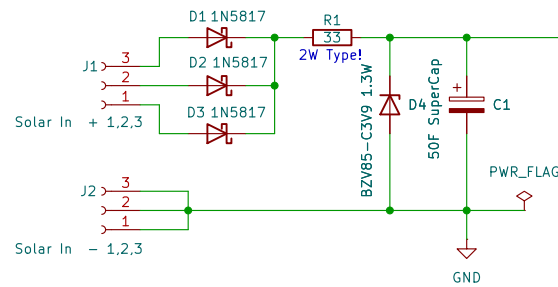


max 3x Solar Modules,
~ 5V Type with 60x60mm
-> ~ 4.5 V and 10mA under real conditions
will charge C1 in ~ 3h up to > 3.5V

Pin 1 = +
Pin 2 = -/GND

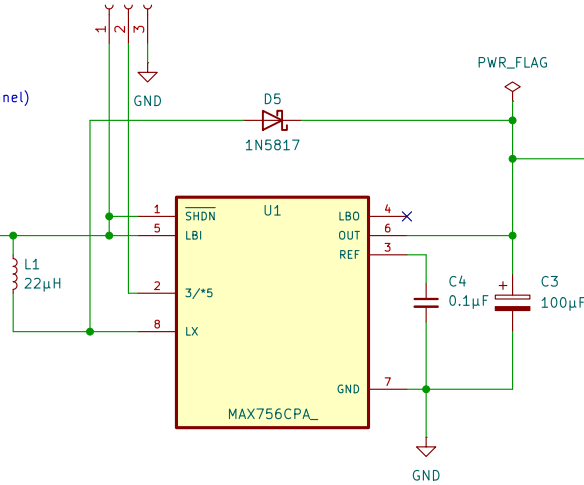
I use 4V SuperCap 50F.
This needs protection for overvoltage
from solar panels therefore Z-Diode
with 3.6 - 3.9V. (depending on solar panel)
During a bright Day most energy is
used by R1, therefore 2W typ.
C1 = SuperCap should load 2..3 h.



J3 Voltage Select

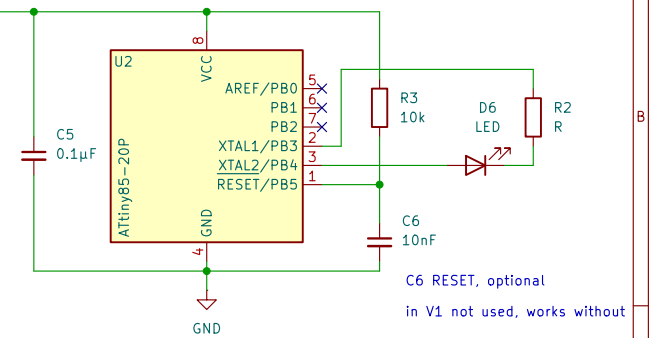
2 & 1 = 3.3V - Preferred Option
2 & 3 = 5.0V - higher loss in DC/DC, don't use!

Don't let open!



R2 value depends on voltage Setting and D6 LED Type.
Only tested this settings:

3.3 V:
- RED 640 Ω (~ 2.2 mA tested.)
- GREEN 330 Ω (~ 2.2 mA tested, very bright!)



C6 RESET, optional
in V1 not used, works without

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Title: 日輪虫 / Nichirin Hotaru / FireFly Solar

Size: A4 Date: 2026-09-27

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