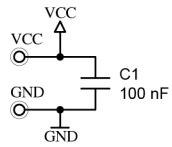
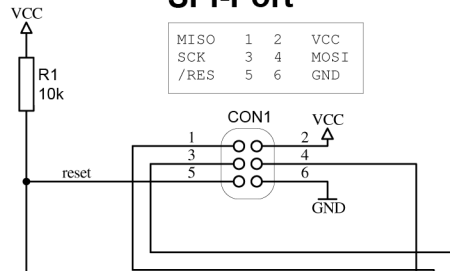


**Supply
3 V=**



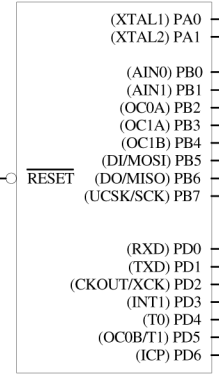
SPI-Port

| | | | |
|------|---|---|------|
| MISO | 1 | 2 | VCC |
| SCK | 3 | 4 | MOSI |
| /RES | 5 | 6 | GND |



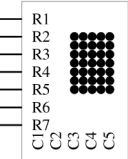
Processor

U1
ATtiny4313



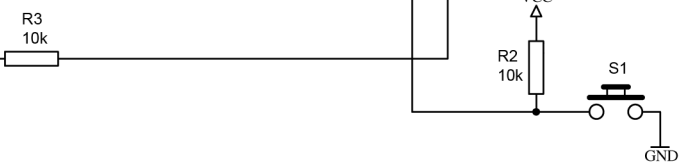
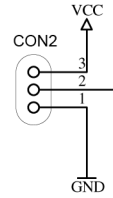
Dot-Matrix

U2
TC07-11EWA



Alternative display HDSP-5403
Turn display 180° so that pin 7 (instead of pin 1) is soldered to the rectangular pad.
Connections are then:
1 PB6 row1 cathode
2 PB5 row2 cathode
3 PB4 col2 anode
4 PB3 col1 anode
5 PB2 row6 cathode
6 PB1 row7 cathode
7 PD4 col3 anode
8 PD3 row5 cathode
9 PD2 col4 anode
10 PA0 row4 cathode
11 PA1 row3 cathode
12 PD1 col5 anode

**RS232
3,3 V**



Hacklace Rev. B
Fabster / RaumZeitLabor Mannheim