



Rev	Comment	Date
0100	MP release	22. May 2025
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RL78/L23 Fast Prototyping Board

RTK7RLL230S00001BJ

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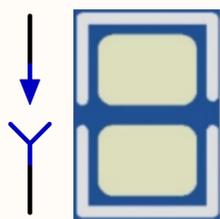
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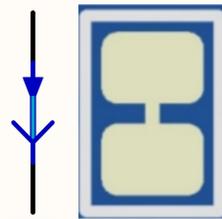
<<Note>>

Figure in below shows Jumper Solder Bridge and Jumper Trace Cut.

(Schematic symbol and footprint)



Jumper Solder Bridge



Jumper Trace Cut

"DNF" marking means that component is not fitted by default.

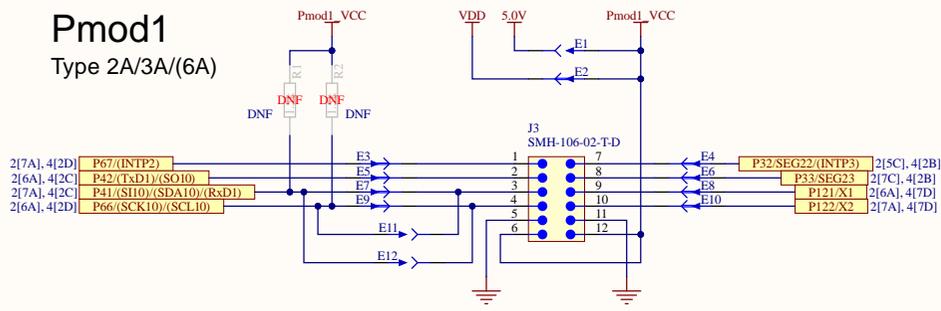


※GND shield

※※Shortest connection and GND shield

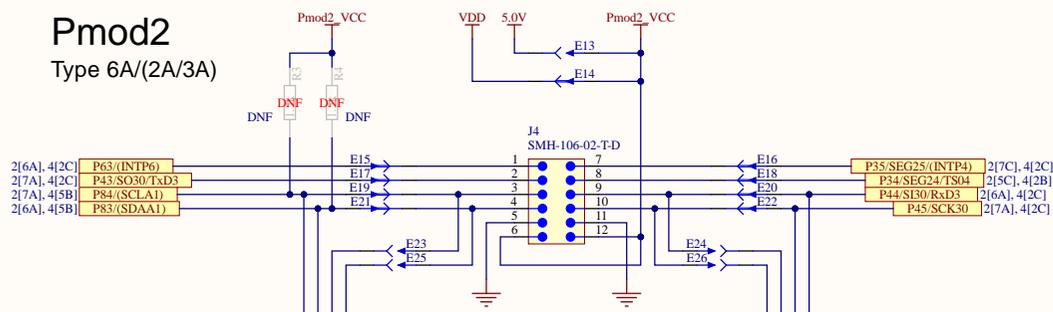
Pmod1

Type 2A/3A/(6A)

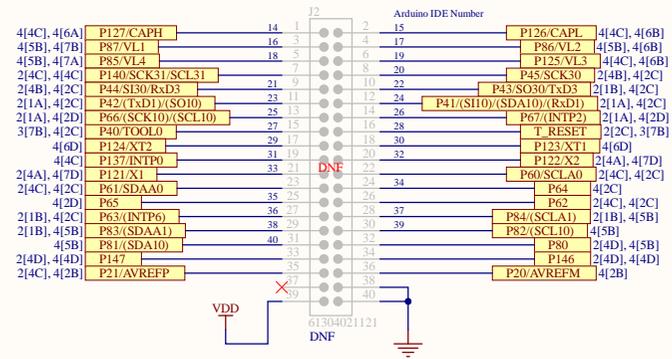


Pmod2

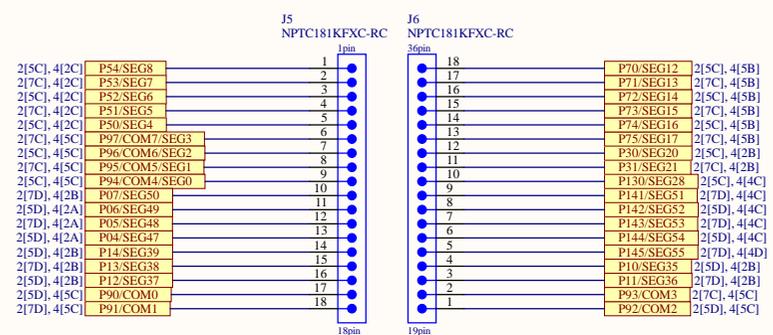
Type 6A/(2A/3A)



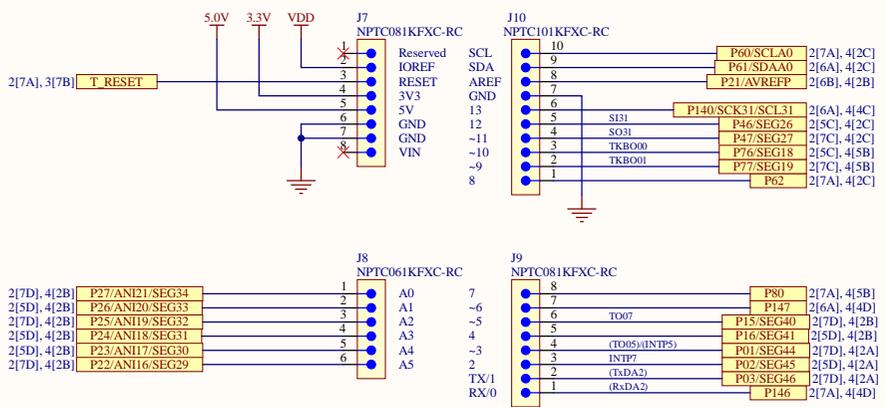
MCU Header



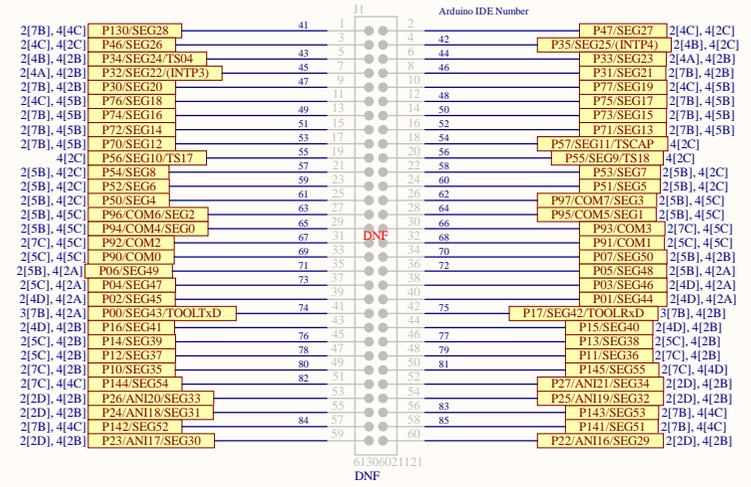
LCD Panel



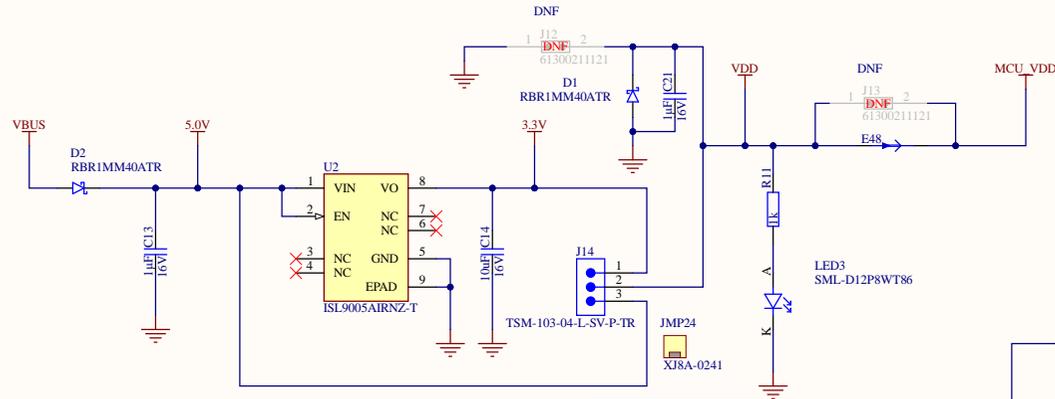
Arduino UNO R3



LCD Header



POWER

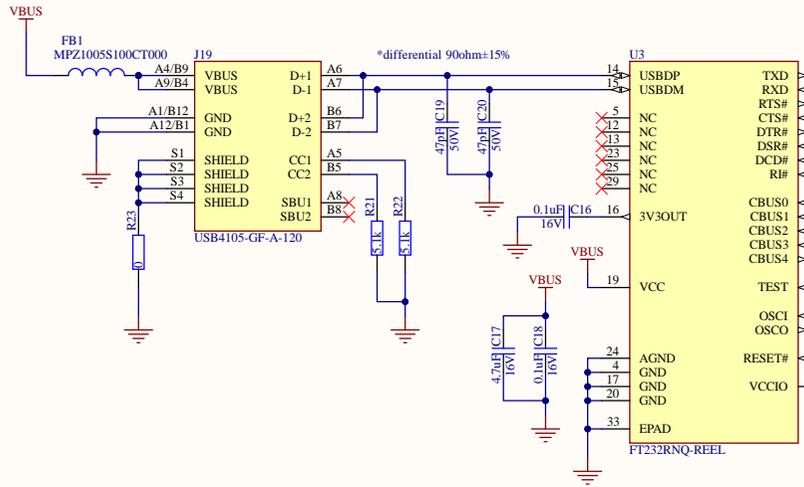


For normal VDD = 3.3V:
Jumper J14 1-2

For VDD = 5V:
Jumper J14 2-3

For VDD = external power supply:
Jumper J14 open

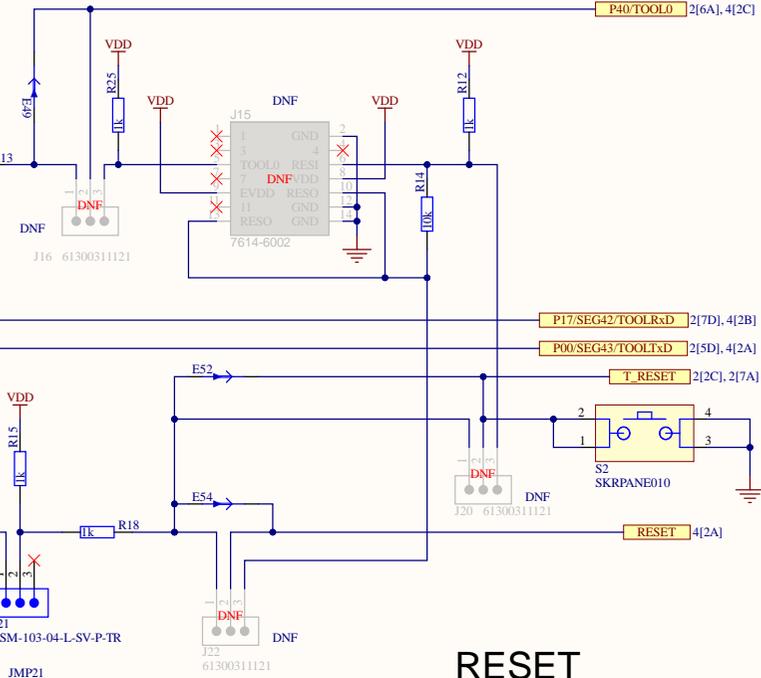
USB-UART



For normal COM port :
Jumper J23 1-2

For MCU alone:
Jumper J23 2-3

Emulator Connector



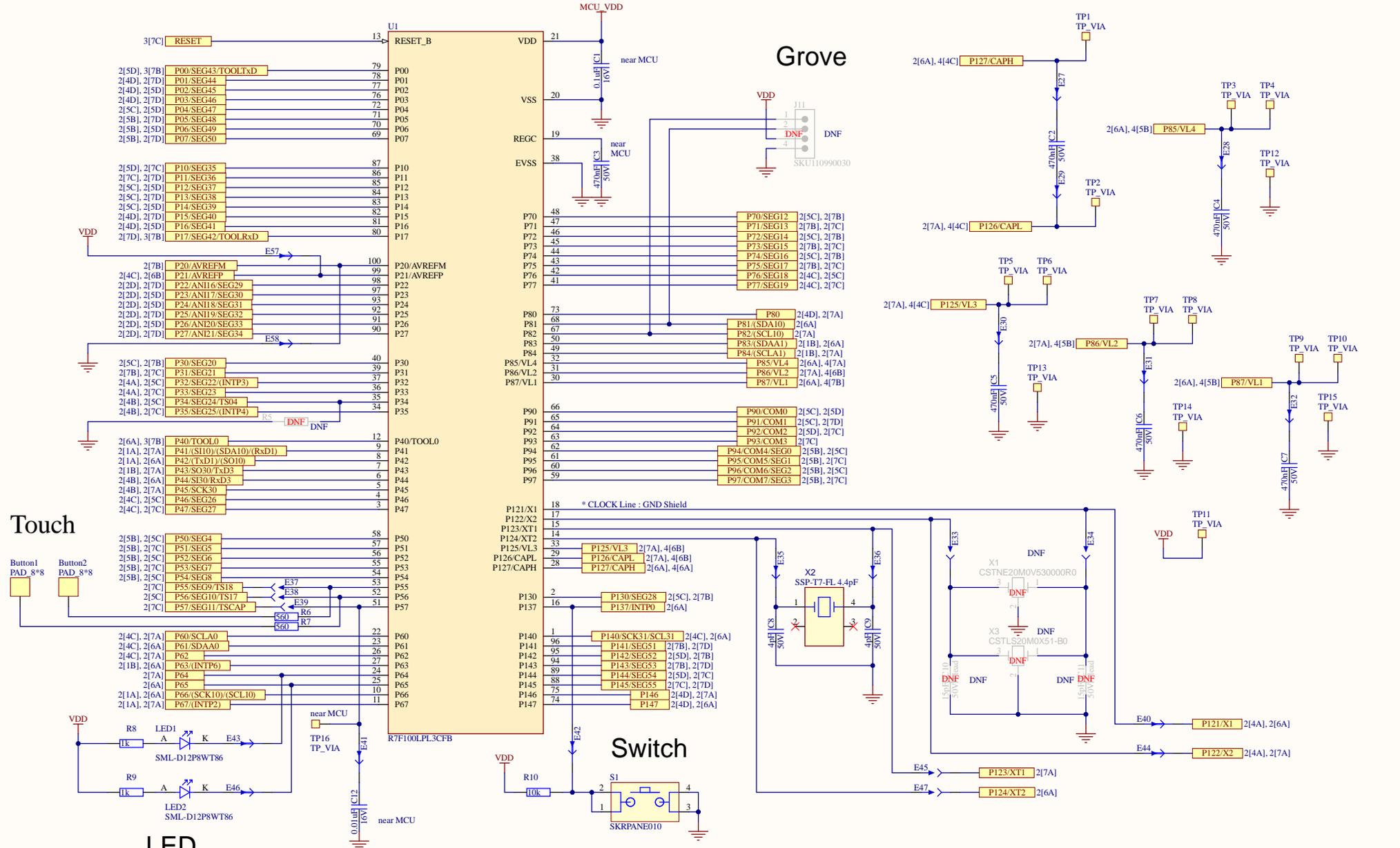
For normal COM port :
Jumper J21 1-2

For serial connection function of QE for Touch:
Jumper J21 2-3

RESET

MCU

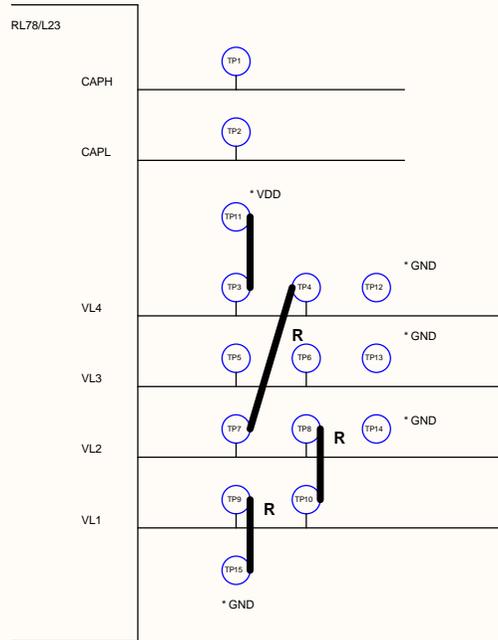
LCD Pattern



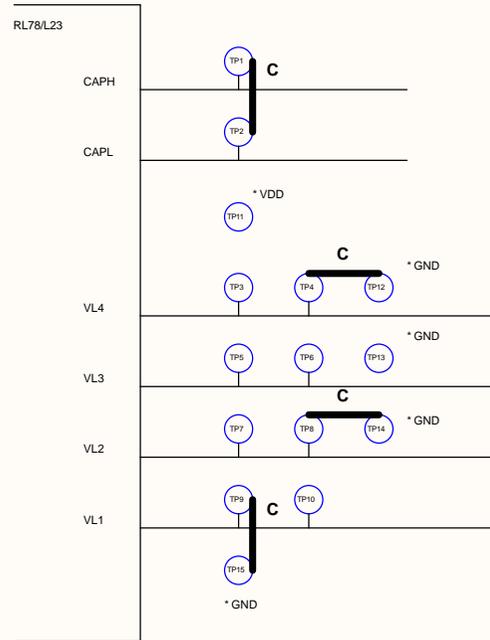
Appendix (User LCD Power Configurations)

In the case of 1/3 bias method

Example-1 External resistance division method



Example-2 Internal Voltage Boosting Method



Example-3 Capacitor Split Method

