

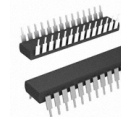
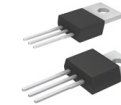
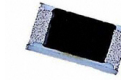
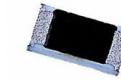
MAPone_BoM

Item No	Qty	Catalog	Part Description	Part Value	Part Package	Manufacturers Name	Manufacturers Part No.	Link
1	5	Capacitor	CAP CER 0.1UF 50V 10% X7R 0805	100nF, 50V	0805 (2012 Metric)	Samsung Electro- Mechanics America, Inc	CL21B104KBCNNC	http://www
2	1	Capacitor	CAP ALUM 100UF 35V 20% RADIAL	100uF, 35V	2.5mm pitch, Radial	Kemet	ESK107M035AE3AA	http://www
3	2	Capacitor	CAP CER 22PF 50V 5% NP0 0805	22pF, 50V	0805 (2012 Metric)	Samsung Electro- Mechanics America, Inc	CL21C220JBANFNC	http://www
4	1	Diode	DIODE GEN PURPOSE 1000V 1A DO41	1N4007	DO-204AL, DO-41, Axial	Micro Commercial Co	1N4007-TP	http://www
5	1	Led	LED RED DIFF 3MM 625NM	LED PWR	Round with Domed Top, 3mm, T-1	Kingbright	WP710A10ID	http://www
6	1	Led	LED GREEN DIFF 3MM 568NM	LED_BLINK	Round with Domed Top, 3mm, T-1	Kingbright	WP710A10GD	http://www
7	1	Connector	CONN POWER JACK 2.1MM X 5.5MM	BARREL_JACK	2.1mm ID, 5.5mm OD, 3 terminals	CUI Inc	PJ-002A	http://www



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8	1	Connector	CONN USB MICRO B USB_Micro RECPT SMT R/A	Surface Mount, Right Angle, Horizontal REFER DATA SHEET	FCI	10118193-0001LF	http://www	
9	1	Resistor	RES SMD 10K OHM 10k 1% 1/8W 0805	0805 (2012 Metric)	Stackpole Electronics Inc	RMCF0805FT10K0	http://www	
10	2	Resistor	RES SMD 300 OHM 300E 5% 1/8W 0805	0805 (2012 Metric)	Panasonic Electronic Components	ERJ-6GEYJ301V	http://www	
11	1	Switch	SWITCH TACTILE SW_RST SPST-NO 0.05A 12V	6.00mm x 6.00mm	TE Connectivity	1825910-6	http://www	
12	1	IC	IC REG LDO 5V 1A T0220AB	7805	T0-220-3	ON Semiconductor	NCP7805TG	http://www
13	1	IC	IC MCU 8BIT 32KB Atmega328p FLASH 28DIP	28-DIP (0.300", 7.62mm)	Atmel	ATMEGA328-PU	http://www	
14	1	Crystal	Xtal_16MHz	CRYSTAL 16MHZ 20PF THRU HOLE	Through Hole, HC49/US, 0.2" pitch	TXC CORPORATION	9B-16.000MBBK-B	http://www
15	1	Connector	Male Header, 0.1"	V_SEL, AREF, FTDI	Header, Unshrouded, male, 0.100" (2.54mm)	Sullins Connector Solutions	PREC040SAAN-RC	http://www



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16	2	Connector	CONN HEADER FEMALE 6POS .1" TIN	Power, Analog	Through Hole, Female Socket, 0.100" (2.54mm)	Sullins Connector Solutions	PPTC061LFBN-RC	http://www
17	1	Connector	CONN HEADER 0.100" DUAL STR 6POS	ISCP	Header, Unshrouded, male, 0.100" (2.54mm), 3x2	Sullins Connector Solutions	PREC003DAAN-RC	http://www
18	2	Connector	CONN HEADER FEMALE 8POS 0.1" TIN	IO_L, IO_H	Through Hole, Female Socket, 0.100" (2.54mm)	Sullins Connector Solutions	PPTC081LFBN-RC	http://www
19	1	Socket	CONN IC SOCKET VERT 28POS TIN	--	IC socket, 28 pin, 0.3"	On Shore Technology Inc	ED281DT	http://www

