2. THRU-HOLE COMPONENT LEADS MUST BE TRIMMED TO .063" [1.6mm] OR "IPC-610" REQUIREMENT.

3. THRU-HOLE COMPONENT LEADS MUST EXHIBIT GOOD SOLDER FLOW ON BOTH SIDES OF THE BOARD. NO SOLDER VOIDS,PINHOLES OR COLD SOLDER JOINTS.

4. SOLDER MUST BE SMOOTH, SHINY WITH EVEN WETTING AND EXHIBIT NO COLD SOLDER JOINTS.

5. BOTH SIDES OF BOARD MUST BE CLEAN AND FREE OF ANY FLUX RESIDUE.

6. SEE BILL OF MATERIALS FOR REFERENCE PART NUMBER

7. TERMINALS "J12 & J13" ARE TO BE INSTALLED PERPENDICULAR TO THE BOARD.

8. INSTALL, SOLDER AND CLEAN THE FOUR FASTON TERMINAL CONNECTORS (ITEM 9) AT "SW1" AS SHOWN.
NOTE: THE PCB CONNECTORS MUST BE MOUNTED PERPENDICULAR ON THE PCB SOLDER SIDE SURFACE.

9. INSTALL JUMPERS (ITEM 21) AT "JP1,JP2 (-1 = 117V) OR JP3 (-2 = 230V)"" PER OPTION TABLE BELOW.

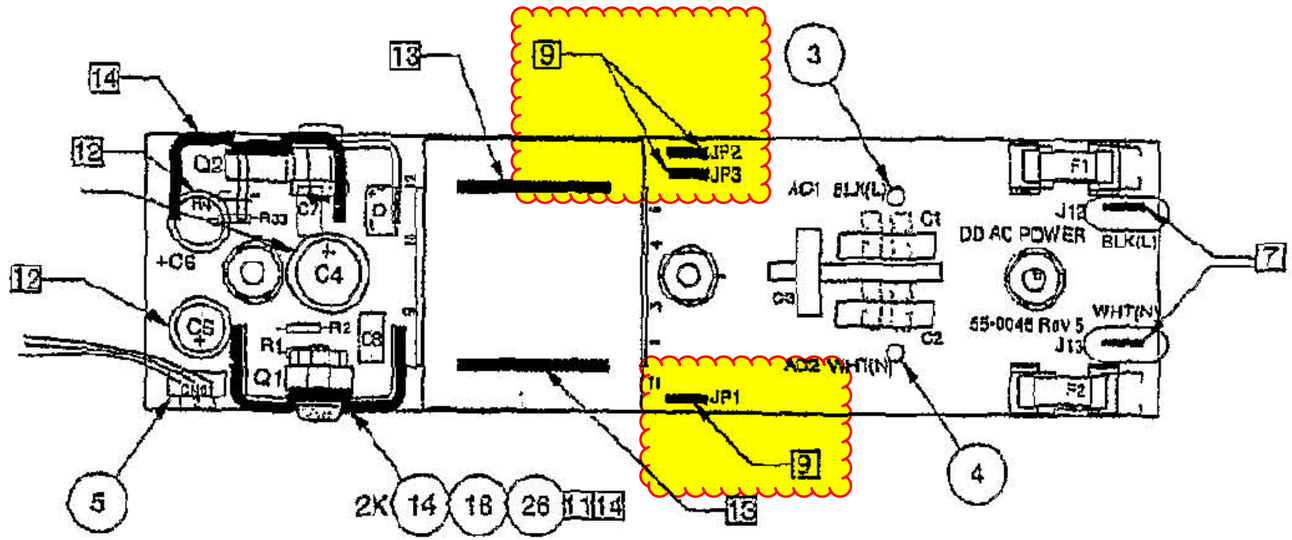
10. BEND OR TWIST PINS ON HEATSINKS (ITEM 18) TO SECURE TO PC BOARD (6 PLACES).

11. APPLY SMALL AMOUNT HEATSINK COMPOUND (ITEM 26) BETWEEN REGULATOR (ITEM 14) AND HEATSINK (ITEM 18).

12. ADD RTV ADHESIVE (ITEM 0012) AT THE BASE OF CAPACITORS "C4,C5 & C6" TO SECURE-IN-PLACE TO PREVENT VIBRATION.

13. APPLY A 1" LONG BEAD OF ECOBOND (ITEM 26) OR APPROVED EQUIVALENT, ON THE EACH END OF THE TRANSFORMER IN THREE PLACES.

14. APPLY A CONTINUOUS BEAD OF ECO BOND (ITEM 26), OR APPROVED EQUIVALENT, AROUND THE BASE OF EACH HEATSINK (ITEM 18).



9 VOLTAGE OPTION TABLE		
-1	DD Series 117V	JP1 —— JP2 ——
-2	DD Series 230V	JP3 ——
-3	1812 117V	JP1 —— JP2 ——
-4	1812 230V	JP3 ——

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN DECIMAL INCHES AND METRIC
TOLERANCES ARE:
DECIMALS .XXX ± .030 .XXX ± .010
ANGLES ± 0.5°
SOLIDWORKS2003 GENERATED DRAWING DO NOT MANUALLY UPDATE!

APPROVALS	DATE
JCC	07/23/03
WHK	07/24/03
MD	07/24/03
WHK	07/24/03

-1	89-0071	
-2	89-0072	
-3	89-0065	
-4	89-0066	
MATERIAL	SEE NOTES	
FINISH	SEE NOTES	
NEXT ASSY	DO NOT SCALE DRAWING	

Velodyne Acoustics, Inc.

ASSY, DSP AC POWER PCB

SIZE: B | DWG. NO. 84-0046-X | REV: B

SCALE: 1/1 | SHEET 1 OF 1