

Board : **PowerManagementMysensors**

Prototype : **1**

Parts	Value	Package	Description	SUPPLIER	Qty	ID_DIGIKEY
APM	ARDUINO_PROMINI	ARDUINO_PROMINI	Arduino pro mini 3,3v	Arduino	1	
NRF_SMD	NRF24L01+SMD_MODULE	SMD_MODULE	NRF24 L01+ th/smd module OR	Nordic	1	
RFM69	RFM69	RFM69W-MINPADS	RFM69 smd module	Hoperf	1	
ATSHA	ATSHA204A	SOT23	Authentication	Atmel	1	
IC2	AT25DF512C-SSHN-B	SO-08	Serial EEPROM 4K/ 8K , SPI bus	Adesto	1	
C1	to define	1206	Capacitor for storage		1	
COUT	10n	1206	Capacitor		1	
C2, C3	10u	1206	Capacitor		2	
CIN, C12	4u7	1206	Capacitor		2	
D6	BAT54C	SOT-23	Dual DIODE	NXP	1	
D2	BZT52H-B3V6	SOD-123	Diode	NXP	1	
D1, D3	LL103A-GS08TR-ND	SOD80	DIODE	Vishay	2	
L1, L2	MLZ2012M4R7WT 4.7uH	0805	Inductors	TDK	2	
R3, R5, R6, R9	10k	1206	Resistor		4	
R4	470k	1206	Resistor		1	
R10	47r-100r	1206	Resistor		1	
R7, R8	4k7	1206	Resistor		2	
R2	562k	1206	Resistor		1	
R1	976k	1206	Resistor		1	
U1	LM8364BALMF20	SOT95P284X122-5N	Micropower Undervoltage Sensing Circuits	National	1	
U2, U3	SI2399DS-T1-GE3	SOT95P237X112-3N	P-Channel 20-V (D-S) MOSFET	VISHAY	2	
U4	MCP1640BT-I/CHY	SOT95P270X145-6N	Synchronous Boost Regulator	Microchip	1	
U5	TPS61222DCKT	SOT65P210X110-6N	LOW INPUT VOLTAGE STEP-UP CONVERTER	TI	1	
U\$5	ANTENNA	ANTENNA	wire		1	
BATT	JST 2-Pin	JST-PH-2-THM	JST 2-Pin		1	
AVRSPI	AVRSPI	2X03	PIN HEADER		1	
JP1, JP5, JP6, JP7	JUMPER-3PTH	1X03	Header 3		4	
J1, J2, J3, J4, J5, J6, J10		1X04	Header 4		7	
J7, J8		1X05	Header 5		2	
J9		1X07	Header 7		1	
Total / PCB					49	