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**PublicInvention**

Sheet: /USB\_UART/  
File: USB\_UART.kicad\_sch

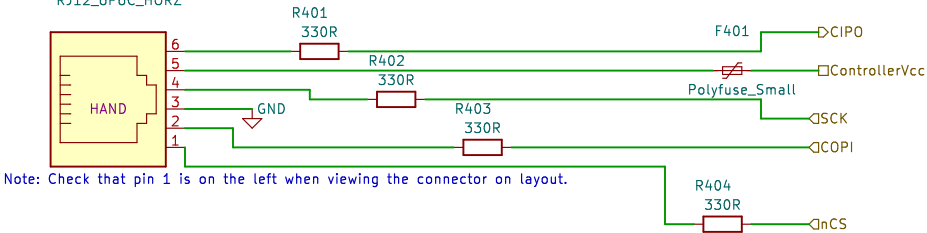
**Title: GeneralPurposeAlarmDevicePCB**

Size: USLetter Date: 2023-04-25  
KiCad E.D.A. kicad (6.0.6)

**Rev: 2.2**  
Id: 2/6

SPI Peripheral Interface

```
/* Hardware Notes Peripheral
SPI Line Pin in Arduino, IO setup
MOSI 11 or ICSP-4 Input, ATmegaPin BP3, 17
MISO 12 or ICSP-1 Output, ATmegaPin BP4, 18
SCK 13 or ICSP-3 Input, ATmegaPin BP5, 19
SS 10 Input, ATmegaPin BP2, 16
*/
J401
RJ12_6P6C_HORZ
```



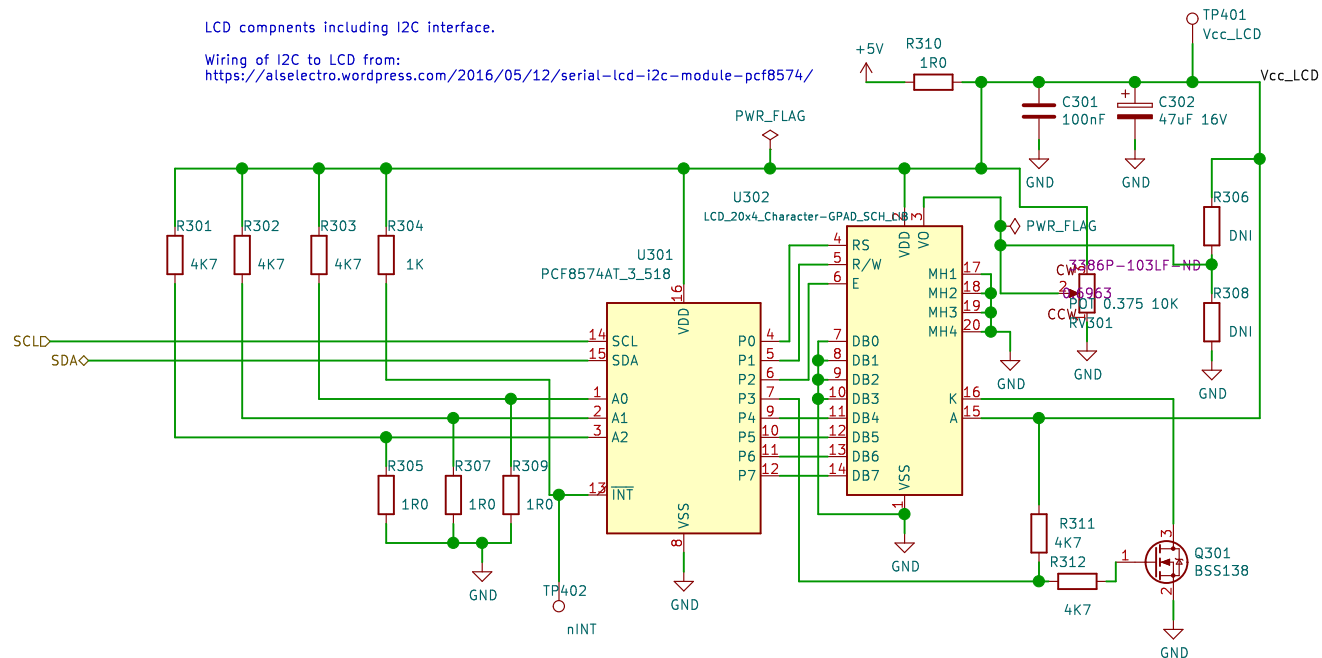
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Sheet: /SPI Peripheral/  
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LCD compnents including I2C interface.

Wiring of I2C to LCD from:  
<https://alselectro.wordpress.com/2016/05/12/serial-lcd-i2c-module-pcf8574/>



MF401 Screw\_4-40\_0.375\_Phillips MF404 Screw\_4-40\_0.375\_Phillips MF407 Screw\_4-40\_0.375\_Phillips MF410 Screw\_4-40\_0.375\_Phillips

MF402 Spacer\_0.0182x0.125 inch MF405 Spacer\_0.0182x0.125 inch MF408 Spacer\_0.0182x0.125 inch MF411 Spacer\_0.0182x0.125 inch

MF403 Nut\_4-40\_Lock\_External-Tooth MF406 Nut\_4-40\_Lock\_External-Tooth MF409 Nut\_4-40\_Lock\_External-Tooth MF412 Nut\_4-40\_Lock\_External-Tooth

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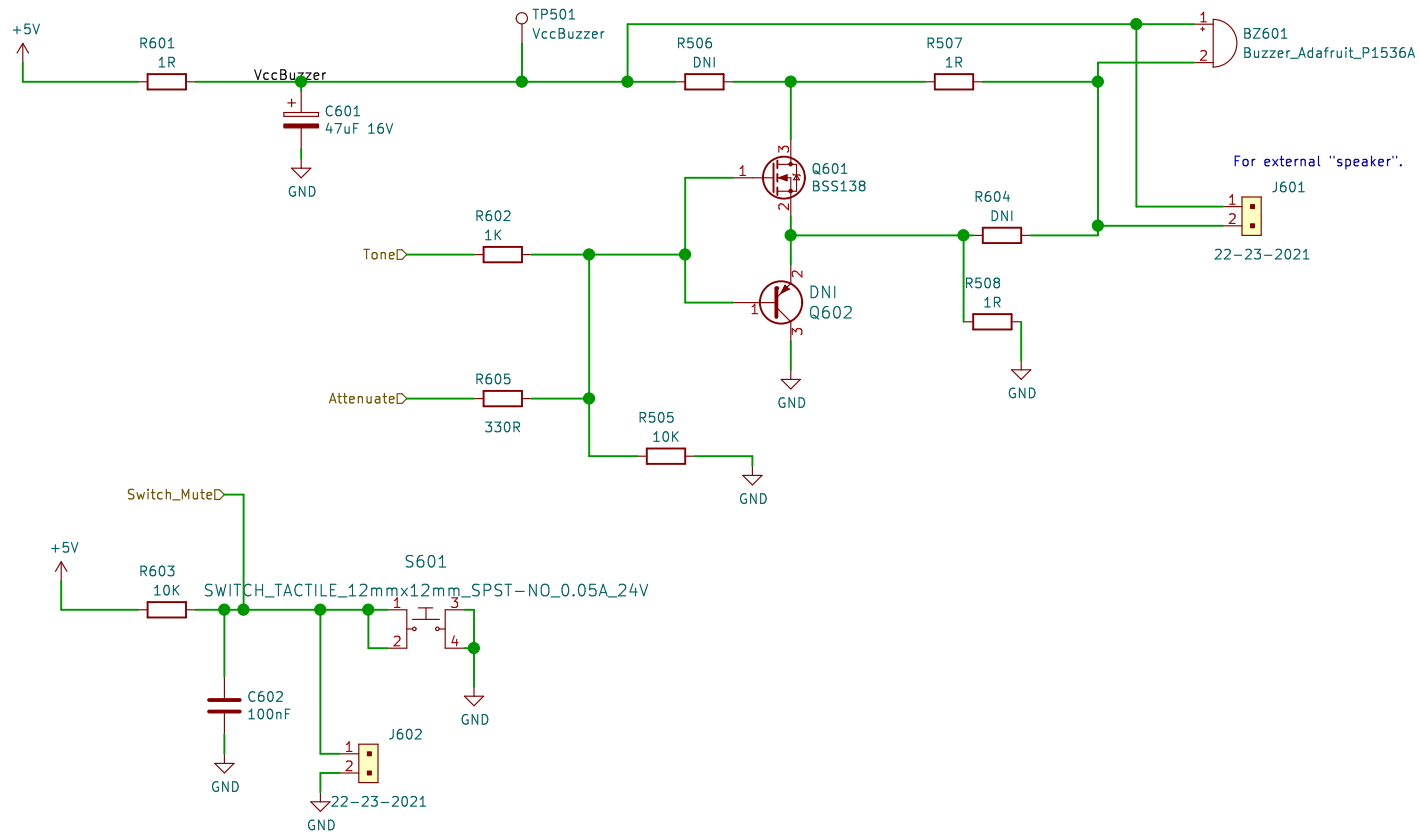
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Sheet: /LCD And I2C Interface/  
 File: LCD And I2C Interface.kicad\_sch

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Sheet: /AlarmAudio/  
 File: AlarmAudio.kicad\_sch

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