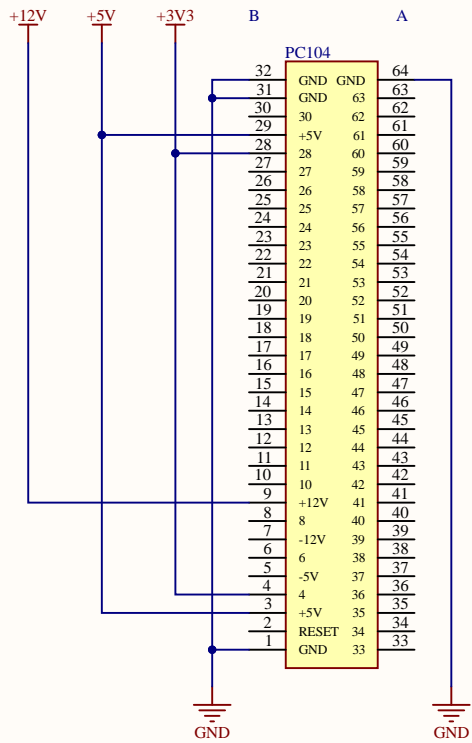


PC/104 8-bit Connector



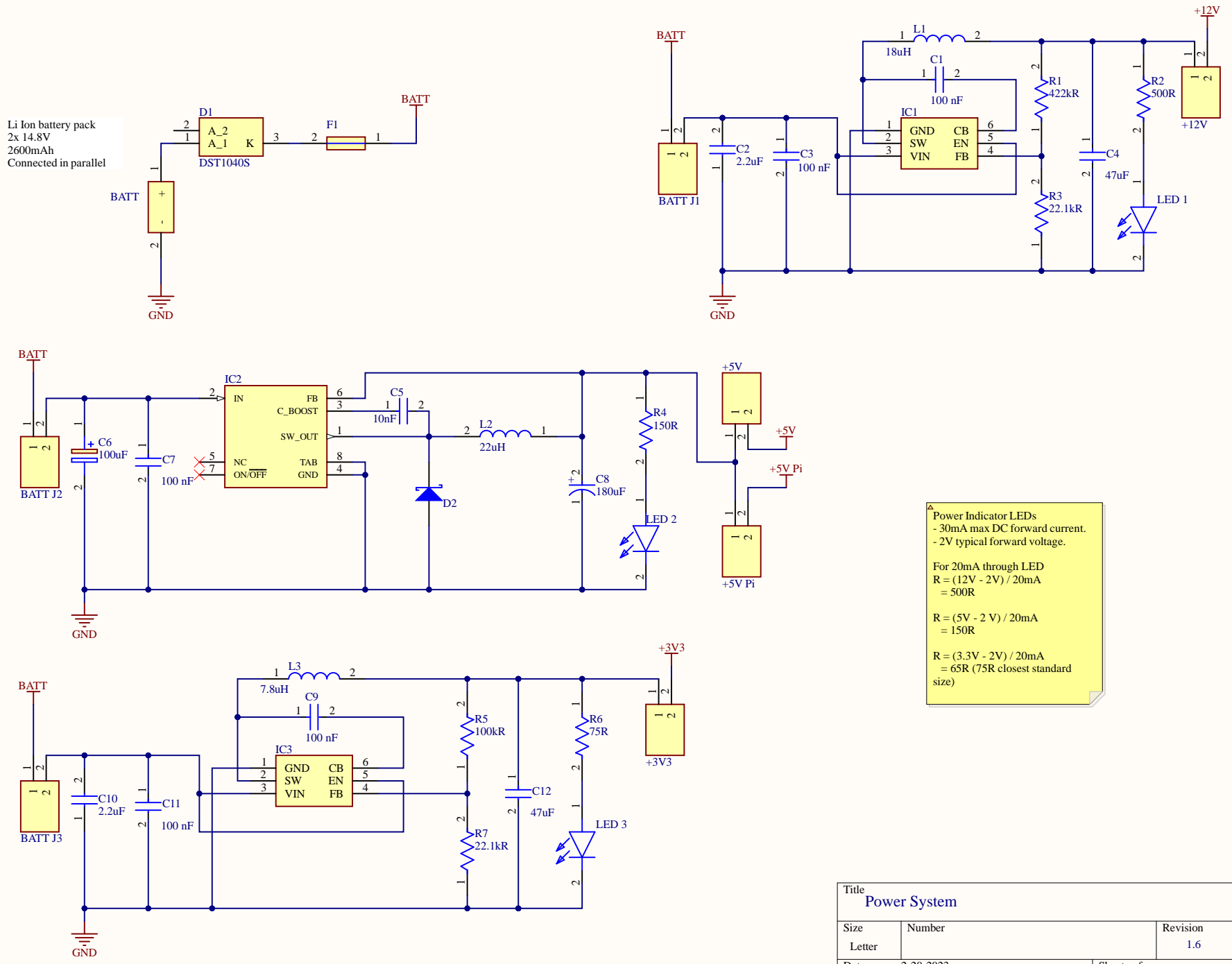
+3V3 pin connections do not line up with PC/104 standard.

The placement of the connector on the PCB lines up with PC/104 standard.

Title PC/104 8-bit Connector		
Size Letter	Number	Revision 1.3
Date:	2-20-2023	Sheet of
File:	C:\Users\...\PC104_Connectors.SchDoc	Drawn By: Noah Grant

Power System

Li Ion battery pack
2x 14.8V
2600mAh
Connected in parallel



Power Indicator LEDs
- 30mA max DC forward current.
- 2V typical forward voltage.

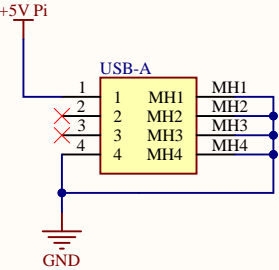
For 20mA through LED
 $R = (12V - 2V) / 20mA$
 $= 500R$

$R = (5V - 2V) / 20mA$
 $= 150R$

$R = (3.3V - 2V) / 20mA$
 $= 65R$ (75R closest standard size)

Title Power System		
Size Letter	Number	Revision 1.6
Date:	2-20-2023	Sheet of
File:	C:\Users\...\Power.SchDoc	Drawn By: Noah Grant

R-Pi Interface



Title R-Pi Power Interface		
Size A4	Number	Revision 1.3
Date:	2-20-2023	Sheet of
File:	C:\Users\...\R-Pi3.SchDoc	Drawn By: Noah Grant