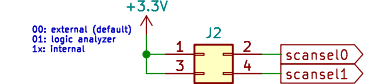


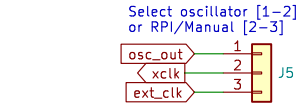
# TinyTapeout 1/2/3 Demo Board

## User Input + Config

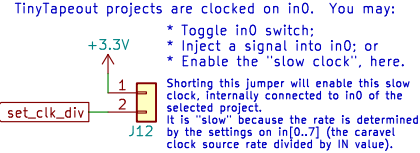
### Scan Chain Driver Select



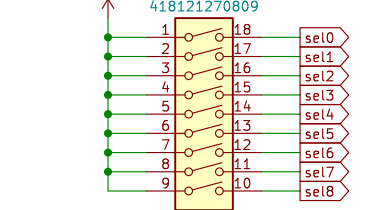
### Caravel Clock Source



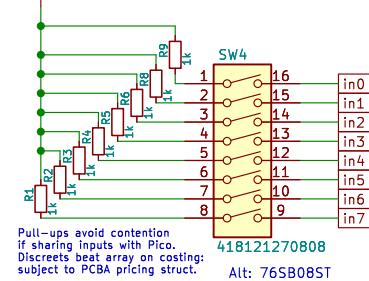
### TT Project Internal Clock



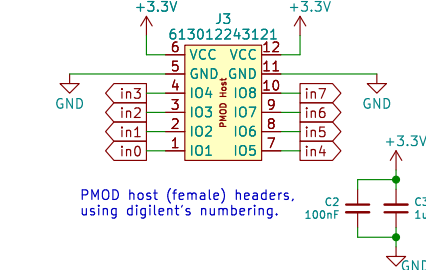
### Active Select



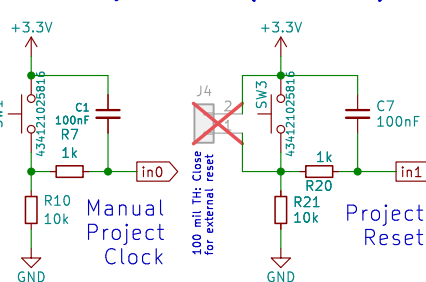
### Input DIP



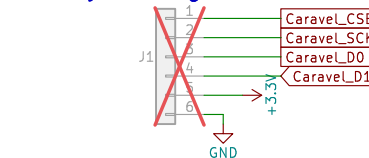
### Input PMOD



### Momentary Switches (debounced)

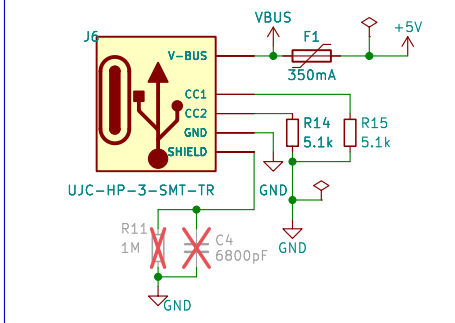


### Memory flashing connector

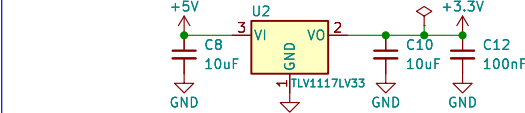


## Power

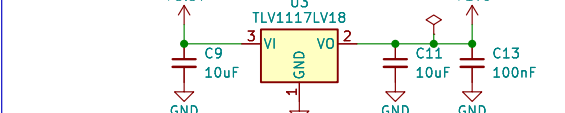
### USB connector



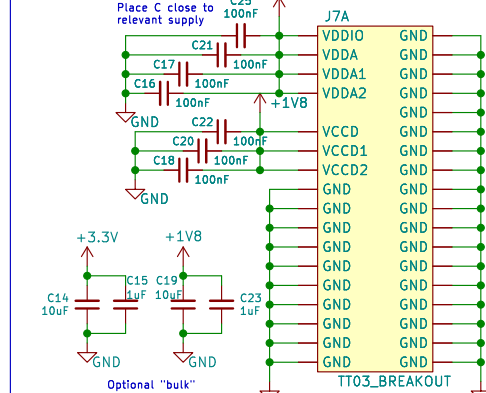
### 3.3V LDO



### 1.8V LDO



### TT Carrier Power

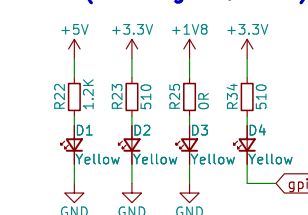


Extensive labelling, jumpers to set scan selection and clock source (on-board oscillator or manual/pico), DIP switches for inputs and selection, 7-segment display (remappable with jumpers) on outputs, full access to 8 in and out via PMODs, all pins broken out in breadboardable headers. Optional Raspberry Pi Pico, pads on underside.

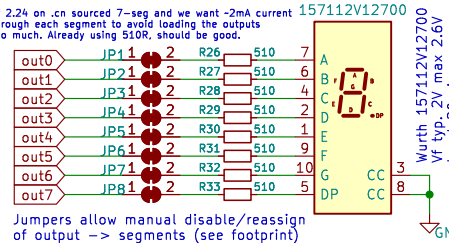
Power via +5V USB, or 5V breakout pin. On-board regulation to 3v3 and 1v8. VDDIO is 3v3, including on PMODs.

## Outputs

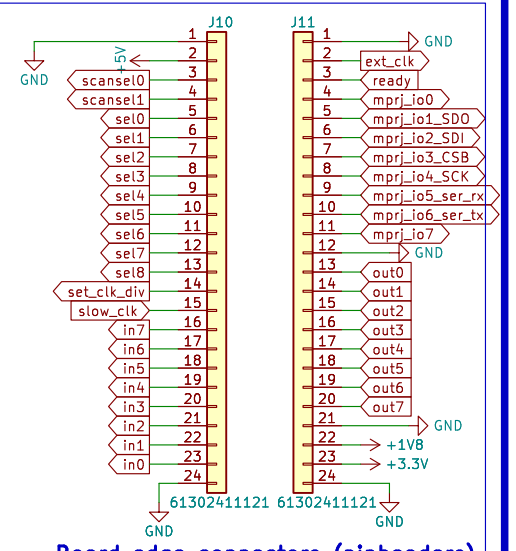
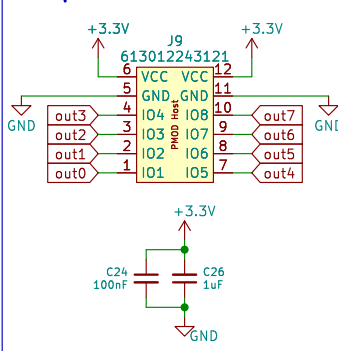
### LEDs (Power good, GPIO)



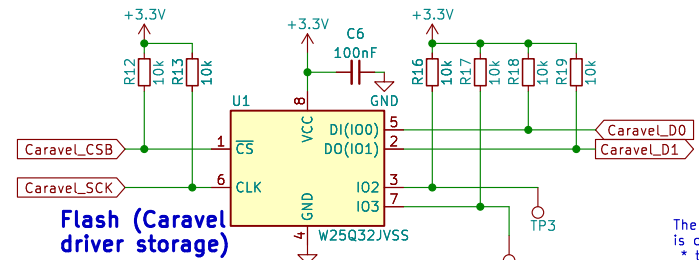
### 7-segment Display



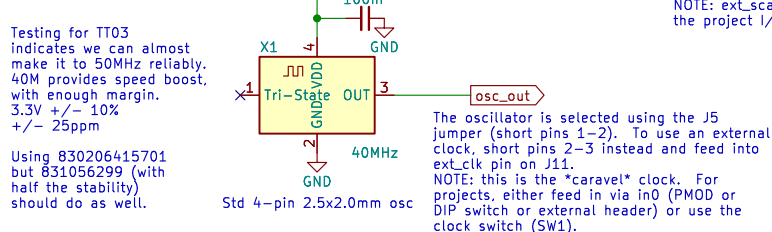
### Output PMOD



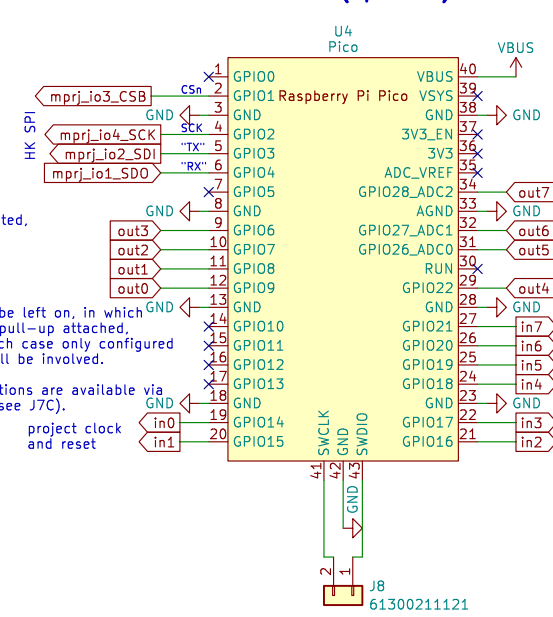
## Peripherals



### CMOS Oscillator



### RPi Pico (optional)

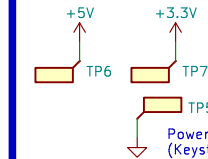
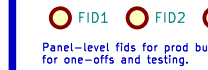


## Misc Support

### Mounting holes



### Fiducials



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Psychogenic Technologies

Sheet: /

File: mpw-mb1.kicad\_sch

Title: TinyTapeout Demo Board

Size: A3 Date: 2024-02-14

KiCad E.D.A. 8.0.8

Rev: 2.2.6

Id: 1/1