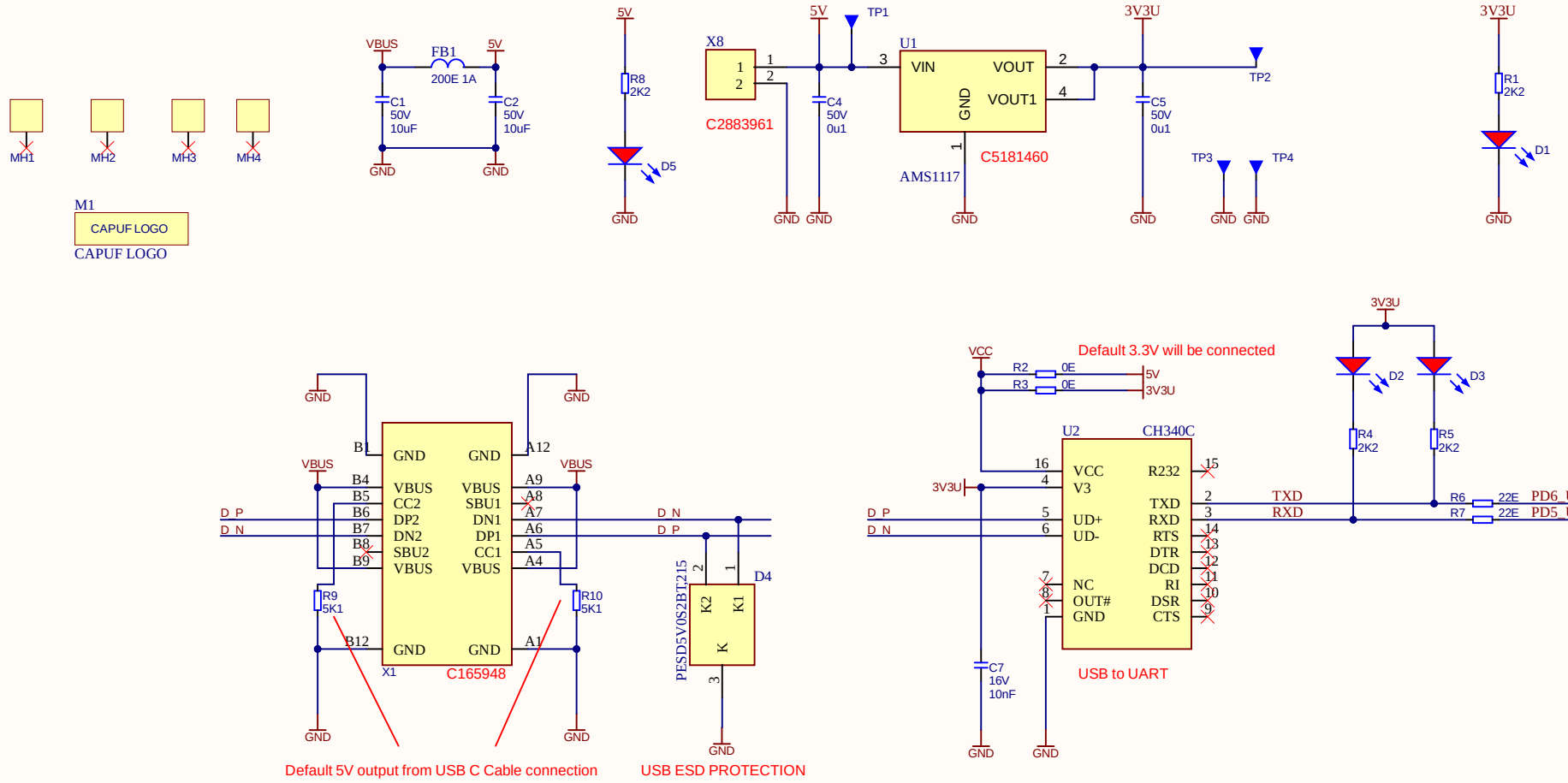
REVISION HISTORY

Modified for V1.1?	FEEDBACK FROM PROTOTYPE V1.0 TESTING
DONE	1. RGB MOSFET SOURCE PIN needs to be directly GND not via 100K, 100K should be at the gate
NO CHANGE	2. Silkscreen Printing for UART RX TX is as per PC and not as per MCU, need to decide if we should change this?
DONE	3. OLED footprint improvement, holes are not matching with the available modules in the market.
DONE	4. Programming pin silk screen is not easily visible, remove invert mode
DONE	5. 3.3V, 5V, GND, ADC Test Point
DONE	6. SPI MISO MOSI pins are swapped
DONE	7. Add 4 pin Female header for OLED and 4 pin I2C male header in the BOM
NO CHANGE / MFR will do	8. Panelize the board for 2 board (Cols) x 5 boards (Rows)
DONE	9. Add Label on the back side/company branding
DONE	10. A/K Marking for Buzzer Diode
DONE	11. Jumper pads used in Crystal Path to be replaced with 0402 zero ohm resistor for ease of manufacturing
DONE	12. Pinout correction for Quiic connector
DONE	13. Improvement in the board mounting hole
No Change / Cost is high	14. Order with plugged Vias

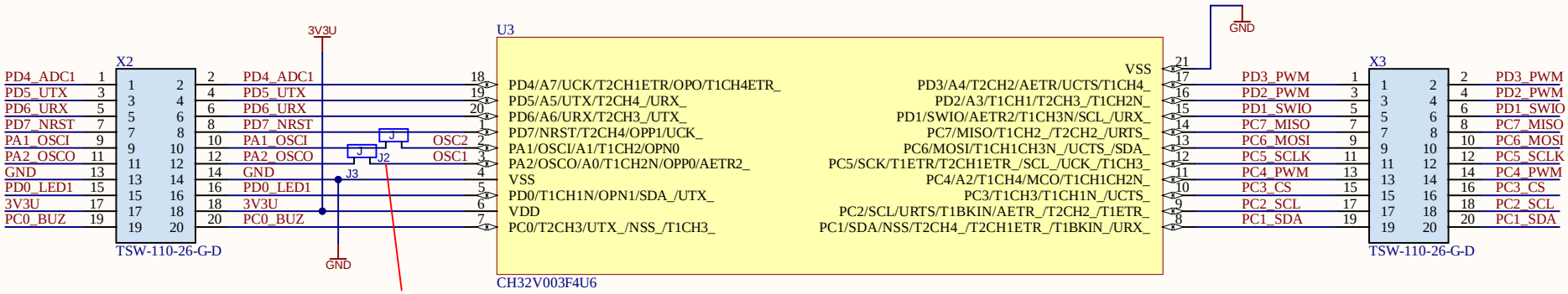
FEEDBACK FROM PROTOTYPE V1.1 TESTING

USB to UART

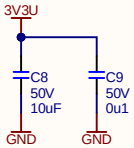
PROJECT: CH32V003 Dev Kit V1.0 (TSSOP20)	**SHEET NAME:** USB to UART **DRAWN BY:** PALLAV AGGARWAL **REVIEWED BY:**	**SHEET** 1 / 4	**REV** 1.1

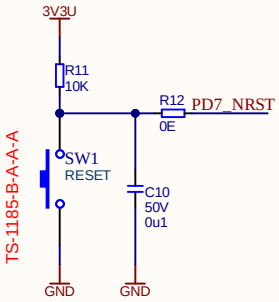


PROJECT: CH32V003 Dev Kit V1.0 (TSSOP20)	**SHEET NAME:** CH32V003 MCU **DRAWN BY:** PALLAV AGGARWAL **REVIEWED BY:**	**SHEET** 2 / 4	**REV** 1.1



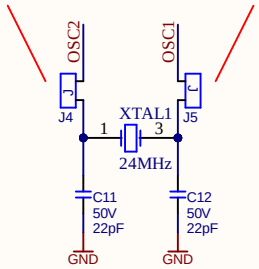
Jumper: to isolate IO connector in case Pins are used for Oscillator





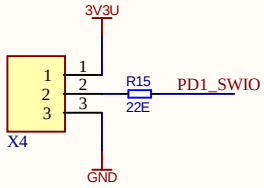
RESET SW

Jumper: to isolate Oscollator in case Pins are used for GPIO/Keys



EXTERNAL OSC

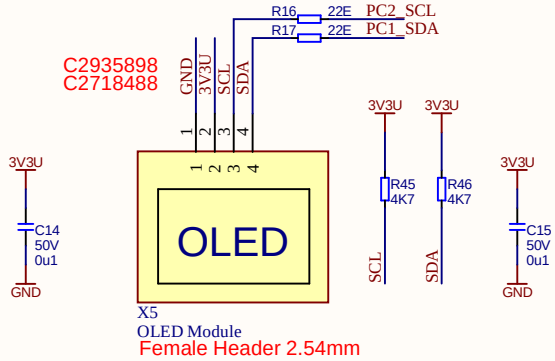
C7424729 18PF



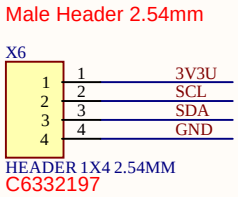
PROGRAMMING CONNECTOR

PROJECT:	CH32V003 Dev Kit V1.0 (TSSOP20)	SHEET NAME: Interfaces	SHEET 3 / 4	REV 1.1
		DRAWN BY: PALLAV AGGARWAL		
		REVIEWED BY:		

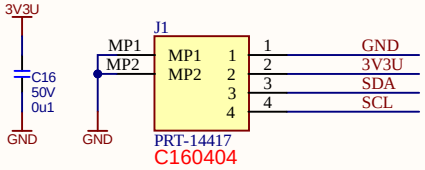
OLED DISPLAY (I2C)



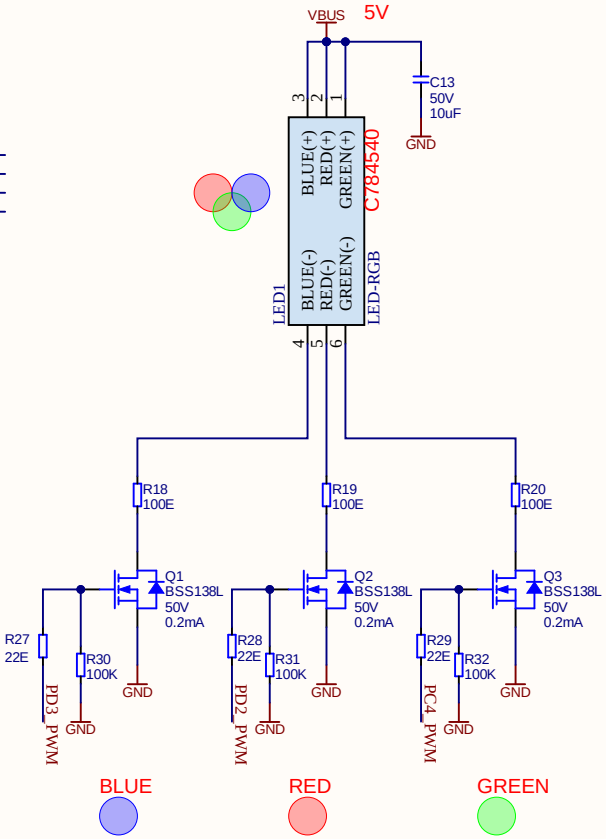
I2C Expansion Header



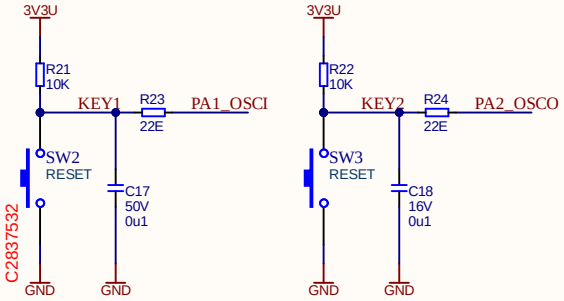
SparkFun's Qwiic Connector



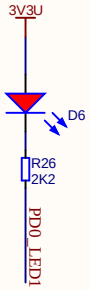
RGB LED (PWM)



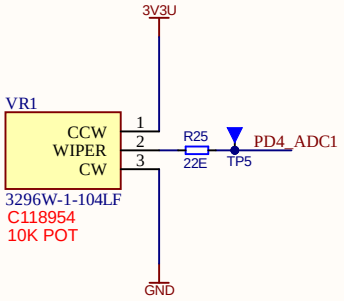
User Keys (GPIO I/P)



User LEDs (GPIO O/P)



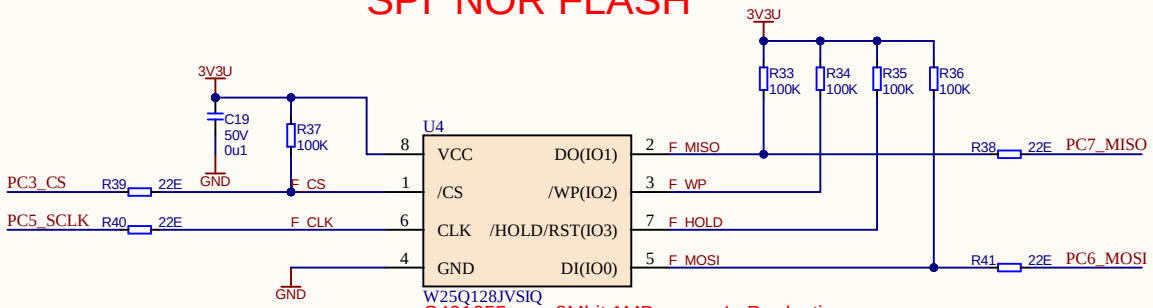
ADC I/P



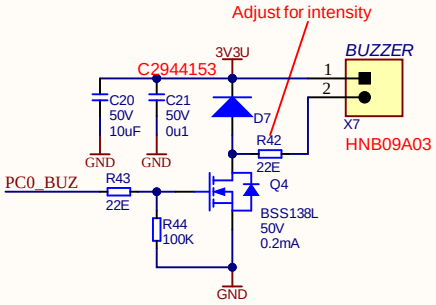
Potentiometer

PROJECT:	CH32V003 Dev Kit V1.0 (TSSOP20)	SHEET NAME: Memory DRAWN BY: PALLAV AGGARWAL REVIEWED BY:	SHEET 4 / 4	REV 1.1

SPI NOR FLASH



Buzzer



Temperature / Humdity Sensor