

treeboard matrix

switch matrix

ROW1

SK6812MINI-EA array

RGB_CTRL 3 DIN DOUT

GND 🖰 +5V D31

offboard connector

SS Ken

D1 D2 D3 1N4148 D3 1N4148

√o[†] SW6

D9 D10 D11 1N4148 P1N4148 P

DIN DOUT-

N DOU

D28-

₩SS NSS

DOUT DIN

V SSA

Conn_02x10_Counter_Clockwise

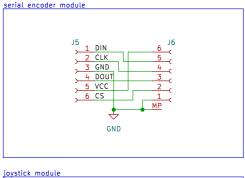
+5V 1 20 ROW3 19 ROW2 RGB_CTRL 3 18 ROW1 GND 4 17 ROW0

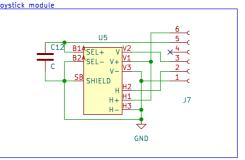
3 DIN DOUT 1

GND

√o Sw7

√o[†] SW5





C29-32 NPO 2% C33-34 NPO 10% C16, 18, 20-24, 26-28 X7R 10% C17, 19 NPO 5% Sheet: / File: treeboard.kicad_sch Title: KiCad E.D.A. kicad 7.0.9