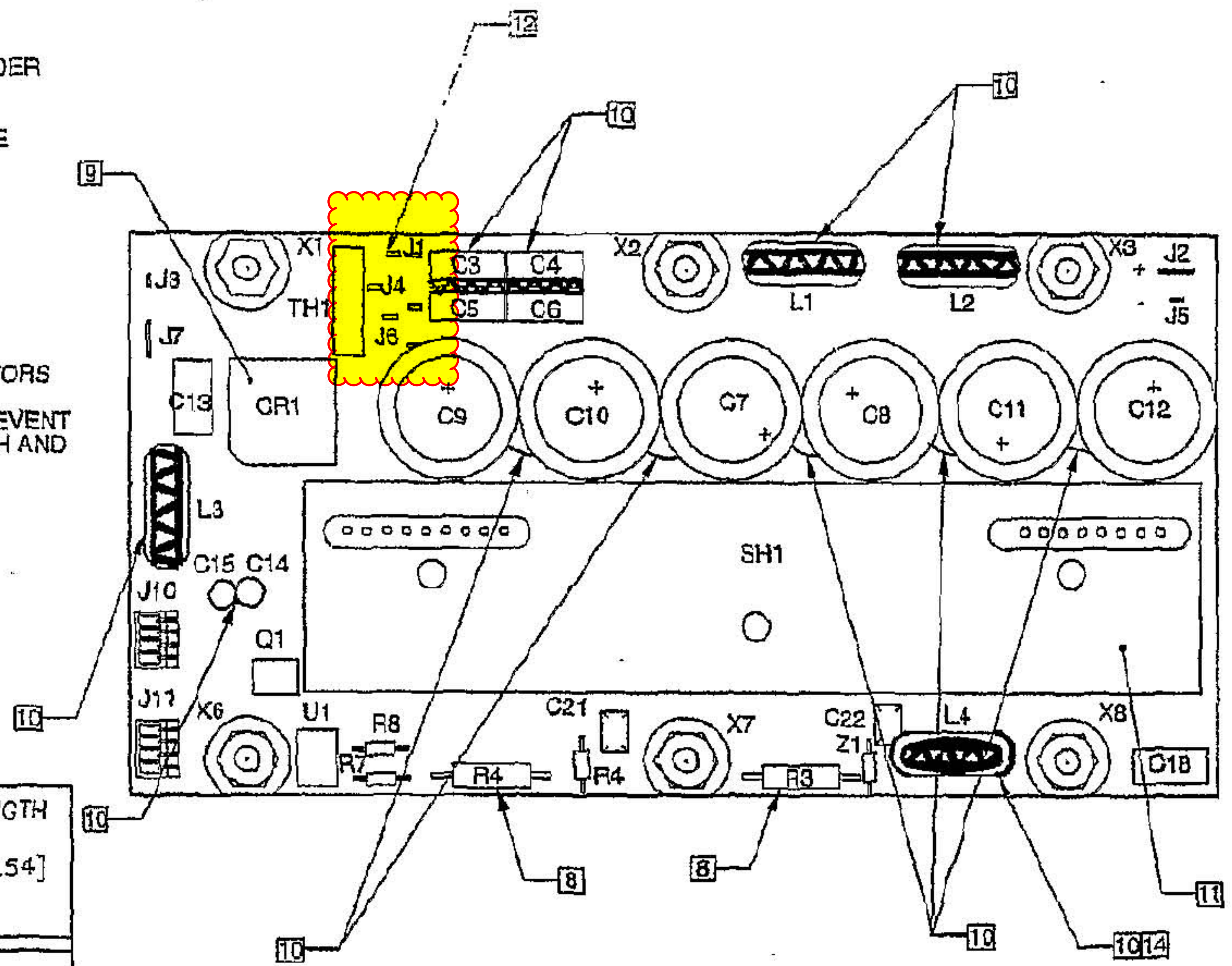
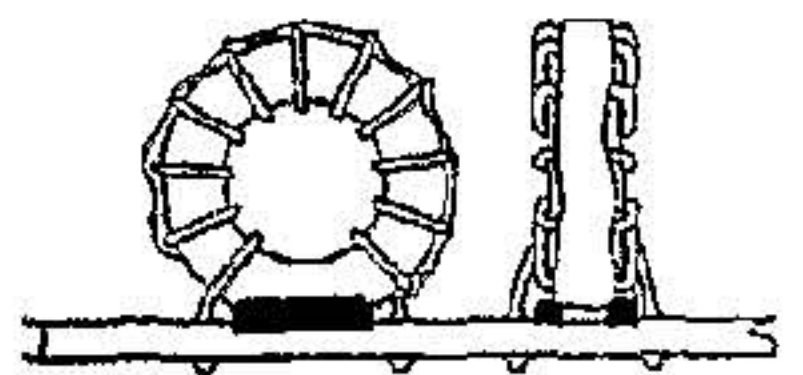


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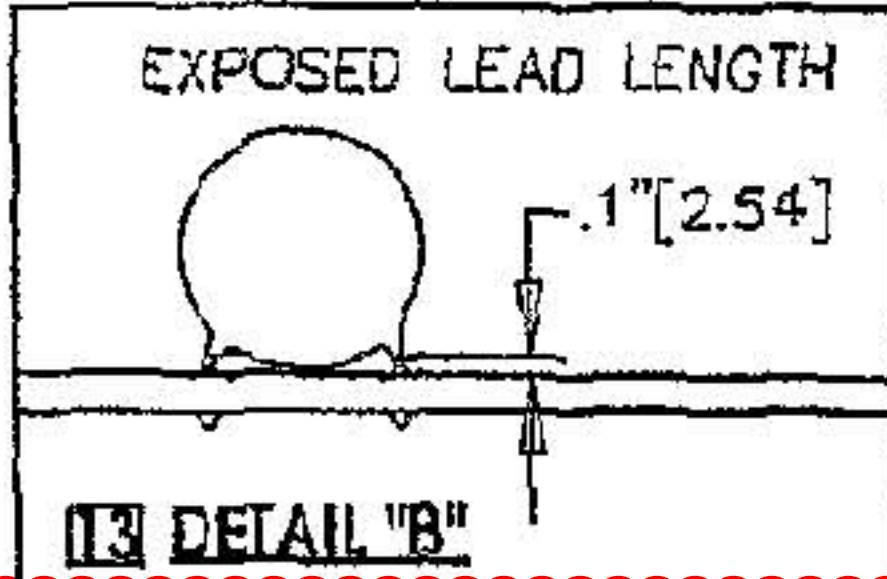
- NOTES: UNLESS OTHERWISE SPECIFIED
- 1. ALL COMPONENT LEADS MUST SHOW THROUGH SOLDER SIDE OF BOARD.
 - 2. ALL COMPONENT LEADS MUST BE TRIMMED TO .063" [1.60] MAX.
 - 3. ALL COMPONENTS LEADS MUST SHOW GOOD SOLDER FLOW ON BOTH SIDE OF THE PCB. NO SOLDER VOIDS OR PIN HOLES.
 - 4. SOLDER MUST BE SMOOTH AND SHINY WITH EVEN WETTING. (NOTE: COLD SOLDER JOINTS ARE CAUSE FOR REJECTION).
 - 5. BOTH SIDES OF BOARD SHALL BE CLEAN AND FREE OF ANY DEBRIS OR RESIDUE
 - 6. ALL DIMENSIONS ARE IN DECIMAL INCHES AND [MILLIMETERS].
 - 7. SEE BOM FOR LIST OF PART NUMBERS.
 - 8. COMPONENT "R3,R4" SHALL BE SPACED .10" [2.54] FROM THE PCB SURFACE.
 - 9. COMPONENT "CR1" SHALL BE SPACED .25" [6.35] FROM THE PCB SURFACE.
 - 10. APPLY A SMALL AMOUNT OF RTV ADHESIVE (P/N 49-0007) TO SECURE CAPACITORS C3,C4,C5,C7,C8,C9,C10,C11,C12 TO PREVENT VIBRATION NOISE; ALSO APPLY A SMALL BEAD ACROSS THE WINDINGS AND BASE OF L1,L2,L3,L4 TO PREVENT VIBRATION. NOTE: ENSURE THAT INDUCTORS L1,L2,L3,L4 ARE MOUNTED FLUSH AND PERPENDICULAR TO THE PCB SURFACE. (SEE DETAIL A).
 - 11. APPLY INSULATOR (P/N 48-036) ONTO COMPONENT SIDE AT "SH 1" LOCATION.
 - 12. INSTALL JUMPERS FOR 117V (-1) & 2530V (-2) VOLTAGES PER "JUMPER TABLE".
 - 13. CAPACITORS C3,C4,C5,C6,C13,C18,C21,C22 TO BE MOUNTED WITH AN EXPOSED LEAD LENGTH NOT TO EXCEED .1" (2.54mm) FROM THE PCB SURFACE. (SEE DETAIL "B").
 - 14. INSTALL AND SHRINK A 1" LENGTH OF SHRINK TUBING (P/N 53-113) OVER "L4" AFTER ADHESIVE HAS CURED.



INDUCTOR CORE MUST BE FLUSH
AND PERPENDICULAR TO THE
PCB SURFACE.



10 DETAIL "A" (L1 thru L4)
(APPLY ADHESIVE AS SHOWN)



13 DETAIL "B"

JUMPER TABLE		OPTION TABLE	
J4	J1	-1	117V
J4	J6		
J4	J1	-2	230V
J4	J6		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN DECIMAL INCHES AND [MILLIMETERS]		SOLIDWORKS 2003 GENERATED DRAWING. DO NOT MANUALLY UPDATE		Velodyne Acoustics, Inc.	
TOLERANCES ARE:		APPROVALS		DATE	
DECIMALS	ANGLES	JCC		07/24/03	
±.000 ±0.5°		MD		07/24/03	
±.015		WHK		07/24/03	
MATERIAL		SEE NOTES		SCALE: 1:1	
FINISH		SEE NOTES		BOM: 84-0044-X	
NEXT ASSY		DO NOT SCALE DRAWING		REV: A	