

Qty	Part ID	Description/Value	Manufacturer P/N	Suggested Vendor and Part Number	Cost (ea)	Cost (ext)
1	576NUC+SDrive PCB	4.11 x 2.46 inches 2-LAYER 1.6mm PCB		<b>JLPCB Price Each @ 10 piece Qty</b>	\$2.95	\$2.95
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
3	R3,R5,R7	RES 1K5 OHM 1/8W 5% CF AXIAL	CFR-25JB-52-1K5	Mouser 603-CFR-25JB-52-1K5	\$0.10	\$0.30
5	R2,R4,R6,R8,R10	RES 3K OHM 1/8W 5% CF AXIAL	CFR-25JB-52-3K	Mouser 603-CFR-25JB-52-3K	\$0.10	\$0.50
1	R1	RES 300 OHM 1/8W 5% CF AXIAL	CFR-25JB-52-300R	Mouser 603-CFR-25JB-52-300R	\$0.11	\$0.11
1	R9	RES 10K OHM 1/8W 5% CF AXIAL	CFR-25JB-52-10K	Mouser 603-CFR-25JB-52-10K	\$0.10	\$0.10
3	C1,C5,C6	Multilayer Ceramic Capacitor 0.1uF 50volts 10% 5mm LS	K104K15X7RF5TH5	Mouser 594-K104K15X7RF5TH5	\$0.24	\$0.72
1	C2	Multilayer Ceramic Capacitor .01uF 50volts 10% 5mm LS	K103K15X7RF5TH5	Mouser 594-K103K15X7RF5TH5	\$0.18	\$0.18
2	C3,C4	Multilayer Ceramic Capacitor 22pf 50volts 10% 5mm LS	K220J15C0GF5TH5	Mouser 594-K220J15C0GF5TH5	\$0.27	\$0.54
1	C7	Multilayer Ceramic Capacitor 1uf 50volts 10% 2.5mm LS	FG16X7R1E105KNT00	Mouser 810-FG16X7R1E105KNT0	\$0.39	\$0.39
1	C8	Alum Elect Capacitor 10uF 16volts 4X7mm 2.5mm LS	EEA-GA1C100H	Mouser 667-EEA-GA1C100H	\$0.29	\$0.29
1	J1	CONN HEADER VERT 50POS 2.54MM	TSW-150-15-T-S	Mouser 200-TSW15015TS	\$3.40	\$3.40
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
3	D2,D3,D4	LED-3MM R/A Holder Black Nylon	H-101C-1	Mouser 749-H-101C-1	\$0.82	\$2.46
1	D2	LED-3MM HIGH EFFICIENCY WHITE DIFFUSED	NTE30149	TubeDepot.com P-LED-DW (WHITE)	\$0.14	\$0.14
1	D3	LED-3MM HIGH EFFICIENCY GREEN DIFFUSED	NTE30147	TubeDepot.com P-LED-DW (GREEN)	\$0.14	\$0.14
1	D4	LED-3MM HIGH EFFICIENCY RED DIFFUSED	NTE30146	TubeDepot.com P-LED-DW (RED)	\$0.14	\$0.14
2	Mounting Hardware	HEX STANDOFF M3 X 18MM NYLON	25513	Mouser 534-25513	\$0.88	\$1.76
4	Mounting Hardware	PAN HEAD SCREW M3 X 8MM CROSS SL NYLON	97790803111	Mouser 710-97790803111	\$0.26	\$1.04

Total = **\$19.21**

Notes:

Ordering 10 boards from JLCPCB will result in approximately 5-7 days to your door delivery (price shown includes 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.