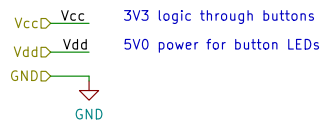


Sheet: /LED Signal Outputs/ File: LED_signals.kicad_sch	
Title: LED signal output logic	
Size: A4	Date: 2022-05-08
KiCad E.D.A. kicad (6.0.4)	Rev: 1.0
Id: 4/6	

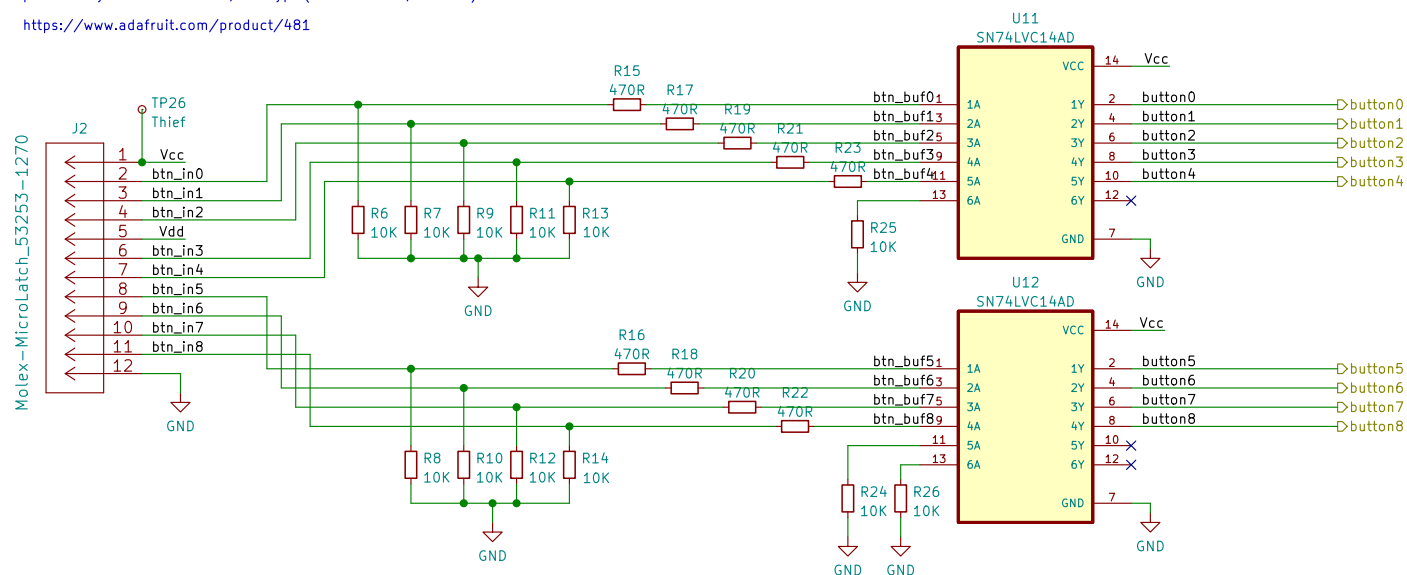


All buttons are active-high, normally-open circuit.
Pressing button connects to Vcc.

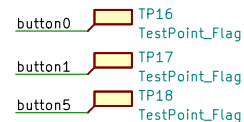
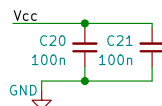
Button signals inverted -- pull I2C parallel bus line low on contact
Schmitt-triggered for debouncing of long signal line

Button have LED illumination with integral resistor
powered by 5V0 Vdd. 20 mA/btn typ. (180mA total / 9 btns)

<https://www.adafruit.com/product/481>



Decoupling capacitors one per VCC pin



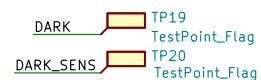
Button sense logic and connector

Sheet: /Button Inputs/
File: button_inputs.kicad_sch

Title: Button Inputs

Size: A4 Date: 2022-05-08
KiCad E.D.A. kicad (6.0.4)

Rev: 1.0
Id: 5/6



Sheet: /Light-level sensor/
File: light_sensor.kicad_sch

Size: A4	Date: 2022-05-08
----------	------------------

Size: A4	Date: 2022-05-08	Rev: 1.0
----------	------------------	----------

Size: A4	Date: 2022-05-06	Rev: 1.0
KiCad E.D.A. kicad (6.0.4)		Id: 6/6