OpenGarden RF Node

Battery Charge

SOLAR
GND
IC2 REG+5V
GND2 VIN VOUT GND1
C1 47u
GND
GND

IC1
DC BAT
CHG
USB GND
MAX1555

1K R1
LED_RED
GND

+3V3
C2 47u
GND

GND P$1 P$2 P$3
BATT_CON
DF13-3P-1.25H

USB_CHARGE
C3 47u
GND
GND

+3V3
3K3 R7
LED_GREEN
GND

Microcontroller ATtiny84

+3V3
C4 100n
GND
GND

HOLDER_ATTINY84

VCC	(PCINT11/~RESET/DW)PB3	4 RESET
	(PCINT10/INT0/OC0A/CKOUT)PB2	5 D2
	(PCINT9/XTAL2)PB1	3 D1
	(PCINT8/XTAL1/CLKI)PB0	2 D0
	(PCINT7/ICP/OC0B/ADC7)PA7	6 D3/A7
	(PCINT6/OC1A/SDA/MOSI/ADC6)PA6	7 D4/A6
	(PCINT5/OC1B/MISO/DO/ADC5)PA5	8 D5/A5
	(PCINT4/T1/SCL/USCK/ADC4)PA4	9 D6/A4
	(PCINT3/T0/ADC3)PA3	10 D7/A3
	(PCINT2/AIN1/ADC2)PA2	11 D8/A2
	(PCINT1/AIN0/ADC1)PA1	12 D9/A1
GND	(PCINT0/AREF/ADC0)PA0	13 D10/A0

14 GND

ATTINY84ATTINY84-20PU

Transceiver

GND
10K R3
10K R4
10K R5
+3V3 VDD

D1 SEL
D6/A4 SCK
D5/A5 SDI
D4/A6 SDO
D2 IRQ

RFM12B
VCC
FFS
ANT
GND
GND

GND
GND
U.FL-CON

Sensor Connections

D0

LDR

1K R2
GND

D3/A7

R6 10K
D10/A0
GND

1 DHT22_VCC
2 DHT22_DATA
3 DHT22_GND
DHT22

D8/A2
GND

1 MOIST_VCC
2 MOIST_DATA
3 MOIST_GND
MOIS