

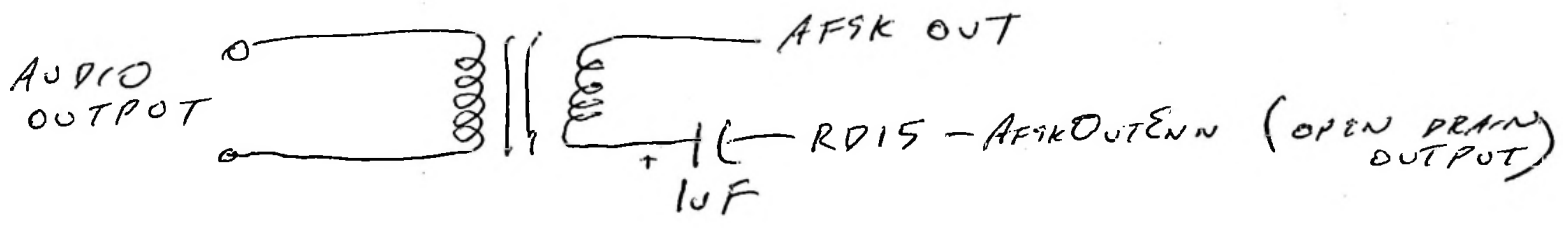
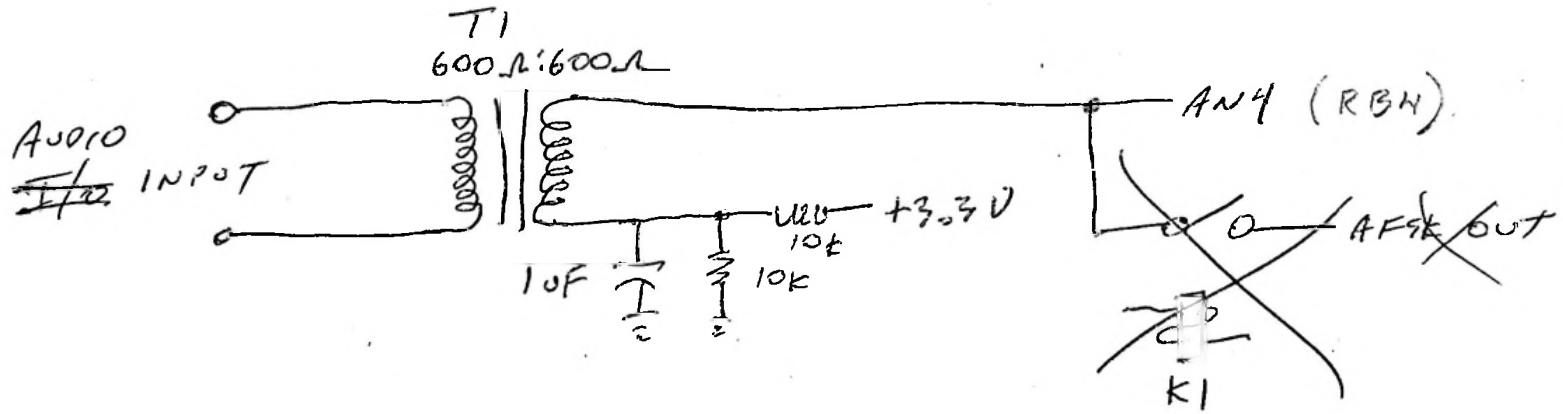
$$\text{LED CURRENT} = 30 \text{ MA}$$

$$\text{LED VOLTAGE} = 1.2 \text{ V}$$

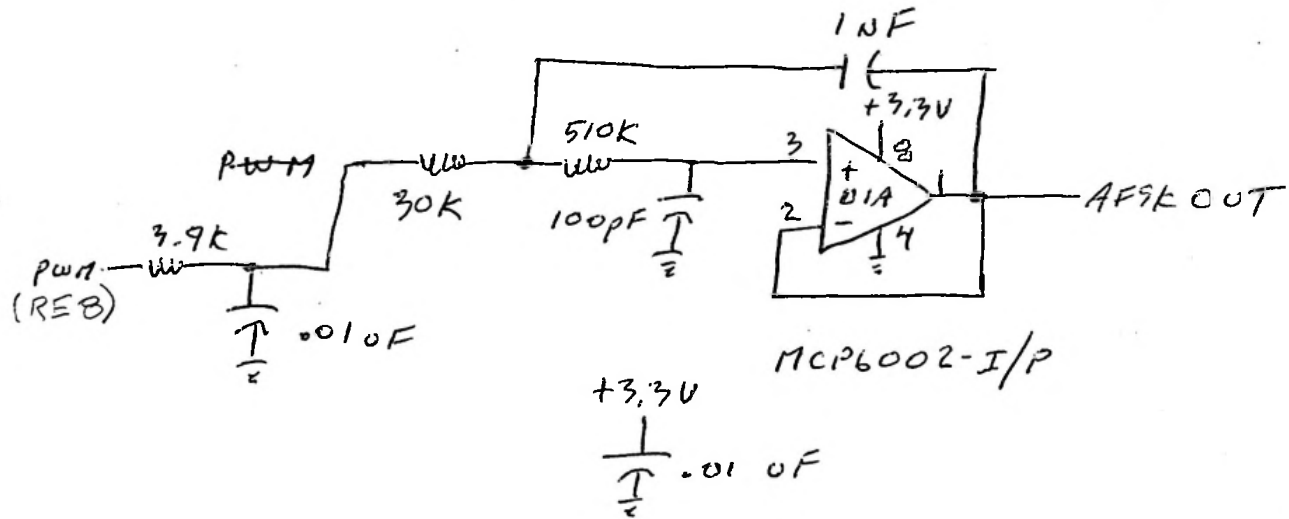
$$I_R = 30 \text{ MA}$$

$$R = 1.2 \text{ V} / 30 \text{ MA} = 40 \Omega$$

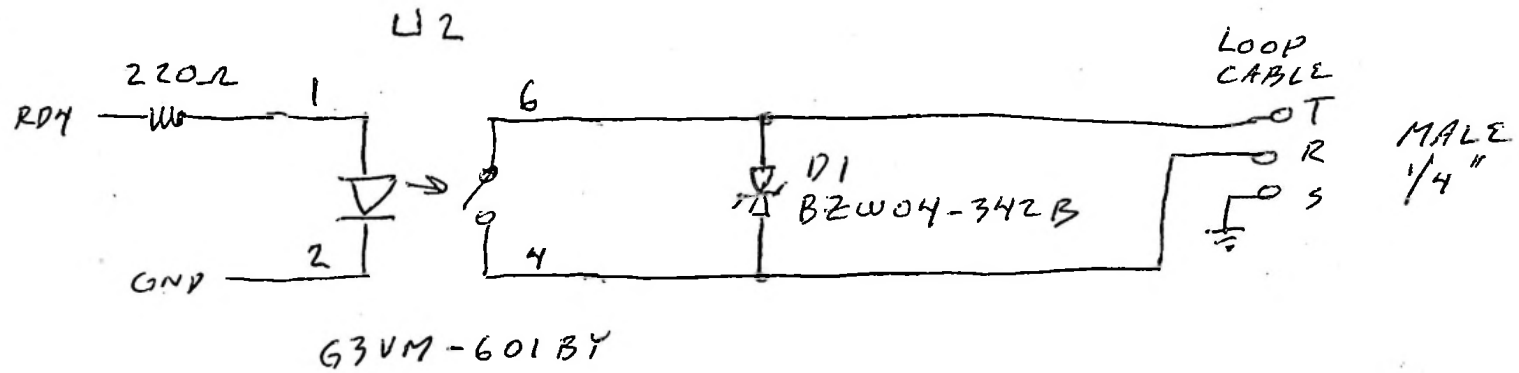
$$P = 36 \text{ mW}$$



Audio Bus INTERFACE



AFSK OUTPUT  
 4 KHz LPF



AFKIN — AN4 — 01  
 DISP4FN — RA9 — 02  
 LOOP KEY — RD4 — 03  
 DISPCLP — SCK1 — 04  
 LOOP SENSE — RD14 — 05  
 DISP M0SI — RD3 — 06  
 +3.3V — 07  
 GND — 08

J5

16 0 — PWM  
 15 0 — RFB — DISP RESET N  
 14 0 — RD10 — DISPCSN  
 13 0 — RD15 — AFKOUTEN  
 12 0  
 11 0  
 10 0  
 9 0 — GND

J10

01 16 0  
 02 15 0  
 03 14 0  
 04 13 0 — U2 TX — DEBUG  
 05 12 0  
 06 11 0  
 07 10 0  
 08 9 0 — GND

PIC32 MZEF  
 CURIOSITY BOARD

