

Qty	Part ID	Description/Value	Manufacturer P/N	Suggested Vendor and Part Number	Cost (ea)	Cost (ext)
1	Sdrive-Simple-II PCB	2 x 1.9 inches 2-LAYER 1.6mm PCB		OSH Park Price Each @ 3 piece Qty	\$6.33	\$6.33
1	U1	3.3V 400mA LDO Voltage Regulator	NCV4274AST33T3G	Mouser 863-NCV4274AST33T3G	\$1.62	\$1.62
1	U2	IC MCU 8BIT 32KB FLASH 28DIP	ATMEGA328-PU	Mouser 556-ATMEGA328-PU	\$2.38	\$2.38
1	RN1	Resistor Network 4pins 3.3Kohms Bussed	4604X-101-332LF	Mouser 652-4604X-1LF-3.3K	\$0.45	\$0.45
1	RN2	Resistor Network 6pins 1.8Kohms Isolated	4606X-102-182LF	Mouser 652-4606X-2LF-1.8K	\$0.50	\$0.50
1	R1	Carbon Film Resistors 300 Ohm 1/4W 5% 250 Volt	CFR-25JB-52-300R	Mouser 603-CFR-25JB-52-300R	\$0.11	\$0.11
3	C1,C4,C6	Multilayer Ceramic Capacitor 0.1uF 50volts 10% 5mm LS	K104K15X7RF5TH5	Mouser 594-K104K15X7RF5TH5	\$0.24	\$0.72
1	C8	Multilayer Ceramic Capacitor .01uF 50volts 10% 5mm LS	K103K15X7RF5TH5	Mouser 594-K103K15X7RF5TH5	\$0.18	\$0.18
2	C5,C7	Multilayer Ceramic Capacitor 22pf 50volts 10% 5mm LS	K220J15C0GF5TH5	Mouser 594-K220J15C0GF5TH5	\$0.27	\$0.54
1	C2	Multilayer Ceramic Capacitor 1uf 50volts 10% 2.5mm LS	FG16X7R1E105KNT00	Mouser 810-FG16X7R1E105KNT0	\$0.39	\$0.39
1	C3	Alum Elect Capacitor 10uF 16volts 4X7mm 2.5mm LS	EEA-GA1C100H	Mouser 667-EEA-GA1C100H	\$0.29	\$0.29
1	J1	CONN HEADER R/A 5POS 2.54mm Pitch	TSW-105-08-L-S-RA	Mouser 200-TSW10508LSRA	\$0.73	\$0.73
1	J2	Push Pull Secure Digital Card Connector	2041021-3	Newark 35R2925	\$1.86	\$1.86
1	D1	Schottky Diode DO-35-2 Case 20mA 40 Volt	SD103A-TR	Mouser 625-SD103A	\$0.31	\$0.31
1	X1	CRYSTAL 16 MHZ 18PF T/H	ABL-16.000MHZ-B2	Mouser 815-ABL-16-B2	\$0.32	\$0.32
1	U1 – Socket	IC Socket 28POS 2.54mm Pitch 0.3" Row Spacing	1-2199298-9	Mouser 571-1-2199298-9	\$0.78	\$0.78
2	Mounting Hardware	M3 18mm Standoff Nickel Plated Brass	24396 (Keystone Elec)	Digi-Key 36-24396-ND	\$0.77	\$1.54
4	Mounting Hardware	M3 10mm Screw Pan Head Phillips SST	RM3X10MM 2701	Digi-Key 335-1148-ND	\$0.71	\$2.84
1	SIO Connection	SparkFun Accessories Jumper Wires	474-PRT-12796	Mouser PRT-12796	\$1.95	\$1.95

Total = **\$23.84**

Notes:

Ordering 10 boards from JLCPCB will result in 5 days vs 2 weeks with OSH Park, and come to \$2.50 per board including DHL shipping. Although example sources and vendor part numbers have been provided, you can always order from the place of your choosing by using the manufacturer's part number and/or use the specifications in the description such as lead spacing (LS), value, ect. to search for a substitute at another vendors website. Substituting either electrolytic or tantalum capacitors for what is shown is permissible.