S1 SHIELD

A1 GND
GND

P1
USB_C_Plug_USB2.0

R1
270

RasPi GPIO 5V @ 5.23V

A6 D+
A7 D−
B5 VCONN
A5 CC
A4 VBUS

D1
1N4007

D2
1N4007

K1
G6DN−1A DC5

1 1
2 2

8 8
5 5

SC1
SM400K10L

GND

A9 VBUS

A5 CC1
B5 CC2

GND A12

J1
USB_C_Receptacle_PowerOnly_6P

SHIELD S1

Sheet: /
File: Solar Panel and Relay.kicad_sch

Title: Solar Panel Triggered Relay for RasPi Auto Turn−On Schematic

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