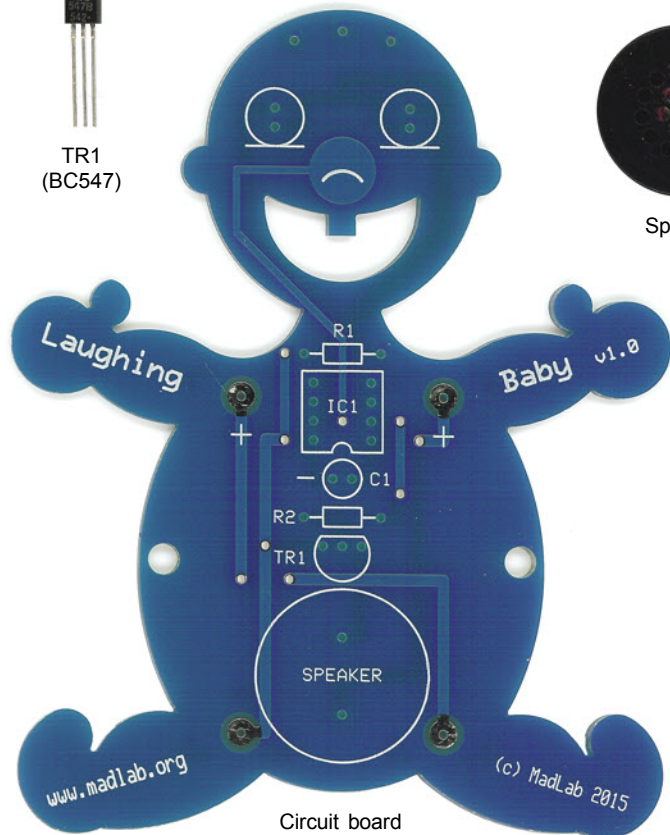
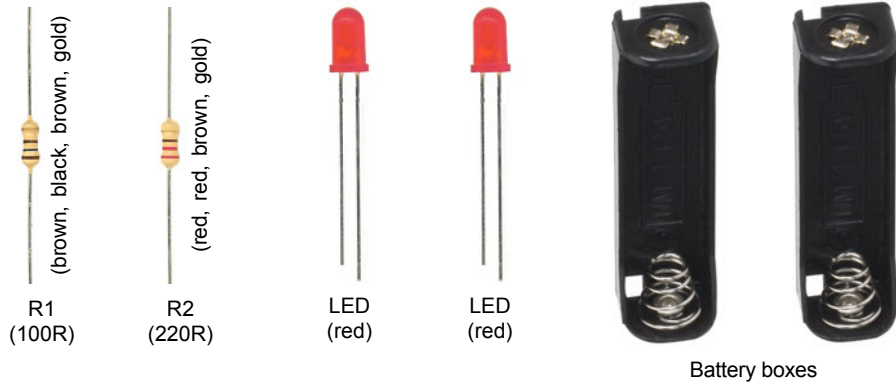
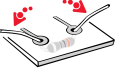


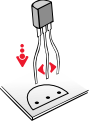

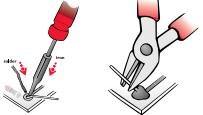
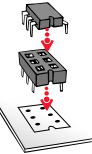


# LAUGHING BABY



- 1 Identify the different components using the spotter chart.
- 2 Find the resistors (R1 and R2) telling them apart by the coloured bands around their bodies. Bend the legs into a U-shape then fit them flat onto the front side of the circuit board. Bend the legs outwards into a V-shape to hold them in place. They can be fitted either way around. 
- 3 Fit the eyes (LEDs) to the board putting the shorter leg into the hole with the line. The shorter leg also has a flattened edge on the rim. Bend the legs away from each other. 
- 4 Fit the capacitor (C1) to the board putting the shorter leg into the hole with the - sign. The shorter leg also has a stripe on the side of the body. Bend the legs outwards a little to hold it in place. 
- 5 Open the legs of the transistor (TR1) a little and fit it to the board matching the half-circle shape of the transistor to the half-circle shape on the board. Push the transistor half way down and bend the legs. 
- 6 Fit the speaker to the circuit board either way around. 
- 7 Solder the legs of the components to the back side of the board then clip the legs close to each solder joint. 
- 8 Solder the chip socket (IC1) matching the notch in the socket to the notch on the board. **Do not solder the chip directly to the board.** Carefully bend the legs of the chip inwards a little with your fingers and fit it into its socket matching the small notch in the chip to the notch in the socket. 
- 9 Fit the battery boxes to the **back** of the board making sure the spring ends (-) are at the bottom. Solder the battery boxes to the front side of the board.
- 10 Solder the wire to the hole at the top of the head then bend it into a small curl.
- 11 Fit a pair of AAA cells into the battery boxes with the negative terminals (-) at the spring ends. The eyes should flash and the speaker should beep twice. Touching the nose with your finger should make *Laughing Baby* laugh.