



REV H NOTES:  
 3. ADDED LED STRIP.  
 2. ADDED SHIFT REGISTER TO CONTROL LEADS.  
 1. ADDED FUSES FOR FILAMENT RESISTOR GNDS.

- 1. ALL RESISTORS ARE 1/4W, EXCEPT AS NOTED.
- 2. ALL CAPACITORS IN MICROFARADS, EXCEPT AS NOTED.
- 3. ALL OPEN GROUNDS ARE (A), EXCEPT AS NOTED.
- 4. ADDED AS SECONDARY OPERATION ARE DENOTED \*
- 5. FLAME PROOF / FUSED PARTS.

NOTES UNLESS OTHERWISE SPECIFIED.

PAGE 1 OF 2  
 PAGE 2 : RELAY CONTROLLER

**CARVIN**  
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**V3 Tube Head  
 MASTER PCB**

DRAWN BY: E. PETERSEN DATE: 12FEB04  
 APPROVED: DATE:  
 PCB NO: 30-33101 REV: |  
 ASSY. NO: 80-33101 REV: |  
 REVISED BY: E. PETERSEN DATE: 18MAR09

SET P27 FOR 100mA  
 ACROSS STANDBY  
 WITH 4-PW TUBES ON

TO EFFECT LOOPS

- CH1-2 TRG → H12a.A
- CH3 TRG → H12a.B
- CH1 LED → H12a.C
- CH2 LED → H12a.D
- CH3 LED → H12a.E
- FX1 → H12a.F
- FX2 → H12a.G
- BOOST TRG → H12a.H
- +5V DSP → H12a.J

TO CHASSIS