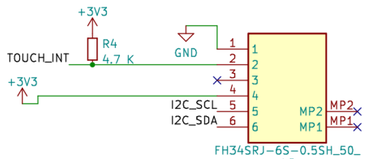
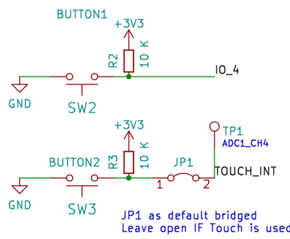
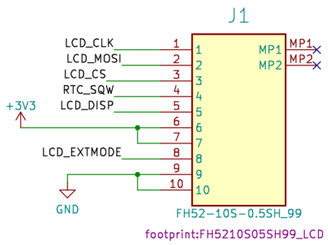
6 FPC Touch I2C connector



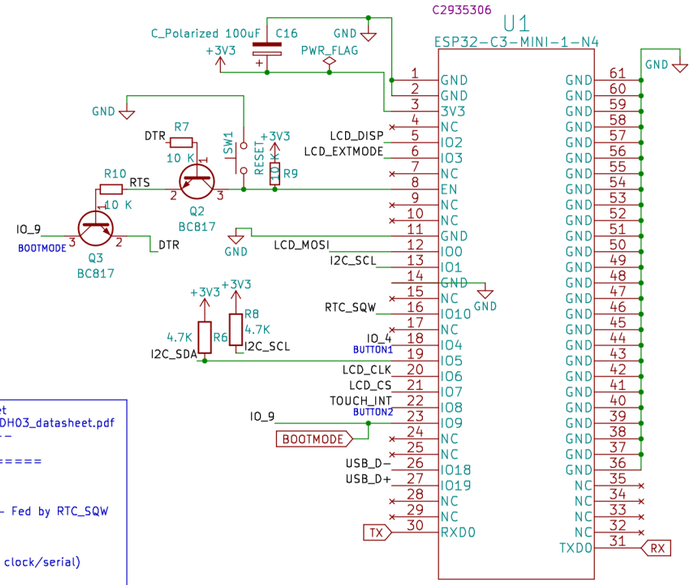


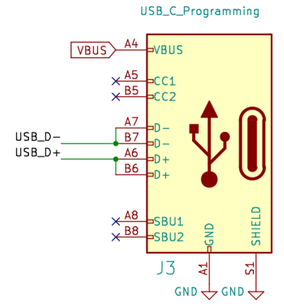
10 FPC LCD connector



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	3V3	3.3V out
7	VIN	3.3-5.0V (into LDO supply)
8	EXTMODE	COM Inversion Select (Low = SW clock/serial)
9	GND	
10	VSSA -> GND	

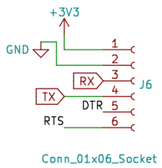




ADC1_CH4 = IO4
Just offered like Touch Point TP1

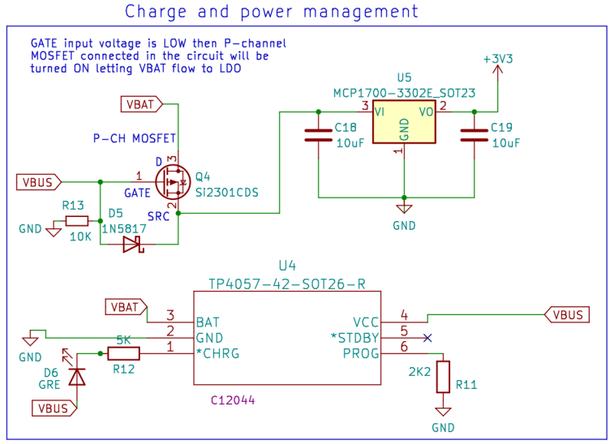
IMPORTANT: This PCB does not have UART Chip.
USB just connects to the IOs specified in C3-mini datasheet for USB_D- (18) and USB_D+ (19)
TOUCH_INT IO8 needs to be pulled-high during boot to enter download mode and be able to program the MCU

UART CONNECTION

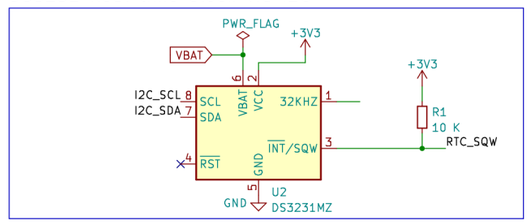


Charge and power management

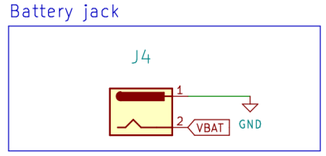
GATE input voltage is LOW then P-channel MOSFET connected in the circuit will be turned ON letting VBAT flow to LDO



DS3231 Real time clock via I2C



Battery jack



H1
MountingHole
H2 Not included in PCB (no space)
MountingHole
H3
MountingHole
H4
MountingHole