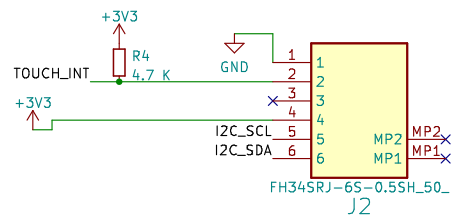
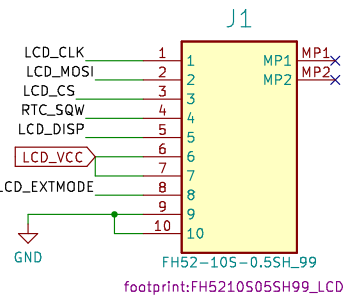


6 FPC Touch I2C connector



10 FPC LCD connector

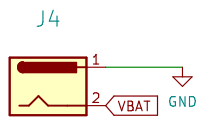


LCD pinout:

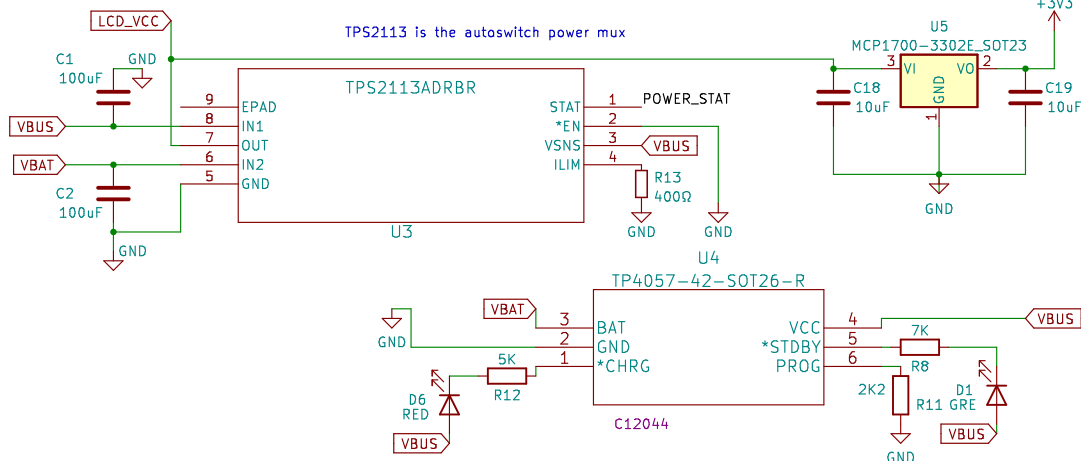
Sharp Memory Display Connector as detailed in Datasheet
https://cdn.sparkfun.com/assets/d/e/8/9/7/LS013B7DH03_datasheet.pdf

Pin	Function	Notes
1	SCLK	Serial Clock
2	MOSI	Serial Data Input
3	CS	Serial Chip Select
4	EXTCOMIN	External COM Inversion Signal <- Fed by RTC_SQW
5	DISP	Display On(High)/Off(Low)
6	VDDA	Analog power supply
7	VDD	Digital 3.3-5.0V (into LDO supply)
8	EXTMODE	COM Inversion Select (Low = SW clock/serial)
9	GND	
10	VSSA	-> GND

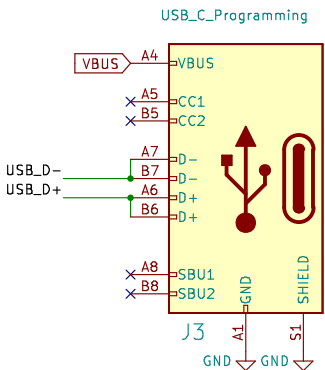
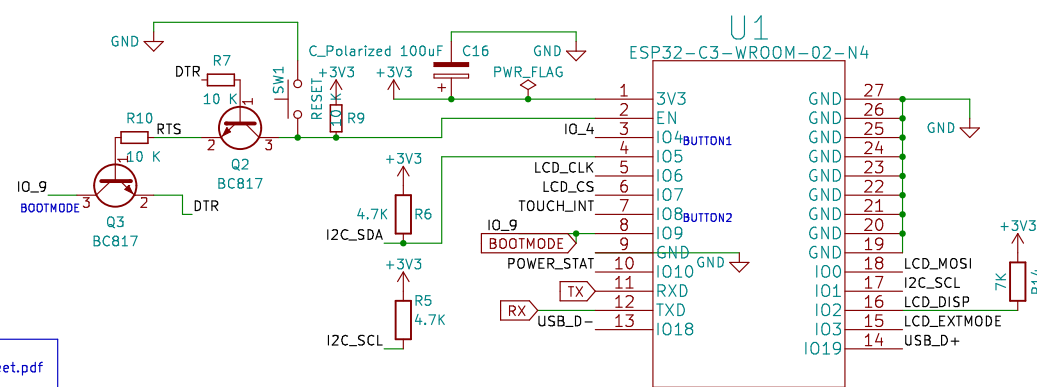
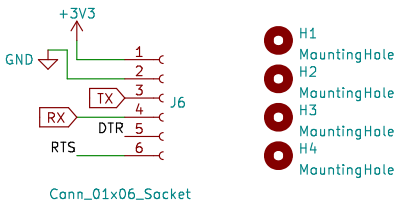
Battery jack



Charge and power management



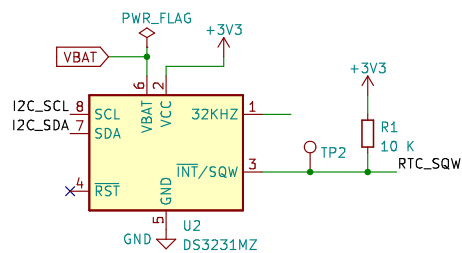
UART CONNECTION



ADC1_CH4 = IO4
Just offered like Touch Point TP1

IMPORTANT: This PCB does not have UART Chip.
USB just connects to the IOs specified in C3-mini datasheet
for USB_D- (18) and USB_D+ (19)
TOUCH_INT IO8 needs to be pulled-high during boot to enter
download mode and be able to program the MCU

DS3231 Real time clock via I2C



T0-D0s for Release 1.1

Thanks to Larry @bitbank2 for testing this PCB!

1. Correct layout so LCD bends nicely
2. Add pull-up to DISP pin in LCD
That way ESP32C3 can go to deepsleep withouth holding IO2 high
3. Change R12 to led to make it consume less and put it on STDBY pin of TP4057