENTATIVE.

- 1. BOARD DATA VIEWED FROM PRIMARY SIDE.
- 2. LATEST REVISIONS SHALL APPLY TO ALL SPECIFICATIONS.
- 3. FABRICATE PCB IN ACCORDANCE WITH IPC-6013C TYPE 2 USING SUPPLIED GERBER OR ODB++ CAD DATA.

Performance Class - Class 2
Installation Usage - Use B

- 4. FINISH: IMMERSION GOLD

ALL EXPOSED CONDUCTIVE PATTERN AREAS NOT COVERED WITH COVERLAY MATERIAL OR OTHER PLATING SHALL BE IMMERSION GOLD (0.000030-0.000090 mm) OVER ELECTROLESS NICKEL (0.001-0.006 mm).

- 5. LEGEND SHALL BE WHITE, PERMANENT, ORGANIC, NON-CONDUCTIVE UV OR EPOXY TYPE INK APPLIED TO THE TOP SIDE OF THE BOARD. THERE SHALL BE NO LEGEND ON ANY SOLDERABLE COMPONENT LAND.

- 6. ALL ASSEMBLY MATERIALS TO BE RoHS COMPLIANT.

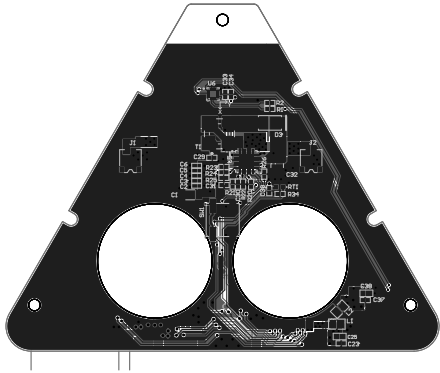
- 7. THIS IS A NON-WASHABLE ASSEMBLY!

- 8. ANY LABELS OR COMPOSITION OF, APPLIED TO THE BOARD NEED TO BE APPROVED BY AIRZAI

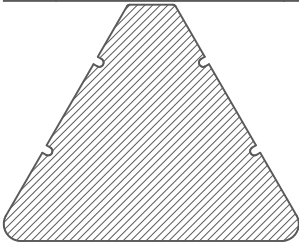
- 14. MINIMUM TRACE WIDTHS:
EXTERNAL: 0.178 mm INTERNAL: N/A

- 15. MINIMUM SPACE BETWEEN FEATURES:
EXTERNAL: 0.148 mm INTERNAL: N/A

- 16. Overall Board Thickness: 31 mils



Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Top	Copper	2.36mil		
4	Dielectric1	FR-4	5.20mil	4.8	
5	GND	Copper	2.36mil		
6	Dielectric 2		10.87mil	4.2	
7	PdR	Copper	2.36mil		
8	Dielectric3	FR-4	5.20mil	4.8	
9	Bottom	Copper	2.36mil		
10	Bottom Solder	Solder Resist	0.40mil	3.5	
11	Bottom Overlay				



AIRZAI PROPRIETARY & CONFIDENTIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM TOLERANCES DECIMALS ANGULAR .XX +/- .127MM +/- .XXX +/- .080MM DO NOT SCALE DRAWING	ENGINEER: FD	DATE: 25/07/19	AIRZAI	
	PCB DESIGNER: DFM	DATE: 25/07/19		
	CHECK: FD	DATE: 25/07/19	TITLE: PWA, LID BOARD	
	REL: FD	DATE: 25/07/19		
	SIZE: B	SCALE: 1:1	DWG NO: PWA-103017-001	REV: C

Boards