

OPEN POWER - Prototype 1a

				Price Per Components 1000 Units	Price Per Board
1uF	0603 Capacitor	4	C2, C4, C5, C12	\$0.0100	\$0.04
2.2uF	0603 Capacitor	1	C13	\$0.0100	\$0.01
22uF	0603 Capacitor	2	C10, C11	\$0.0201	\$0.04
4.7uF	0603 Capacitor	2	C1, C3	\$0.0201	\$0.04
22uF	0805 Capacitor	2	C7, C8	\$0.0153	\$0.03
5.6uF	0805 Capacitor	2	C6, C9	\$0.0590	\$0.12
4.7uF (DNP)	Capacitor - Tantalum - Case A	1	C16		\$0.00
100uF (DNP)	Capacitor - Tantalum - Case B	1	C15		\$0.00
4.7uF (DNP)	Capacitor - Tantalum - Case B	1	C14		\$0.00
1.2k	0603 Resistor	3	R45, R47, R52	\$0.0010	\$0.00
1.5k	0603 Resistor	2	R54, R56	\$0.0010	\$0.00
1.8k	0603 Resistor	3	R46, R48, R53	\$0.0010	\$0.00
100	0603 Resistor	1	R43	\$0.0010	\$0.00
100k	0603 Resistor	2	R10, R27	\$0.0010	\$0.00
10k	0603 Resistor	14	R12, R29, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R49	\$0.0010	\$0.01
12k	0603 Resistor	4	R18, R28, R62, R63	\$0.0010	\$0.00
1k	0603 Resistor	29	R1, R2, R3, R4, R5, R6, R7, R8, R9, R13, R15, R16, R17, R20, R21, R22, R23, R24, R25, R26, R30, R50, R51, R55, R57, R58, R59, R60, R61	\$0.0010	\$0.03
2.2k*	0603 Resistor	1	R19	\$0.0010	\$0.00
3.3k*	0603 Resistor	1	R31	\$0.0010	\$0.00
3.9k	0603 Resistor	1	R44	\$0.0010	\$0.00
470	0603 Resistor	2	R11, R14	\$0.0010	\$0.00
82k*	0603 Resistor	1	R64	\$0.0010	\$0.00
100k	Potentiometer (3386P-103TL)	1	POT1	\$0.2576	\$0.26
100k (FBHigh)	Potentiometer (3x3mm SMD)	1	POT3	\$0.0300	\$0.03
3k (FBLow)	Potentiometer (3x3mm SMD)	1	POT4	\$0.0300	\$0.03
5k (VCC Low)	Potentiometer (3x3mm SMD)	1	POT2	\$0.0300	\$0.03
MF-PSMF050X-2	0805 Fuse - Gold	1	Fuse1	\$0.024	\$0.02
22uH	7x7x3mm	2	L1, L2	\$0.067	\$0.13
22uH	CD32	2	L3, L4	\$0.021	\$0.04
SS34	DO-214AC (SMA)	2	D2, D3	\$0.064	\$0.13
B130LAW	SOD123	1	D1	\$0.024	\$0.02
PWR	LED - 0603 - Red	1	LED22	\$0.0118	\$0.01
CHRG	LED - 0603 - Blue	1	LED21	\$0.0048	\$0.00
0.6V	LED - 0603 - Blue	1	LED20	\$0.0048	\$0.00
0.8V	LED - 0603 - Blue	1	LED19	\$0.0048	\$0.00
1.25V	LED - 0603 - Blue	1	LED17	\$0.0048	\$0.00
1.5V	LED - 0603 - Blue	1	LED16	\$0.0048	\$0.00
1.8V	LED - 0603 - Blue	1	LED15	\$0.0048	\$0.00
1V	LED - 0603 - Blue	1	LED18	\$0.0048	\$0.00
2V	LED - 0603 - Blue	1	LED14	\$0.0048	\$0.00
3V	LED - 0603 - Green	1	LED13	\$0.0072	\$0.01
3.3V	LED - 0603 - Green	1	z	\$0.0072	\$0.01
3.6V	LED - 0603 - Green	1	LED11	\$0.0072	\$0.01
4V	LED - 0603 - Green	1	LED10	\$0.0072	\$0.01
4.5V	LED - 0603 - Green	1	LED9	\$0.0072	\$0.01
5V	LED - 0603 - Yellow	1	LED8	\$0.0128	\$0.01
6V	LED - 0603 - Yellow	1	LED7	\$0.0128	\$0.01
7V	LED - 0603 - Orange	1	LED6	\$0.0124	\$0.01
8V	LED - 0603 - Orange	1	LED5	\$0.0124	\$0.01
10V	LED - 0603 - Red	1	LED3	\$0.0118	\$0.01
9V	LED - 0603 - Red	1	LED4	\$0.0118	\$0.01
11V	LED - 0603 - White	1	LED2	\$0.0185	\$0.02
12V	LED - 0603 - White	1	LED1	\$0.0185	\$0.02
XKB5858-Z	Toggle Switch - THRU (6mm x 6mm	1	SW1	\$0.1333	\$0.13
Header - 4pin - 2.54mm - Single Row	HDR1X4	2	P1, P2	\$0.0200	\$0.04
Header - 4pin - 2.54mm - Dual Row	HDR2X5	2		\$0.0200	\$0.04
JST (50 mil)	JST - 1.25 - GH - 2 Pin - Thru - Vert	1	BATT1	\$0.0250	\$0.03
Micro	Micro USB - Midmount	1	USB1	\$0.0283	\$0.03
DMP1045U	Mosfet - Sot23 - Generic	1	Q1	\$0.0577	\$0.06
LM339	SOIC-14*	5	Q2, Q3, Q4, Q5, Q6	\$0.0617	\$0.31
XC6206P302MR-G	SOT-23-3	1	U2	\$0.0491	\$0.05
MCP73831T	SOT-23-OT5_N	1	U1	\$0.3864	\$0.39
MIC5225-5.0	SOT23-5	1	U5	\$0.3332	\$0.33
MT3608	SOT23-6	2	U3, U4	\$0.0462	\$0.09
Lipo Battery	Not included	1	BATT2		\$0.00
	Total Components	\$133.00		Total Cost per board Components	\$2.73
				Assembly	\$1.05
				Lipo Battery	\$1.15
			Total Cost Assemble with Lipo		\$4.93