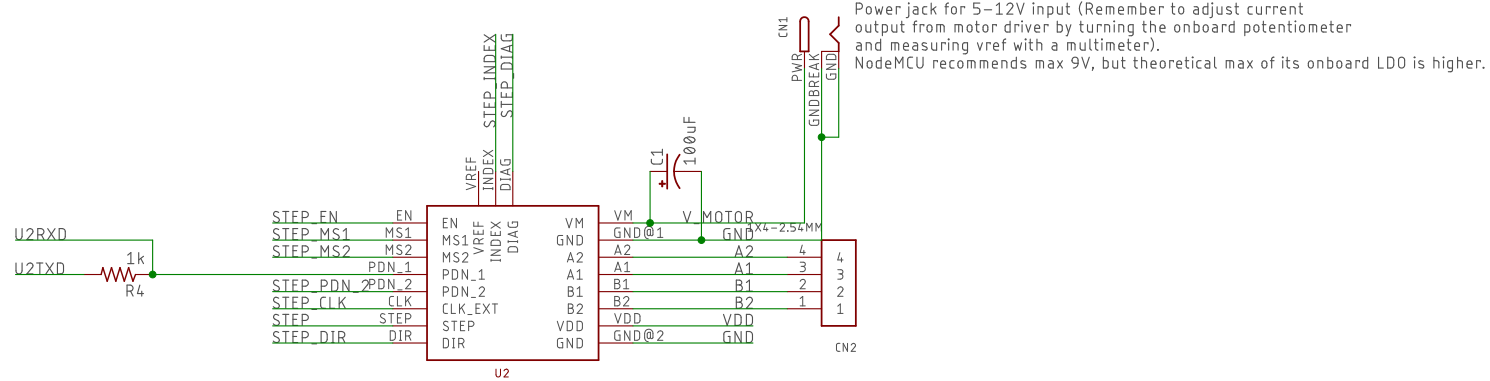


## Main functionality



Shutter circuit description:

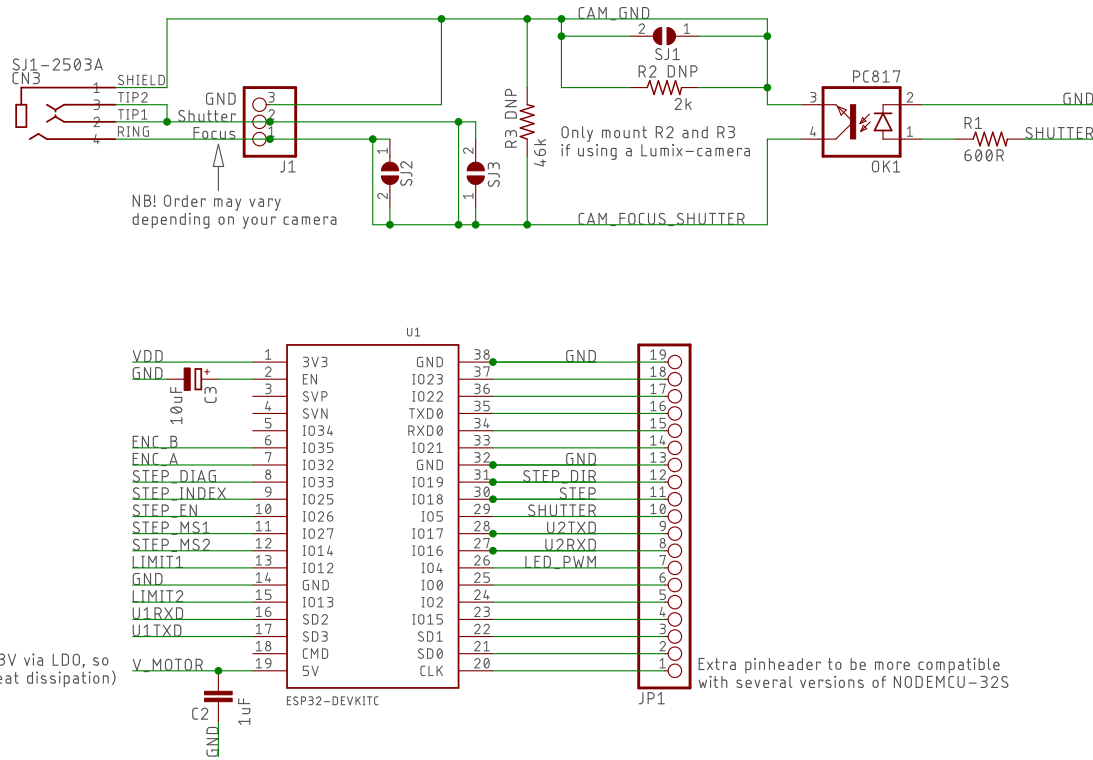
Default configuration:  
All SolderJumpers (SJ) are shorted by default  
(meaning there is a trace connecting the two pads).  
Cut trace with scalpel to change configuration.

R2 and R3 should not be mounted unless required by your camera. Always verify the connections on your camera before plugging it in to this circuit, as there is no guarantee that a manufacturer keeps cross-compatibility on their entire product range.

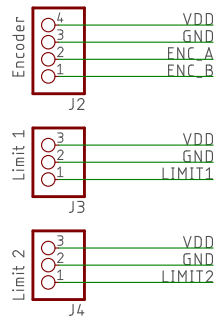
R2 and R3 to my knowledge only necessary for Lumix cameras.  
To use R2 and R3: break SJ1 by cutting the trace with a scalpel.

SJ2 and SJ3 are for compatibility.  
Nikon cameras require Focus and Shutter to be pulled low simultaneously.  
Canon and Sony don't require this, but has no problem with it either.  
Other cameras may not like it (in that case: cut traces as necessary for your camera).

Source: <https://lrtimelapse.com/news/intervalometer-hack/>



For potential future use



For using the V\_MOTOR voltage to power external LEDs that can illuminate the object that's being photographed. TIP120 can source a lot of current (up to 9A), but needs a heat-sink for anything more than 2W (current depends on your voltage.  $P = U \times I$ ).

