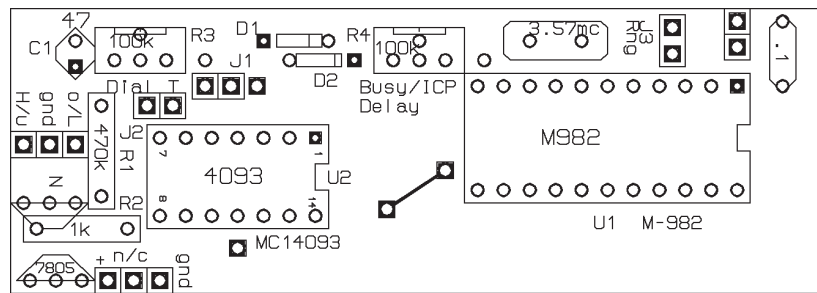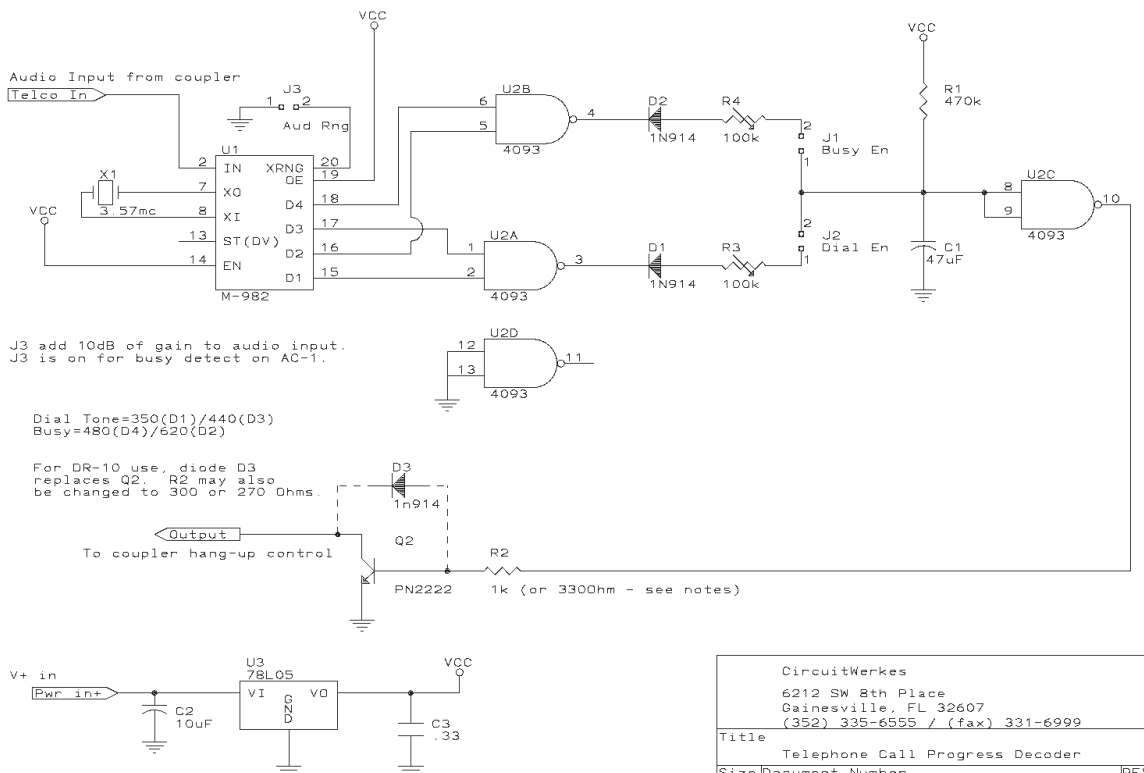# CircuitWerkes' CP-1 Call progress Decoder Option Board
## *Preliminary Instructions*

The CircuitWerkes Call Progress Decoder (CPD) is a precision tone decoder that is designed to listen for the presence of dial tone or busy signals on telephone systems that do not provide end of call battery signalling. When dial tone or busy is detected for a period of several seconds, the CPD causes the autocoupler to hang up. Note: high ambient audio levels can mask (or simulate) central office call progress tones, so some adjustment of send audio may be required for reliable operation.

When sending audio through the coupler, the audio level may need to be set slightly lower than normal to allow the call progress decoder to recognize the tones. The call progress decoder is jumperable to detect either or both dial (via J2) and busy (via J1) tones. The length of time required for disconnection is also adjustable by the two potentiometers on the board. 3 to 10 seconds is suggested for both types of signals to prevent false tripping. Turning the pots clockwise increases the delay before hang-up. J3 adds 10dB of gain to the input & should be on for busy detection.