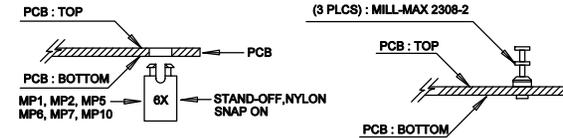


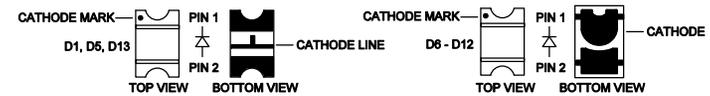
REVISION HISTORY				
ECO	REV	DESCRIPTION	APPR	DATE
-	01	PRODUCTION	WL	06-11-19

NOTES: UNLESS OTHERWISE SPECIFIED

1. WORKMANSHIP SHALL BE IN ACCORDANCE WITH IPC-A-810, CLASS 2.
2. ASSEMBLY REFLOW PROFILE SHALL BE IN ACCORDANCE WITH J-STD-020 WITH MAXIMUM SOLDER TEMPERATURE OF 250 DEGREES CELSIUS.
3. PARTS TO OMIT WILL BE SPECIFIED ON THE BILL OF MATERIALS. LOCATIONS OF OMITTED PARTS SHALL BE FREE OF SOLDER. MASK THE SOLDER STENCIL WHERE SMT PARTS ARE OMITTED.
4. DEPANELIZE BOARDS AFTER ASSEMBLY AND ROUTE-OUT THE BREAKOUT TABS ON FOUR SIDES OF THE BOARD EDGE.
5. APPLY ASSEMBLY STAMP OR QA STAMP TO BOTTOM OF BOARD (UNSHOWY AREA).
6. INSTALL TURRETS AND 6 STANDOFFS AT LOCATIONS SHOWN BELOW:



7. INSTALL 10 LED'S AS SHOWN BLEOW.



NOTE: ASSEMBLY STEPS 8-10 ARE POST ASSEMBLY. "WATER WASH ONLY"

8. CUT KAPTON TAPE TO LENGTH 0.570" in. x 0.570" in. AND PLACE AS SHOWN ON TOP OF BOARD. NOTE: DO NOT COVER HOLE (N) WITH TAPE.

9. CONNECT NTC ASSEMBLY 1 TO JSC CONNECTOR AS SHOWN IN FIG1. (NOT TO SCALE) NOTE: NTC ASSY1 RESISTOR REQUIRES THERMAL EPOXY (DOW CORNING 3-6752) SEE FIG 2. AND STEPS LISTED BELOW FOR PROPER PROCEDURE.

STEP 1: ATTACH LTX1 TO BOARD, USE SILK SCREEN FOR LOCATION AND ENSURE LEADS OVERLAP PADS. LAY BOARD WITH LTX1 DOWN, PUSH NTC1 AGAINST BOTTOM OF LTX1 THROUGH HOLE (N). DON'T DISLODGE LTX1, VERIFY NTC1 IS IN CONTACT WITH THE FERRITE.

STEP 2: FILL HOLE (N) WITH THERMAL EPOXY.

STEP 3: CURE THERMAL EPOXY FOR 10 MINUTES, AT 125 DEG. C, BEFORE TURNING PCB OVER.

10. SOLDER LEADS OF LTX1, (WURTH, 780308101104) AS SHOWN. NOTE: LEADS OF LTX1 COIL NEED TO BE TWISTED PRIOR TO ASSEMBLY. TAKE BOTTOM TERMINAL WIRE AND PLACE OVER TOP TERMINAL WIRE. CONTINUE TO TWIST TO EDGE OF HEAT SHRINK AT THE END OF THE TERMINAL WIRES.

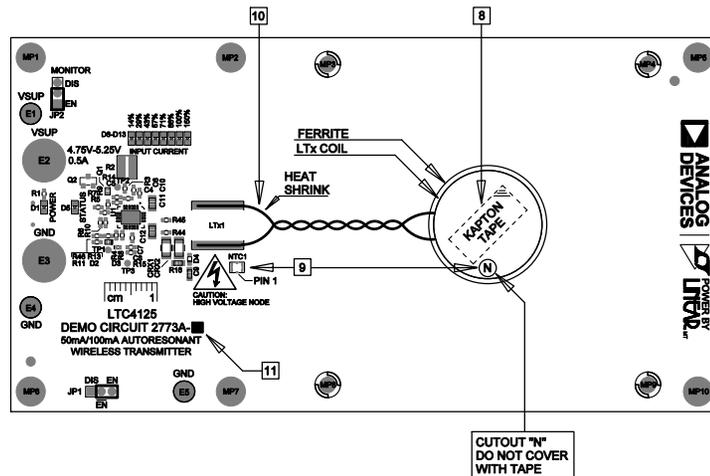


FIG 1.

JSC CONNECTOR PAD FOOTPRINT / J2, PART JSC CONNECTOR "TOP VIEW" MOUNT AS SHOWN OUTER TERMINAL.

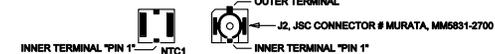
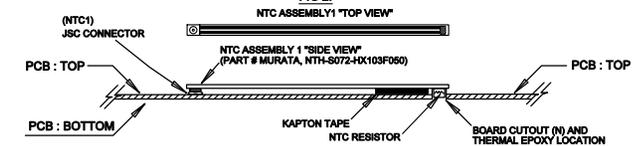


FIG 2.



MANUFACTURERS P/N AND INSTRUCTIONS FOR USE AND HANDLING

1. USE BERTECH PPTDE-3/4, 39yd, ROLL AVAILABLE FROM KAPTON TAPE.COM
2. USE 12mm3 (SEE NOTE 9) OF DOW CORNING 3-6752 THERMAL EPOXY DISPENSED FROM A 30cc TUBE, 30cc TUBE ORDERABLE FROM ELLSWORTH ADHESIVES AS 3-6752 TC ADHESIVE 76G.
 - A. CURE THERMAL EPOXY BY PUTTING 125°C OVEN FOR 3 MINUTES.
 - B. THERMAL EPOXY MUST BE STORED AT BELOW 5°C BEFORE AND AFTER EACH USE.
 - C. ALWAYS USE PURPOSE MADE DISPENSING TOOL (ITEM 1) AND TIP ((i)).
 - i) ELLSWORTH ADHESIVES P/N FISNAR-JD927
 - ii) ELLSWORTH ADHESIVES P/N 8001086, 12.7mm 16 GUAGE NEEDLE TIP

11. THERE ARE 2 ASSEMBLY VERSIONS FOR THIS DESIGN: -A, -B. PLEASE SEE BILL OF MATERIALS AND TABLE BELOW TO MARK EACH VERSION CORRECTLY BY BLACK PERMANENT MARKER AND CIRCLE THE CORRESPONDING CURRENT PER VERSION TABLE.

*** VERSION TABLE**

SKU #	CHARGE CURRENT	C5	R2	R3	R8	R13	R14	R15	R44	R45	R46	Q1	Q2
-A	50mA	0.01uF	0.022 ohms	348	13.3k	0	100k	22.1k	DNP	0	DNP	DNP	ADR510ARTZ
-B	100mA	0.68uF	0.047 ohms	1.33k	0	DNP	37.4k	20k	0	DNP	0	PMBT3904M,316	DNP

12. APPLY DEMO S/N AT AREA ON BOTTOM SIDE AS SHOWN ON SHEET 2.

APPROVALS		ANALOG DEVICES		POWER BY LITEX	
PCB DES.	NC	1630 MCCARTHY BLVD MILPITAS, CA 95035 PH: (408) 552-1900 WWW.ANALOG.COM			
APP ENG.	WL	TITLE: TOP ASSEMBLY DRAWING: 50mA/100mA AUTORESONANT WIRELESS TRANSMITTER			
		SIZE	IC NO.	LTC4125	REV.
		N/A		DEMO CIRCUIT 2773A-A/B	01
SCALE = NONE		SHT 1 of 2			