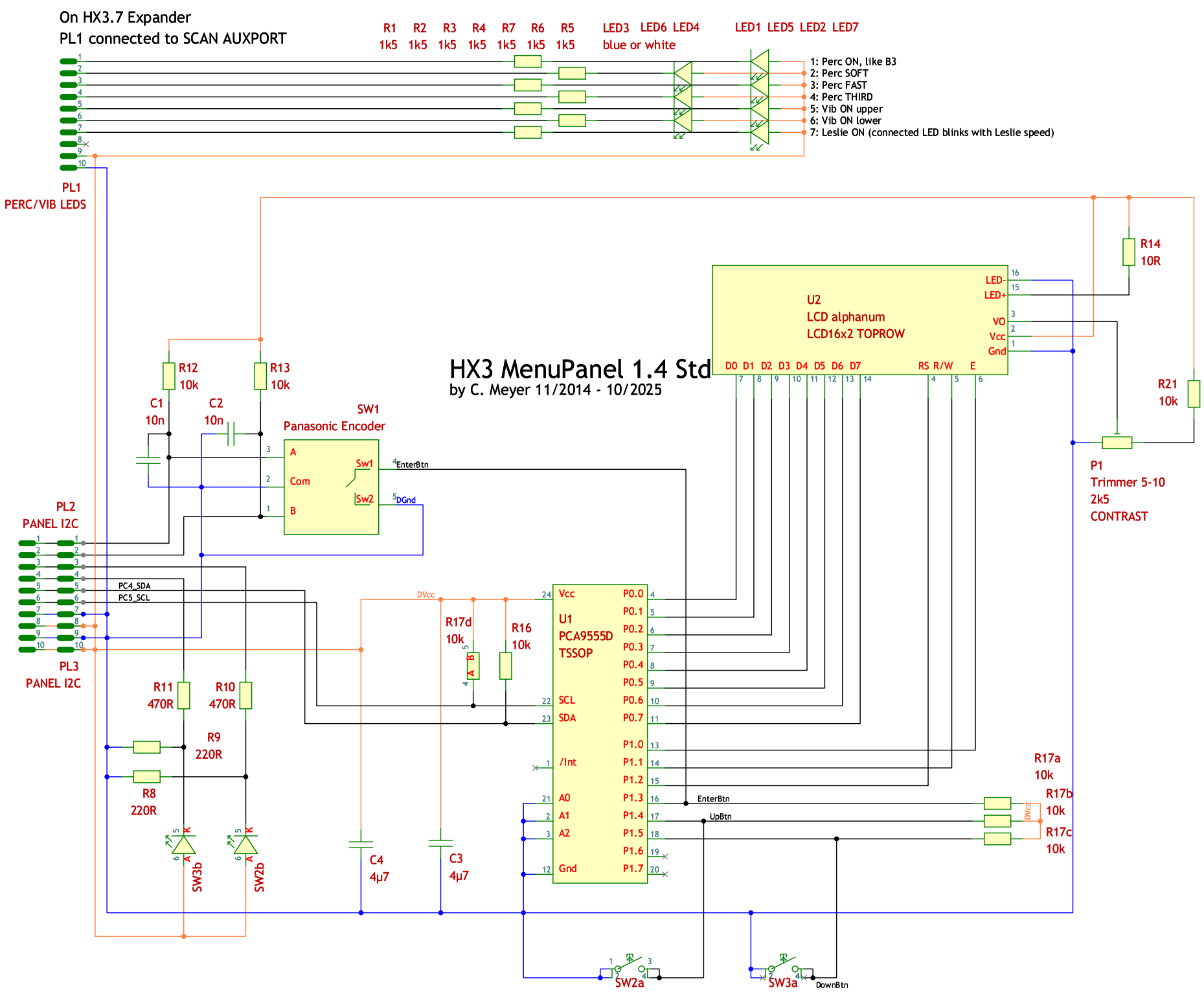

On HX3.7 Expander
PL1 connected to SCAN AUXPORT
R1 1k5
R2 1k5
R3 1k5
R4 1k5
R7 1k5
R6 1k5
R5 1k5
LED3 LED6 LED4
blue or white
LED1 LED5 LED2 LED7
1: Perc ON, like B3
2: Perc SOFT
3: Perc FAST
4: Perc THIRD
5: Vib ON upper
6: Vib ON lower
7: Leslie ON (connected LED blinks with Leslie speed)
PL1
PERC/VIB LEDS
HX3 MenuPanel 1.4 Std
by C. Meyer 11/2014 - 10/2025
U2
LCD alphanum
LCD16x2 TOPROW
LED-
LED+
VO
Vcc
Gnd
D0 D1 D2 D3 D4 D5 D6 D7 RS R/W E
R14
10R
R21
10k
P1
Trimmer 5-10
2k5
CONTRAST
R12
10k
R13
10k
C1
10n
C2
10n
SW1
Panasonic Encoder
A
Com
B
Sw1
Sw2
EnterBtn
DGnd
PL2
PANEL I2C
PC4_SDA
PC5_SCL
PL3
PANEL I2C
DVcc
R17d
10k
R16
10k
U1
PCA9555D
TSSOP
Vcc
SCL
SDA
/Int
A0
A1
A2
Gnd
P0.0
P0.1
P0.2
P0.3
P0.4
P0.5
P0.6
P0.7
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
R11
470R
R10
470R
R9
220R
R8
220R
R17a
10k
R17b
10k
R17c
10k
EnterBtn
UpBtn
SW3b
SW2b
C4
4µ7
C3
4µ7
SW2a
SW3a
DownBtn