

Designator	Digikey PN	Qty /	Desc	Package
NAND	MM74HC132MTCXCT-ND	1	IC NAND 4ch	14-TSSOP
Atmega	2 ATMEGA328P-AURCT-ND	1	IC MCU 8BIT 16KB	32-TQFP
xt	CTX1084-ND	1	XTAL 16MHz 20pf	THRU
REG	1028-1002-1-ND	1	IC REG BUCK SYNC ADJ 3A	8SOP
lv1	296-22862-1-ND	1	IC VOLT-LVL TRANSL BI-DIR	US8
F5,F12	507-1194-1-ND	1	FUSE BOARD MNT 5A 63VAC/VDC 1206	1206
Css,C2,C4,C5,C6		5	CAP CER 0.1uF 25V	603
Cout		1	CAP CER 22uF 10V	805
C7,Cv1		2	CAR EL 22+uF 50V	RAD
Cv2		0	unpopulated	1206
R3		1	RES 150K 1/10W 0603	603
R4,Ren, Rv6		2	RES 100K 1/10W 0603	603
R2, Rst, Rv1, Rv2, Rv4,		5	RES 10K 1/8W	603
Rv3		1	RES 50K 1/8W	603
Rv7		1	RES 27K 1/8W	603
Rv8		1	RES 6.8K 1/8W	603
R1		1	RES 45.3K 1/10W	603
Rc		1	RES 13K	603
ISCP		1	6 POS VERT HEADER	0.1' hdr
L1	SRP1040-150MCT-ND	1	FIXED IND 15UH 5A 57 MOHM SMD	
Cc	399-7913-1-ND	1	CAP CER 3.9nF	603
Cin	490-7198-1-ND	1	CAP CER 10UF 16V	603
Cbt		1	CAP CER 10nF	603
MC1 MC2	TB6552FNG(O8EL)CT-ND	2	800mA Motor Driver 2CH	16SSOP
C0, C1	1276-1187-1-ND	2	20pF 0603	603
pihdr		1	13x2 0.1	0.1' hdr
PWR	SW627-ND	1	SWITCH PUSHBUTTON SPST 3A 125V	
U1	296-12848-1-ND	1	dual comparator	SOIC8
Q1	568-6492-1-ND	1	TRANS NPN 140V 0.3A SOT23	SOT23
Vref	LM4040AIM3-2.5/NOPBCT-ND	1	2.5voltage ref	SOT23-3
Q2	785-1022-1-ND	1	MOSFET P-CH 30V 12A 8SOIC	SOIC8

Unit \$	Total \$	Link
\$ 0.45		<a href="http://www.digikey.com/product-detail/en/MM74HC132MTCX/MM74HC132M">http://www.digikey.com/product-detail/en/MM74HC132MTCX/MM74HC132M</a>
\$ 3.81		<a href="http://www.digikey.com/product-detail/en/ATMEGA328P-AUR/ATMEGA328P-A">http://www.digikey.com/product-detail/en/ATMEGA328P-AUR/ATMEGA328P-A</a>
\$ 0.36		<a href="http://www.digikey.com/product-search/en?Keywords=CTX1084-ND&amp;WT.z_he">http://www.digikey.com/product-search/en?Keywords=CTX1084-ND&amp;WT.z_he</a>
\$ 0.94		<a href="http://www.digikey.com/product-detail/en/RT8250GSP/1028-1002-1-ND/2470C">http://www.digikey.com/product-detail/en/RT8250GSP/1028-1002-1-ND/2470C</a>
\$ 1.20		<a href="http://www.digikey.com/product-detail/en/TXB0102DCUR/296-22862-1-ND/17">http://www.digikey.com/product-detail/en/TXB0102DCUR/296-22862-1-ND/17</a>
\$ 0.35		<a href="http://www.digikey.com/product-detail/en/C1S%205/507-1194-1-ND/809348">http://www.digikey.com/product-detail/en/C1S%205/507-1194-1-ND/809348</a>
\$ 1.44		<a href="http://www.digikey.com/product-detail/en/SRP1040-150M/SRP1040-150MCT-M">http://www.digikey.com/product-detail/en/SRP1040-150M/SRP1040-150MCT-M</a>
\$ 0.10		<a href="http://www.digikey.com/product-detail/en/C0603C392K5RACTU/399-7913-1-N">http://www.digikey.com/product-detail/en/C0603C392K5RACTU/399-7913-1-N</a>
\$ 0.48		<a href="http://www.digikey.ca/product-detail/en/GRM188C81C106MA73D/490-7198-1">http://www.digikey.ca/product-detail/en/GRM188C81C106MA73D/490-7198-1</a>
\$ 1.60		<a href="http://www.digikey.com/product-detail/en/TB6552FNG,8,EL/TB6552FNG8ELCT-">http://www.digikey.com/product-detail/en/TB6552FNG,8,EL/TB6552FNG8ELCT-</a>
\$ 1.55		<a href="http://www.digikey.com/product-search/en?vendor=0&amp;keywords=SW627-ND">http://www.digikey.com/product-search/en?vendor=0&amp;keywords=SW627-ND</a>
\$ 0.42		<a href="http://www.digikey.ca/product-detail/en/LM293DR/296-12848-1-ND/475978">http://www.digikey.ca/product-detail/en/LM293DR/296-12848-1-ND/475978</a>
\$ 0.32		<a href="http://www.digikey.ca/product-detail/en/PMBT5550,215/568-6492-1-ND/2531">http://www.digikey.ca/product-detail/en/PMBT5550,215/568-6492-1-ND/2531</a>
\$ 1.76		<a href="http://www.digikey.com/product-detail/en/LM4040AIM3-2.5%2FNOPB/LM4040C">http://www.digikey.com/product-detail/en/LM4040AIM3-2.5%2FNOPB/LM4040C</a>
\$ 0.62		<a href="http://www.digikey.com/product-detail/en/AO4407A/785-1022-1-ND/1855964">http://www.digikey.com/product-detail/en/AO4407A/785-1022-1-ND/1855964</a>

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