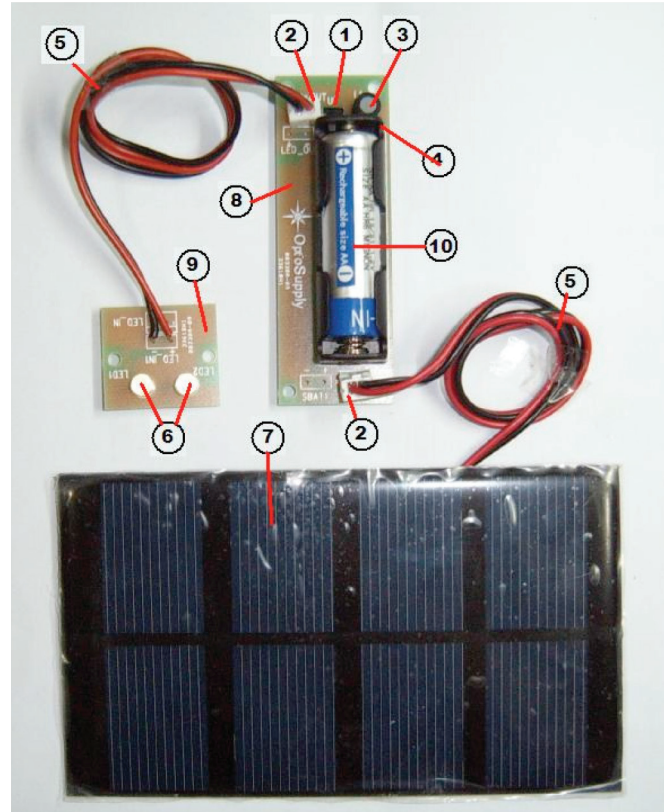
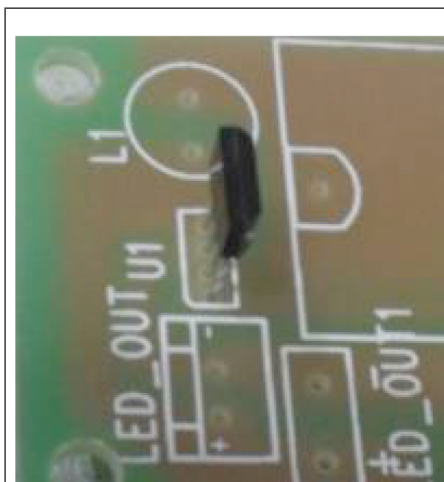


## Kit Contents:

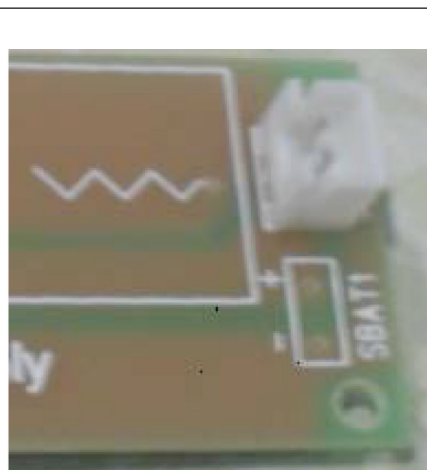
	Quantity
1 QX5252 IC	1
2 2-pin Socket	2
3 68UH Inductor	1
4 Battery Cabinet	1
5 2-pin Connector wires	2
6 LED OSW5DK5111A	2
7 Solar Module 1.8V 1W	1
8 Main PCB	1
9 LED PCB	1
10 Rechargeable NiMH Battery (1000mAH)	1



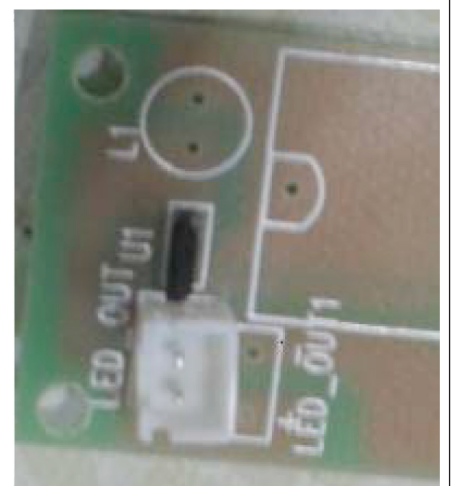
## Assembly:



Soldering QX5252 IC in Main PCB U1 location with long edge face to U1 mark


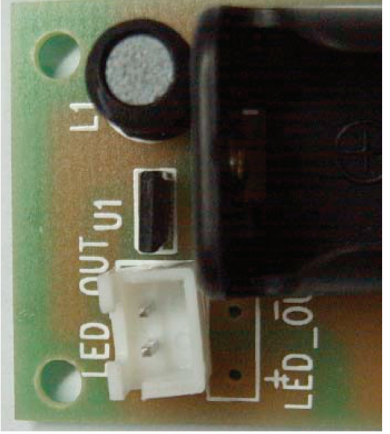

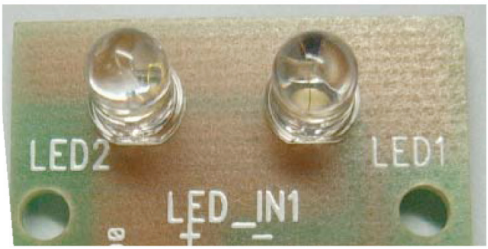
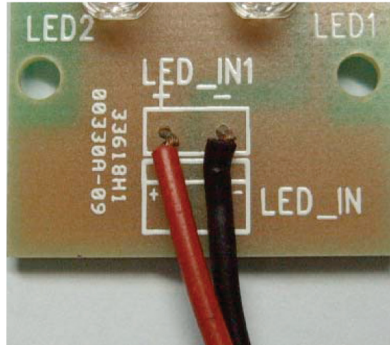


Soldering 2-pin socket in Main PCB SBAT location with the open edge facing PCB inside



Soldering 2-pin socket in Main PCB LED\_OUT location with open edge facing PCB outside

## Assembly (continued):

		
<p>Soldering Battery Cabinet in Main PCB BAT location with spring side over the spring mark of PCB</p>	<p>Soldering 68uH inductor in Main PCB L1 location</p>	<p>Soldering 2-pin Connector wire in Solar Module with Red in "+" and Black in "-"</p>
		
<p>Soldering LEDs in LED PCB in location LED1 and LED2 with the flat edge (negative) according to the marking</p>	<p>Soldering 2-pin Connector wires in LED PCB in location LED_IN1 with Red wire in "+" and Black wire in "-"</p>	

## Testing:

- 1 Connect Solar Module and LED PCB to Main PCB by plug the 2-pin connector wire in SBAT and LED\_OUT respectively.
- 2 Install the rechargeable battery into battery cabinet, LED does not light
- 3 Cover the Solar Module to stop light shining on the surface, the light detecting function activates, LEDs lit
- 4 Remove the cover and let light shine on the Solar Module surface, the light detecting function activates, the LEDs not lit

**Note:** If rechargeable battery drops to 0.7~0.8V, the circuit will cut off LED function to protect the battery not to over-discharge. It resume only when battery charging up higher than 0.9V.