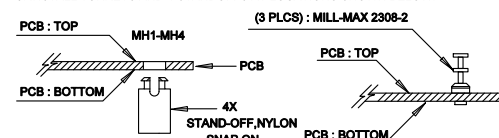


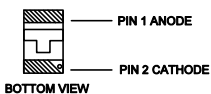
REVISION HISTORY			
ECO	REV	DESCRIPTION	DATE
-	2	PRODUCTION	GB

NOTES: UNLESS OTHERWISE SPECIFIED

1. WORKMANSHIP SHALL BE IN ACCORDANCE WITH IPC-A-610, CLASS 2.
2. ASSEMBLY REFLOW PROFILE SHALL BE IN ACCORDANCE WITH J-STD-020 WITH MAXIMUM SOLDER TEMPERATURE OF 260 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 4 STANDOFFS AT LOCATIONS SHOWN BELOW:

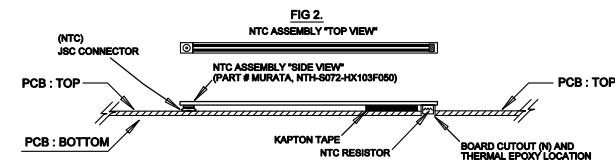
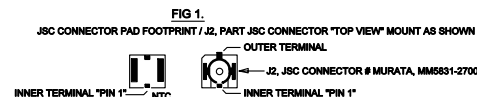


7. INSTALL 10 LED's AS SHOWN:



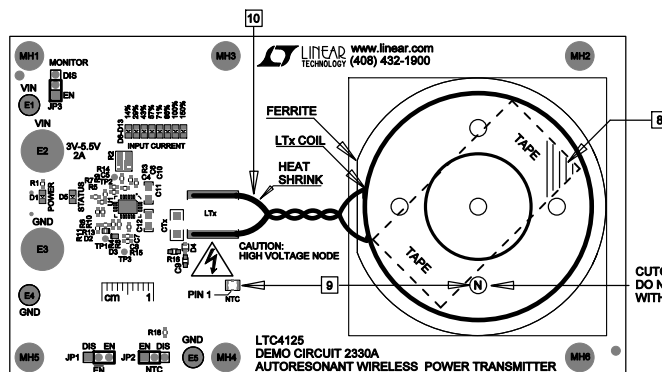
NOTE: ASSEMBLY STEPS 8-10 ARE POST ASSEMBLY. "WATER WASH ONLY"

8. CUT KAPTON TAPE TO LENGTH 0.75"IN. x 1.50"IN. AND PLACE AS SHOWN ON TOP OF BOARD. NOTE: DO NOT COVER HOLE (N) WITH TAPE.
9. CONNECT NTC ASSEMBLY TO JSC CONNECTOR AS SHOWN IN FIG1. (NOT TO SCALE) NOTE: NTC RESISTOR REQUIRES THERMAL EPOXY (DOW CORNING 3-6752) SEE FIG 2. AND STEPS LISTED BELOW FOR PROPER PROCEDURE.
STEP 1: ATTACH LTx TO BOARD, USE SILK SCREEN FOR LOCATION AND ENSURE LEADS OVERLAP PADS. LAY BOARD WITH LTx DOWN, PUSH NTC AGAINST BOTTOM OF LTx THROUGH HOLE (N). DON'T DISLODGE LTx, VERIFY NTC 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 LTx (WURTH, 780308100110) AS SHOWN. NOTE: LEADS OF LTx 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.



MANUFACTURERS P/N AND INSTRUCTIONS FOR USE AND HANDLING

1. USE BERTECH PPTDE-3/4, 38yd, 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 75G.
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 I) AND TIP (I1).
I) ELLSWORTH ADHESIVES P/N FISNAR JD627
II) ELLSWORTH ADHESIVES P/N 8001086, 12.7mm 16 GUAGE NEEDLE TIP



APPROVALS		LINEAR TECHNOLOGY	
PCB DES.	NC	TITLE: TOP ASSEMBLY DRAWING: AUTORESONANT WIRELESS POWER TRANSMITTER	
APP ENG.	GB		
		SIZE	IC NO.
		N/A	LTC4125
			REV.
			2
SCALE = NONE		FILENAME: DC2330A-2.PCB	SHT 1 of 2