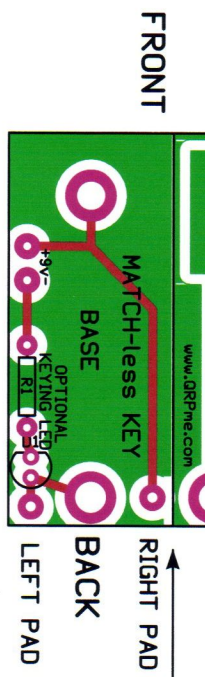


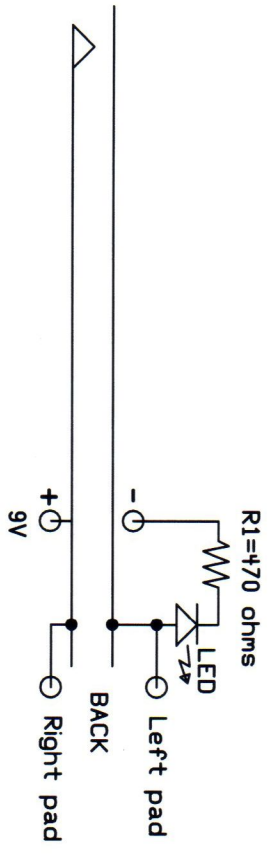
**NOTE: early versions of this kit have the LED (D1) orientation reversed.**  
**Build ALL kits to this layout/orientation.**

Drill tape data			
Tool Code	Hole Size	Sym bol	Hole Count



**MATCH-less KEY List of Materials**

- #6 x 1/2" screws qty.2
- #6 washers qty.2
- 9 volt batt. snap @ 9V
- red = + black = -
- R1 = 470 ohm resistor
- LED = ULTRAbright LED

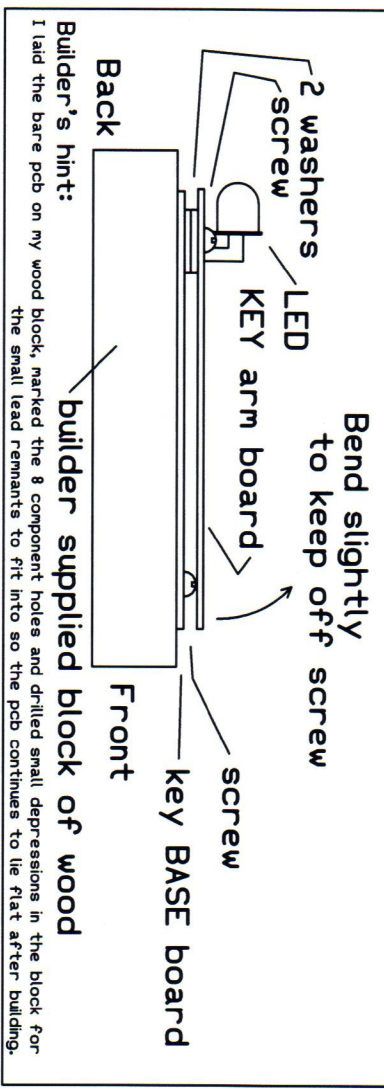


To operate as a stand-alone Night Code Sender, disconnect any external circuit attached to the back 2 pads, install a 9 volt battery and then send your code using the LED.

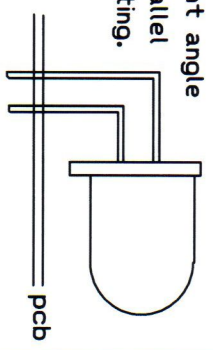
To operate as a straight key into a ham radio transmitter, disconnect the 9 volt battery and connect a cable from the LEFT & RIGHT pads at the back of the key to the KEY jack on the transmitter.



**KEY Assembly Diagram**



**NOTE:** bend the LED leads at a right angle so that the LED is aligned parallel to the board for ease of pointing.



Co:	<b>QRPme</b>		
Title:	<b>Boy Scout Night Sender</b>		
Board:	<b>MATCH-less KEY</b>	Revision:	<b>A</b>
Drawn:	<b>W1REX</b>	Size:	<b>A</b>
Date:	<b>6/25/2010</b>	Sheet	<b>1 of 1</b>