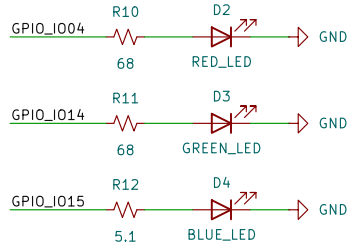


PWR_ON LED



USER LEDS



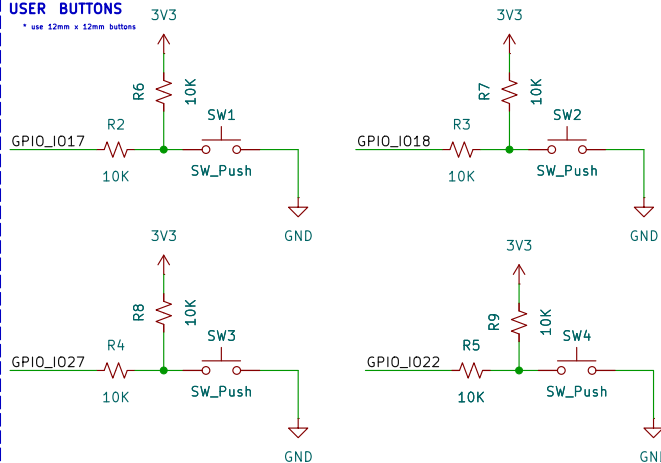
For RED/GREEN: $V_f \sim 2V$, If should be $\sim 19mA$
For BLUE: $V_f \sim 3.2V$, If should be $\sim 19mA$

MOUNTING HOLES

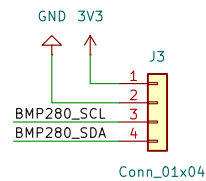


USER BUTTONS

* use 12mm x 12mm buttons

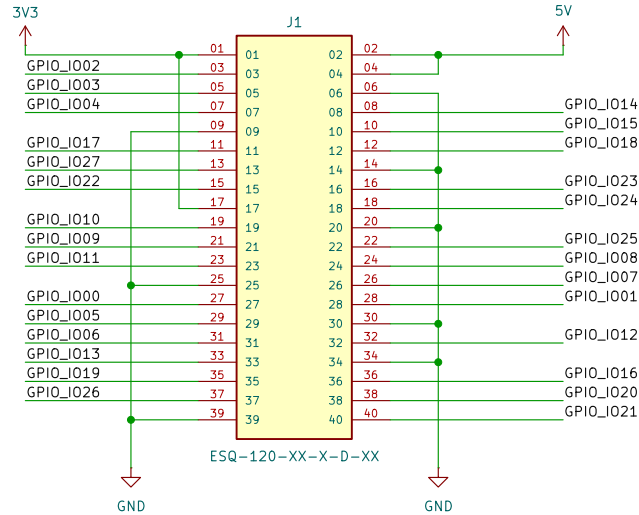


BMP260 SENSOR



BMP280_SCL GPIO_I009
BMP280_SDA GPIO_I008

EXPANSION HEADER

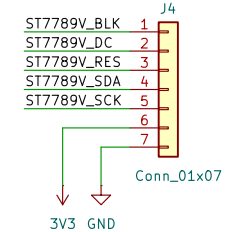


PWR_FLAG PWR_FLAG PWR_FLAG



Power supplied from main board

LCD DISPLAY CONNECTOR



ST7789V_DC GPIO_I013
ST7789V_RES GPIO_I019
ST7789V_SDA GPIO_I020
ST7789V_SCK GPIO_I021
ST7789V_BLK 3V3

Author: The LKSS team

Sheet: /
File: LKSS-DAUGHTER-BOARD.kicad_sch

Title: LKSS DAUGHTER BOARD

Size: A4 Date: 2026-04-07
KiCad E.D.A. 10.0.2

Rev: 1.0
Id: 1/1