

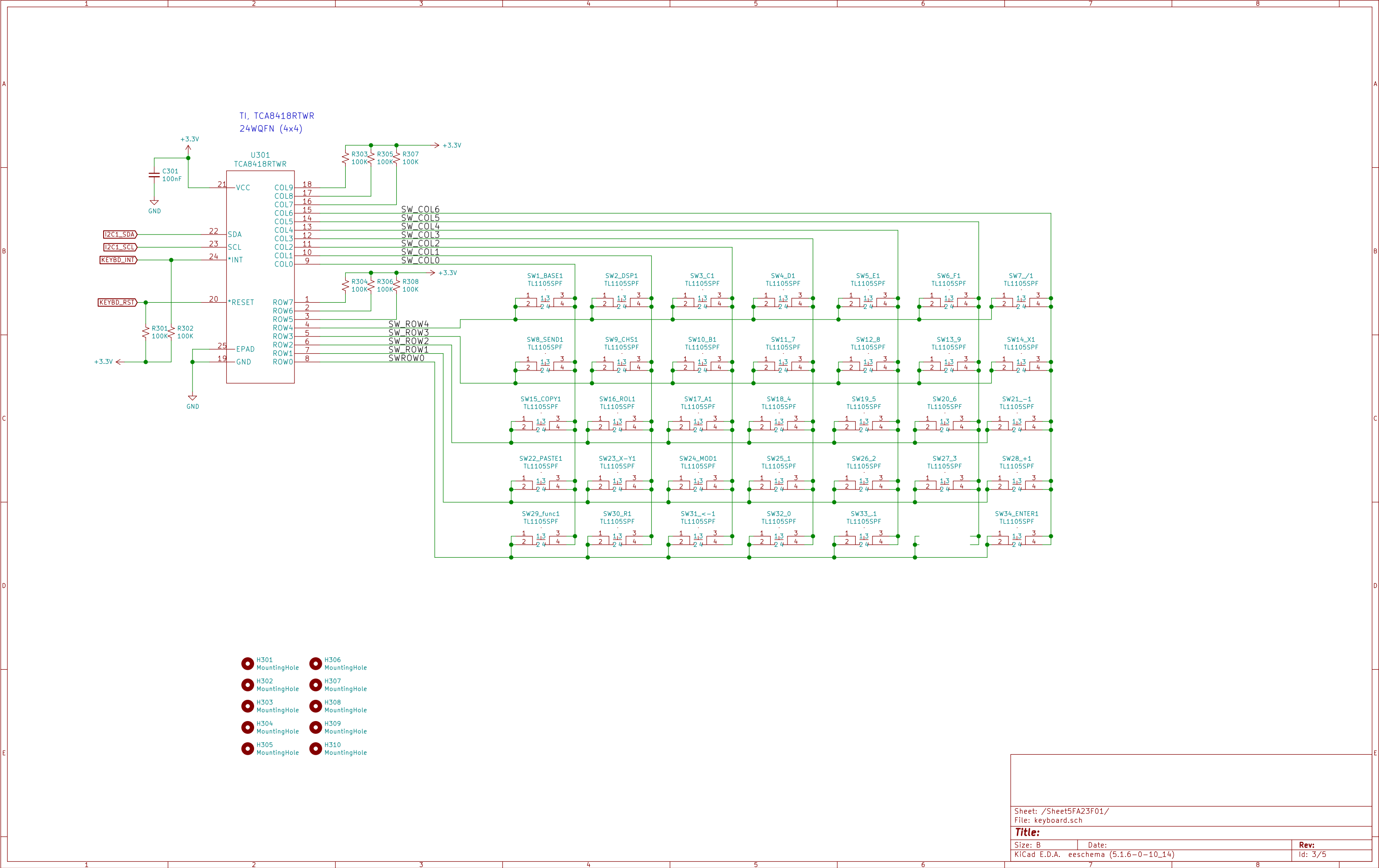
Display board

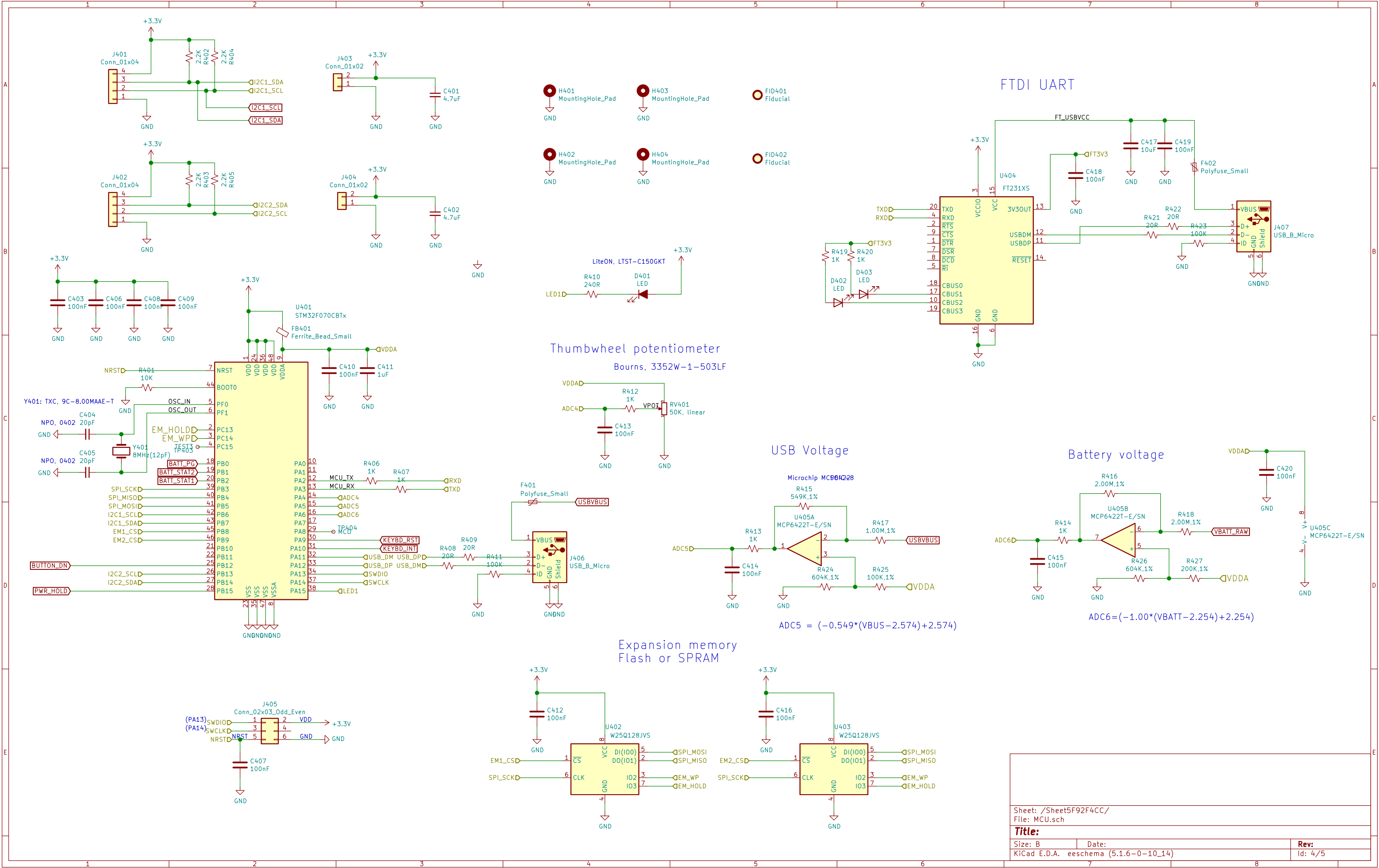
Keyboard

MCU

Power Supply

Sheet: /	
File: RPN_calc_TOPsch.sch	
Title:	
Size: B	Date:
KiCad E.D.A. eeschema (5.1.6-0-10_14)	Rev: Id: 1/5





FTDI UART

Thumbwheel potentiometer
Bourns, 3352W-1-503LF

USB Voltage

Battery voltage

Expansion memory
Flash or SPRAM

C501: Nichicon, UPW1E330MDD, Radial, 2mm

THERM: Vishay, NTHS0603N02N1002JE, 0603

LiPo battery goes here
JST PN: B2B-PH-K-s(LF)(SN)
Digikey 455-1704-ND

Charger current

$$I_{reg} = (1000V/R504)$$

$$R504 = 7.87k, I_{reg} = 127mA$$

$$R504 = 2.2k, I_{reg} = 454mA$$

TI, LM3671-ADJ, SOT23-5
Bournes SRN4018-2R2M
4.0 x 4.0 x 2.0

Add R514 on next version pcb
Rework existing pcbs.

ON/OFF pushbutton

TE, 1-1825027-1
Right Angle PTH

Change to STM6601CM2DDM6F

For 3.0Voutput.

R512= 499K, 1%
C505 = 7.0pF

R2= 100K, 1%
C506 = 33pF

Sheet: /Sheet5F938EEE/
File: Power Supply.sch

Title:

Size: A4

Date:

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