Adafruit LoRa FeatherM0 Rain and Soil Schematic v2024-05-01 BMP280 BMP388 BME288 Barometic Pressure Barometic Pressure Barometic Pressure Altitude Sensor Altitude Sensor Altitude Sensor Temperature Temperature Temperature Pinouts Humidity Adafruit OLED 128x32 Soil Moisture Sensor 2 DS18B20 Onewire RST I2C 7-bit address I2C 7-bit address I2C 7-bit address Display SSD1306 DF Robot SEN0193 Temperature 2 3v3 Default = 0x77Default = 0x77Default = 0x76Pin 1 GND I2C 7-bit address 0x3C Pin 1 GND ARef SD0 to GND = 0x77SD0 to GND = 0x76SD0 to GND = 0x76Pin 2 3.3V Pin 2 DQ GND Pin 3 Sens Pin 3 3.3V A0 Soil Moisture Sensor 1 A1 Dallas Sensor 1wire 1 A2 Soil Moisture Sensor 2 128x32 OLED A3 Dallas Sensor 1wire 2 A4 Enable Serial Console - Gound Pin A5 OLED Reset 24 SCK SPI0 Clock- SD/LoRA 24 MOS SPI0 MOSI - SD/LoRA 22 MIS SPIO MISO - SD/LoRA 0 RX 1 TX Console Enable Jumper io1 Jump Pin A4 to Ground **BAT VBAT** En - Connect to ground to disable the 3.3v regulator **USB VBUS** 13 LED S S 3 G RT3G AA3G AA3G 12 Not in Use XXVN 45 V N CDVN 23 V N 11 Enable Soil Moisture 2n2222 or 2N3904 X X 3 D LA3D 3 D 10 SD CS 9 Does not behave - not using 6 Not in Use Optional Soil Moisture Power Control 5 Rain Gauge Interrupt (put 10k-50k resistor to gnd, when not using) Pin D11 21 SCL i2c - RTC/BMX 20 SDA i2c - RTC/BMX Transistor 2N2222 Pin 1 Collector - load placed before Pin 2 Base - with 1K resistor Pin 3 Emitter - tied to ground Feather Adalogger Shield Pin - D10 SD CS Pin - SPI MOSI N Pin - SPI MISO Pin - SPI CLK Pin - SDA Pin - SCL G3SS G3DD G3DD G3AA Rain Gauge (D5) NVDC N V 3 2 N V 5 4 N V 1 0 SS451A Omnipolar D3AL D 3 D 3 D 3 Digital Hall-effect Sensor Soil Moisture Sensor 1 DF Robot SEN0193 Pin 1 GND Pin 2 3.3V Pin 3 Sens DS18B20 Onewire Temperature 1 Pin 1 GND Pin 2 DQ

Pin 3 3.3V