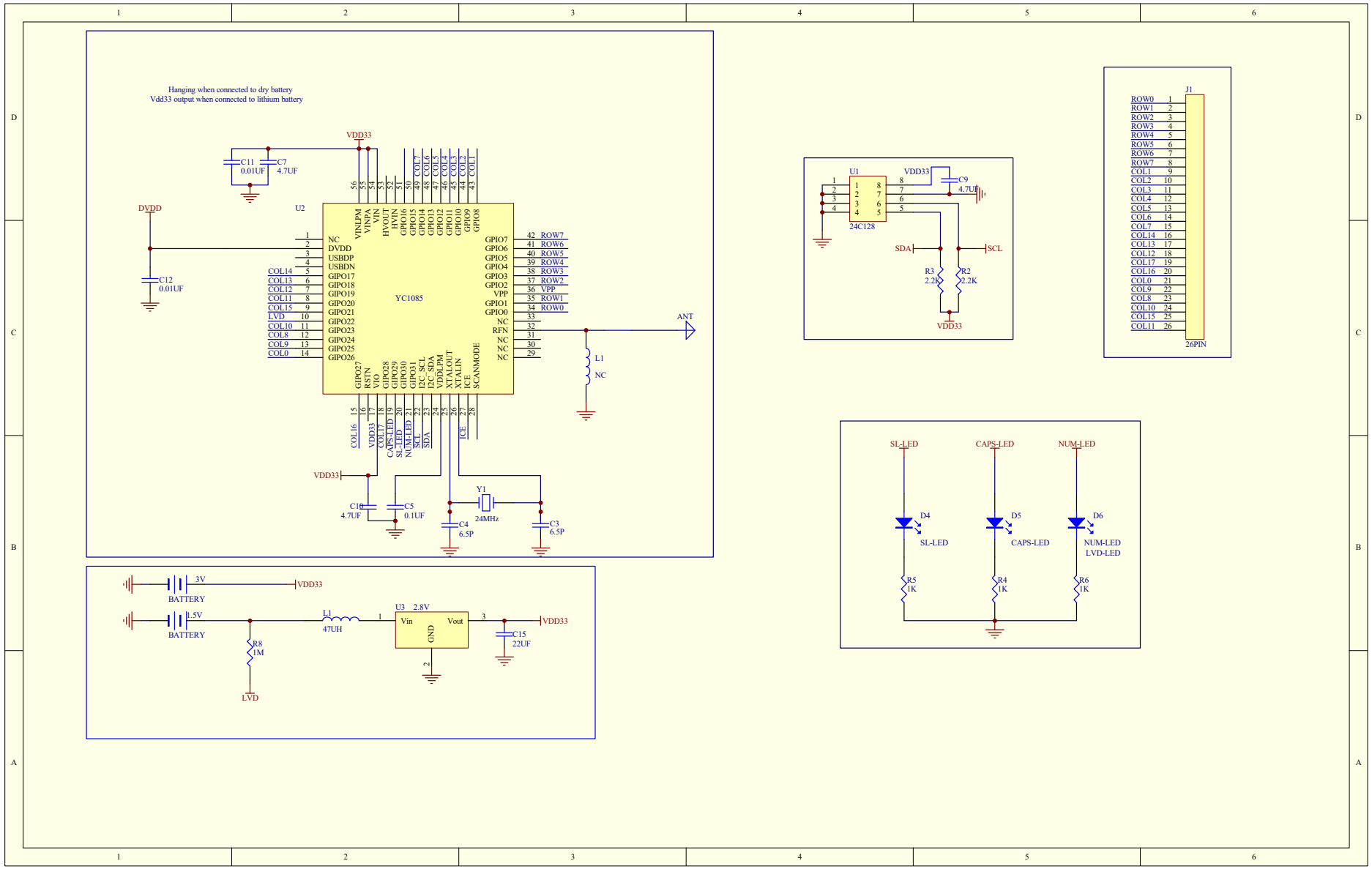
Hanging when connected to dry battery
Vdd33 output when connected to lithium battery
VDD33
C11 0.01UF
C7 4.7UF
DVDD
C12 0.01UF
U2
YC1085
VINLPM 56
VINPA 55
VIN 54
VIN 53
HVOUT 52
HVIN 51
GPIO16 50
GPIO15 49
GPIO14 48
GPIO13 47
GPIO12 46
GPIO11 45
GPIO10 44
GPIO9 43
GPIO8
COL7 COL6 COL5 COL4 COL3 COL2 COL1
1 NC
2 DVDD
3 USBDP
4 USBDN
COL14 5 GIPO17
COL13 6 GIPO18
COL12 7 GIPO19
COL11 8 GIPO20
COL15 9 GIPO21
LVD 10 GIPO22
COL10 11 GIPO23
COL8 12 GIPO24
COL9 13 GIPO25
COL0 14 GIPO26
42 ROW7 GPIO7
41 ROW6 GPIO6
40 ROW5 GPIO5
39 ROW4 GPIO4
38 ROW3 GPIO3
37 ROW2 GPIO2
36 VPP VPP
35 ROW1 GPIO1
34 ROW0 GPIO0
33 NC
32 RFN
31 NC
30 NC
29 NC
GIPO27 15
RSTN 16
VDD 17
COL16 15
VDD33 16
COL17 17
CAPS-LED 18
SL-LED 19
NUM-LED 20
SCL 21
SDA 22
GIPO28 23
GIPO29 24
GIPO30 25
GIPO31 26
I2C_SCL 27
I2C_SDA 28
VDDLPM
XTALOUT
XTALIN
ICE
SCANMODE
ICE
ANT
L1
NC
VDD33
C10 4.7UF
C5 0.1UF
Y1
24MHz
C4 6.5P
C3 6.5P
U1
24C128
VDD33
C9 4.7UF
SDA
SCL
R3 2.2K
R2 2.2K
VDD33
J1
ROW0 1
ROW1 2
ROW2 3
ROW3 4
ROW4 5
ROW5 6
ROW6 7
ROW7 8
COL1 9
COL2 10
COL3 11
COL4 12
COL5 13
COL6 14
COL7 15
COL14 16
COL13 17
COL12 18
COL17 19
COL16 20
COL0 21
COL9 22
COL8 23
COL10 24
COL15 25
COL11 26
26PIN
SL-LED
CAPS-LED
NUM-LED
D4
SL-LED
D5
CAPS-LED
D6
NUM-LED
LVD-LED
R5 1K
R4 1K
R6 1K
BATTERY
3V
VDD33
BATTERY
1.5V
R8 1M
LVD
L1 47UH
U3 2.8V
Vin
Vout
GND
C15 22UF
VDD33