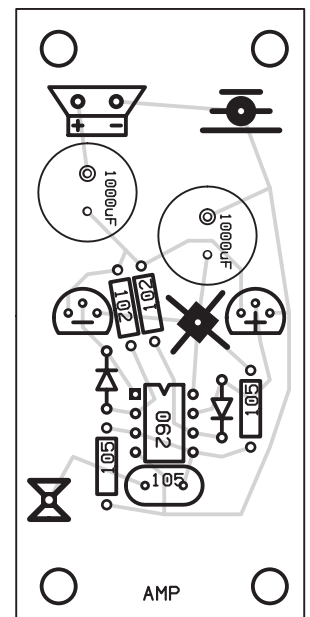
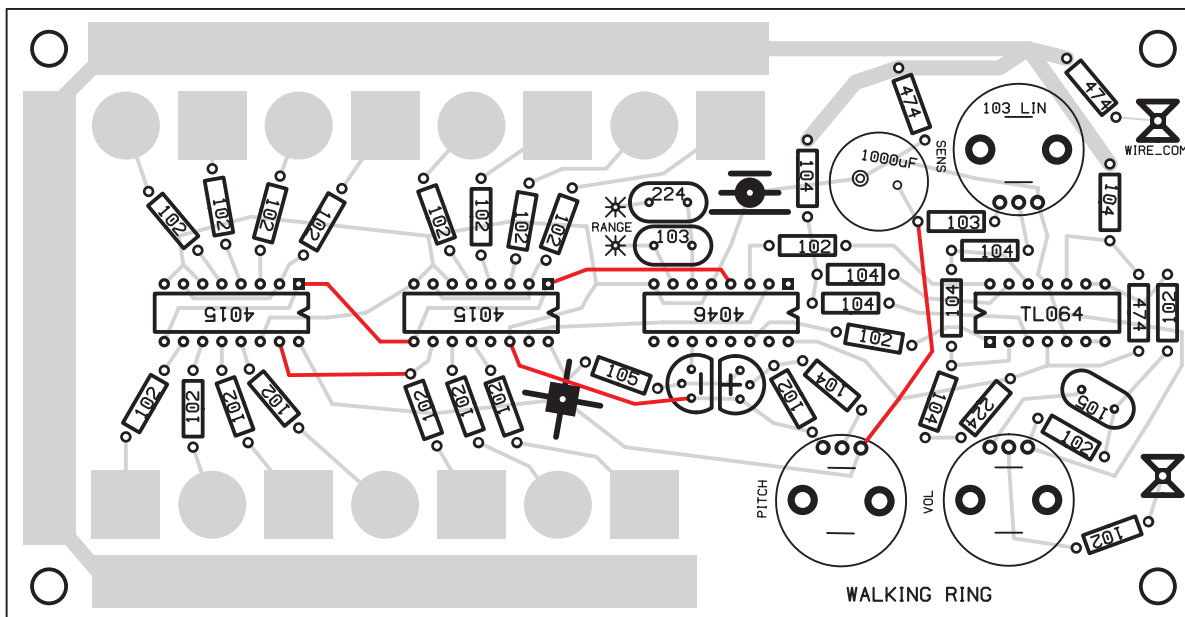
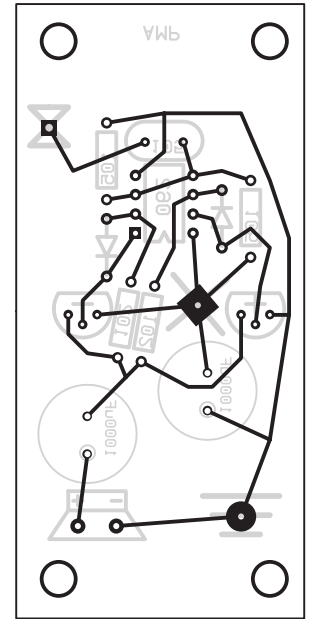
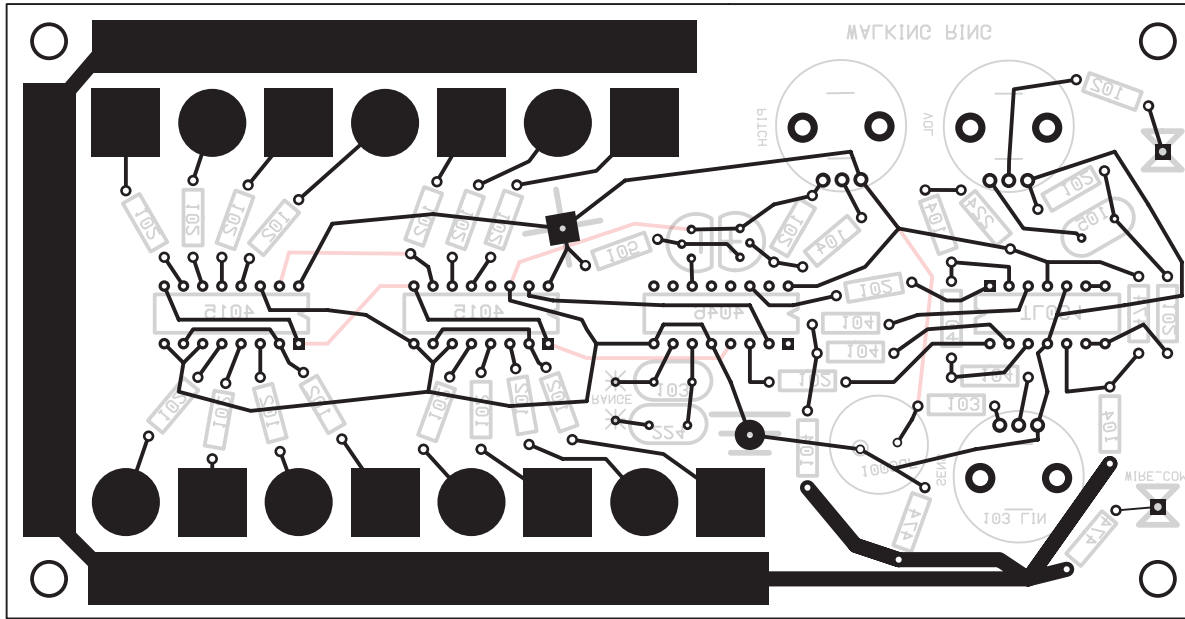


walking ring circuit is about playing a ring counter with your fingers. The “keyboard” representation wrapped around the far end of the piece is where feedback (playing) happens. The bar that follows the perimeter represents the mix that is played through to the output as well as the mix that is fed back to the counter through a window comparator and XOR gate. Each of the circles and squares are outputs from the counter and can be bridged to the bar with fingers. The  $\oplus$  symbol is for +9V and the  $\equiv$  symbol is for ground. Amp circuit is 0.5 Watts with an 8 ohm speaker. If you elect not to build the amp the  $\times$  symbol on the walking ring side is the line out. The pots I used are 10k but this is not a critical value. This document should be folded around the middle so the mirrored halves match up. In the middle of the folded paper is glued a piece of thicker paper, cardstock. Punch holes in the whole sandwich with a pushpin or poker. Place component leads through the holes and solder the connections shown.



2N3904



2N3906



walking ring

1N4148



V1 04/20 Top traces instead of 0ohm jumpers. non-polar.

You could use thumb tacks as a playable interface.

9V battery.

shift registers, walking ring, LFSR, PRNG.

105 Caps are 1uF

There is no power regulator on this board, it is ready for a Please enjoy building this circuit.



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