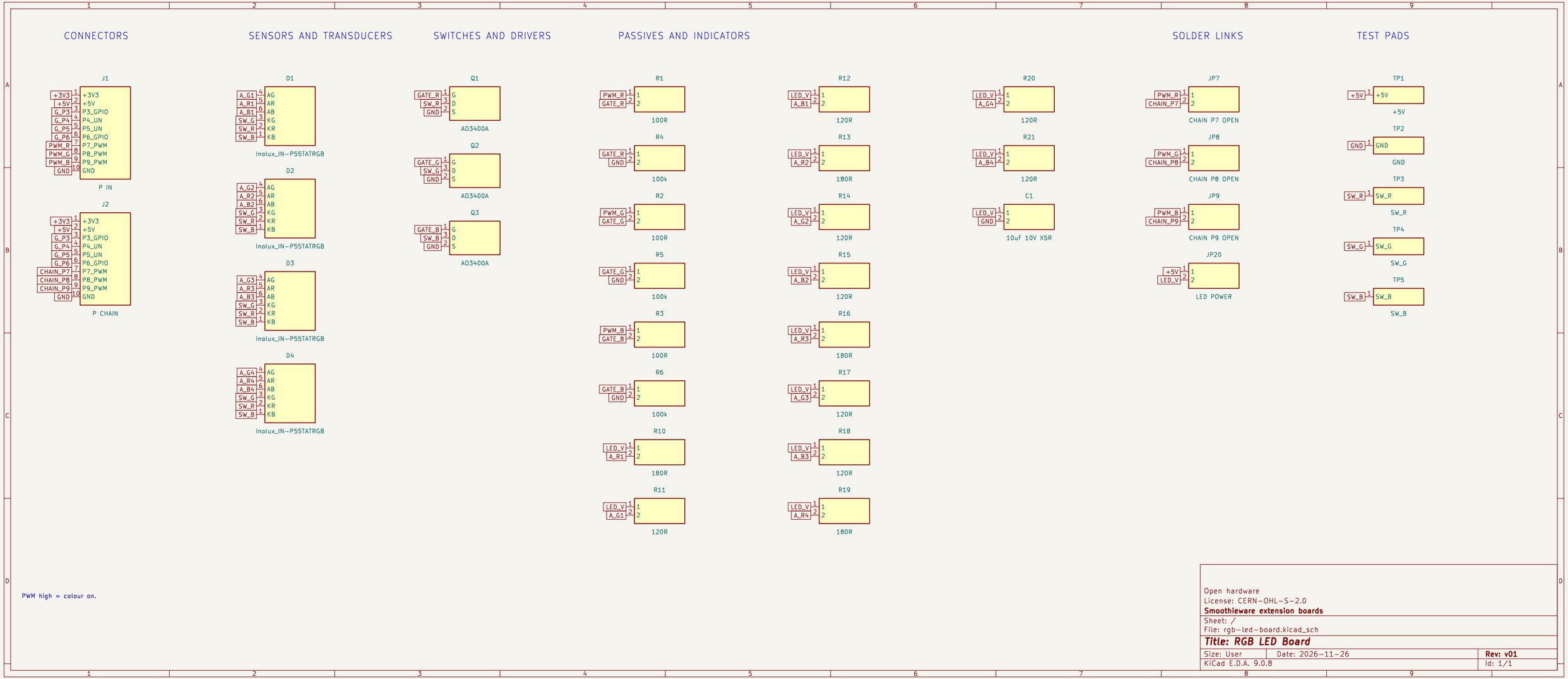
CONNECTORS
SENSORS AND TRANSDUCERS
SWITCHES AND DRIVERS
PASSIVES AND INDICATORS
SOLDER LINKS
TEST PADS
J1
+3V3 +5V P3_GPIO P4_UN P5_UN P6_GPIO P7_PWM P8_PWM P9_PWM GND
P IN
J2
+3V3 +5V P3_GPIO P4_UN P5_UN P6_GPIO P7_PWM P8_PWM P9_PWM GND
P CHAIN
D1
AG AR AB KG KR KB
Inolux_IN-P55TATRGB
D2
AG AR AB KG KR KB
Inolux_IN-P55TATRGB
D3
AG AR AB KG KR KB
Inolux_IN-P55TATRGB
D4
AG AR AB KG KR KB
Inolux_IN-P55TATRGB
Q1
G D S
AO3400A
Q2
G D S
AO3400A
Q3
G D S
AO3400A
R1 100R
R4 100k
R2 100R
R5 100k
R3 100R
R6 100k
R10 180R
R11 120R
R12 120R
R13 180R
R14 120R
R15 120R
R16 180R
R17 120R
R18 120R
R19 180R
R20 120R
R21 120R
C1 10uF 10V X5R
JP7 CHAIN P7 OPEN
JP8 CHAIN P8 OPEN
JP9 CHAIN P9 OPEN
JP20 LED POWER
TP1 +5V
TP2 GND
TP3 SW_R
TP4 SW_G
TP5 SW_B
PWM high = colour on.
Open hardware
License: CERN-OHL-S-2.0
Smoothieware extension boards
Sheet: /
File: rgb-led-board.kicad_sch
Title: RGB LED Board
Size: User
Date: 2026-11-26
Rev: v01
KiCad E.D.A. 9.0.8
Id: 1/1