



| Title |                             |           |
|-------|-----------------------------|-----------|
| Size  | Number                      | Revision  |
| A4    |                             |           |
| Date: | 27.3.2019                   | Sheet of  |
| File: | C:\Users\...\DigiFab.SchDoc | Drawn By: |

| Comment        | Description  | Designator     | Footprint            | LibRef         | Quantity |
|----------------|--|----------------|----------------------|----------------|----------|
| Cap            | Capacitor, 100nF   | C1, C2         | 6-0805_M             | Cap            | 2        |
| PWR_STATUS     | Typical RED,<br>GREEN, YELLOW,<br>AMBER GaAs LED   | D1             | 3.2X1.6X1.1          | LED2           | 1        |
| MCU_STATUS     | Typical RED,<br>GREEN, YELLOW,<br>AMBER GaAs LED   | D2             | 3.2X1.6X1.1          | LED2           | 1        |
| Diode          | Default Diode  | D3             | SMC                  | Diode          | 1        |
| Pump_conn      | Header, 2-Pin  | P1             | HDR1X2               | Header 2       | 1        |
| USB            | Mini USB   | P2             | HDR1X5               | Header 5       | 1        |
| Header 15      | Header, 15-Pin   | P3, P4         | HDR1X15              | Header 15      | 2        |
| ISP            | Header, 3-Pin,<br>Dual row   | P5             | HDR2X3               | Header 3X2     | 1        |
| MOSFET-N       | N-Channel<br>MOSFET  | Q1             | SOT95P245X110-<br>3N | MOSFET-N       | 1        |
| Res2           | Resistor   | R1, R2, R3, R4 | C1206                | Res2           | 4        |
| ATmega328P-MUR | 8-bit AVR<br>Microcontroller,<br>32KB Flash, 1KB<br>EEPROM, 2KB<br>SRAM, 32-pin MLF,<br>Industrial Grade (-<br>40°C to 85°C), Reel | U1             | 32M1-A_N             | ATmega328P-MUR | 1        |
| XTAL           | Crystal Oscillator   | Y1             | R38                  | XTAL           | 1        |
|                |  |                |                      |                |          |