Arduino Pro Mini

RFM69

16	DIO2	GND	1
15	DIO1	MISO	2
14	DIO0	MOSI	3
13	3.3V	SCK	4
12	DIO4	NSS	5
11	DIO3	RESET	6
10	GND	DIO5	7
9	ANT	GND	8

Arduino Pro Mini (center block, left pins)

D10, MOSI, MISO, A6, SCK, A7, A0, D15, D16, SDA, D17, SCL, VCC, RST, GND, RAW

Arduino Pro Mini (center block, right pins)

D9, D8, D7, D6, D5, D4, D3, D2, GND, RST, D0, D1

R 2.7K

2.2K

3.3V ONLY

AA1

AA2

J

Thermometer IC or breakout

3.3V
SDA
SCL
GND

TMP102

3.3V
SDA
SCL
GND

either circuit for D3/D4
is supported by the sketch

D4 ——— Battery Extender
D3 ——— (documented in LTSpice)

D4
D3

HIH6130

8	3.3V	
2	Vcore	
4	SDA	
3	SCL	
2	GND	

.1uF
C

Si7021

3.3V
SDA
SCL
GND

SHT40

3.3V
SDA
SCL
GND

For battery operation:

1. Put an AA cell in each cell holder AND

2. Remove solder jumper SJ1 on the pro mini so the LED won't drain the cells

There are several 0.1" spacing I2C headers for various temperature sensors. And there are SMT pads for the HIH6130, Si7021 and the TMP102

	Company Name
	Schematic Name
Wayne Wright	Rev 8.0
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