PMon Uno rev B – BOM

Quantity	Value	Type	Package	Part Numbers	Source	Source Part #	Comments
1	0.025 ohm 1%	Kelvin resistor		R4	Digikey	FC4L64R025FERCT-ND	Ohmite FC4L64R025FER
5	3.3K 5% 1/10W	Resistor	0603	R9, R10, R11, R12, R13	Digikey	311-3.3KGRCT-ND	Generic part
1	3.3K 1% 1/10W	Resistor	0603	R7	Digikey	311-3.30KHRCT-ND	Generic part
2	4.7K 5% 1/10W	Resistor	0603	R2, R3	Digikey	311-4.7KGRCT-ND	Generic part
1	8.2K 1% 1/10W	Resistor	0603	R6	Digikey	311-8.20KHRCT-ND	Generic part
2	10k 5% 1/10W	Resistor	0603	R1, R8	Digikey	311-10KGRCT-ND	Generic part
1	1K, 12 turns, side adjustment	Trim pot		R5	Digikey	3224J-102ECT-ND	Bourns 3224J-1-102E
2	20pF 50V 5%	Ceramic capacitor	0603	C11, C12	Digikey	311-1424-1-ND	Generic part
6	0.1uf 10% 50V	Ceramic capacitor	0603	C4, C5, C7, C8, C9, C10	Digikey	311-1344-1-ND	Generic part
1	1uF 16V 5%	Ceramic capacitor	6030	C2	Digikey	445-1604-1-ND	Generic part
3	10uF 10% 16V	Tantalum Capacitor	1206	C1, C3, C6	Digikey	399-3684-1-ND	Generic part
2	Blue LED	LED	1206	D4, D5	Sparkfun	PRT-12620	Hi intensity at 1mA current.
1	Red LED	LED	1206	D1	Sparkfun	PRT-12619	Hi intensity at 1mA current.
2	Green LED	LED	1206	D2, D3	Sparkfun	PRT-12622	Hi intensity at 1mA current.
1	16Mhz	Crystal		Q1	Digikey	CTX732CT-ND	CTS 403 Series, 20pF.
1	ATMEGA328P	IC	TQFP32	U4	Digikey	ATMEGA328P-AURCT-ND	Atmel AVR328P
1	FT232RL	IC	SSOP28	U2	Digikey	768-1007-1-ND	
1	LTC2943	IC	DFN8	U1	Digikey	LTC2943CDD#PBF-ND	
1	LT1764AEQ	LDO	TO263	U3	Digikey	LT1764AEQ#TRPBFCT-ND	Adjustable voltage regulator.
1	Push button	Button		S1	Digikey	P12207S-ND	Panasonic EVQ-PBG09K
1	Dip switch 4 positions	Dip switch	DIP 8	S2	Digikey	CKN6067-ND	C&K SDA04H1BD
1	3 positions, 0.1", straight	Header		J3	Digikey	S1011E-12-ND	Generic part. Height above board should be at most 8.5mm
2	Micro USB 'reversed' connector	Connector		J1,J2	Digikey	H11611CT-ND	Hirose ZX62RD-AB-5P8.
1	PCB	Custom PCB			OshPark	Custom	http://oshpark.com/shared_projects/mjlYfMCD
1	Top cover	Custom hardware			Ponoko	Custom	Laser cut fluorescent green 1/8" acryilic.
1	Bottom Cover	Custom hardware			Ponoko	Custom	Laser cut fluorescent green 1/8" acryilic.
4	M3x5mm, pan head, philips machine screw	Hardware			Digikey	H742-ND	Top cover screws
4	M3x10mm, pan head, philips machine screw	Hardware			Digikey	335-1148-ND	Bottom cover screws
4	M3x6mm, round, threaded, female/female metal standoff	Hardware			Digikey	335-1156-ND	Top cover standoff
4	M3x3mm,round, non threaded nylon or metal spacer	Hardware			Digikey	952-1526-ND	Bottom cover spacer