

Part Number	Description	Designator	Supplier	Quantity	Co	ost Per Board	E	ssential	Op	otional	Purpose
DFR0010	DFRDUINO NANO V3.1 (ARDUINO NANO	A1	ECEN SHOP	1	\$	4.00	\$	4.00			Control
GPTS203211B	SWITCH PUSHBUTTON SPST 1A 30V	B0, B1, B2, B3, B4, B5	DigiKey	6	\$	4.44			\$	4.44	Buttons
PS1240P02BT	Piezo Buzzer, Through Hole	BZ1	DigiKey	1	\$	0.67	\$	0.67			Sound
PJ-037A	CONN PWR JACK 2X5.5MM SOLDER	DC1	DigiKey	1	\$	0.58	\$	0.58			Power
68016-208HLF	Header 8 Right Angle 100 mil	H1	DigiKey	1	\$	0.50			\$	0.50	External Connections
LTL-4223	2 V drop 10 mA Red	LED1, LED2	DigiKey	2	\$	0.72			\$	0.72	Indicator Lights
SIT1534AI-H4-DCC-00.032G	Factory Programmable Oscilator	01	DigiKey	1	\$	2.12			\$	2.12	Accurate Timing
3310R-125-103L	POT 10K OHM 1/4W PLASTIC LINEAR	POT1	DigiKey	1	\$	2.74			\$	2.74	Volume Control
200MSP1T1B1M2QEH	SWITCH TOGGLE SPDT 3A 120V	PWRSW	DigiKey	1	\$	2.23	\$	2.23			Power Switch
2N3904BU	TRANS NPN 40V 0.2A TO-92	Q1	DigiKey	1	\$	0.21	\$	0.21			Sound
CF14JT330R	330	R1	DigiKey	1	\$	0.10			\$	0.10	Indicator
MFR-25FBF52-9K53	9.53k	R2	DigiKey	1	\$	0.10	\$	0.10			Display
CF14JT1K00	1k	R3	DigiKey	1	\$	0.10			\$	0.10	Indicator
CF14JT1K00	1k	R4	DigiKey	1	\$	0.10			\$	0.10	Volume
CF14JT100R	100	R5	DigiKey	1	\$	0.10			\$	0.10	Volume
CF14JT18R0	18	R6	DigiKey	1	\$	0.10	\$	0.10			Sound
4116R-2-103LF	Resistor Pack	RP1	DigiKey	1	\$	1.16	\$	1.16			Control
LDQ-N516RI	LED 7-SEG .56 QUAD S-RED CC MULT	S1, S2	DigiKey	2	\$	13.46	\$	6.73	\$	6.73	Display (1 Minimum)
SLG12014	SWITCH SLIDE SPDT 300MA 125V	SW0	DigiKey	1	\$	1.34			\$	1.34	I/O Switch
MAX7221	Serially Interfaced, 8-Digit LED Display Driver	X1	DigiKey	1	\$	9.20	\$	9.20			Display
RM3X10MM 2701	M3 Machine Screws		DigiKey	5	\$	2.70			\$	2.70	Mounting
	Breadboad Wire		ECEN SHOP		\$	0.50	\$	0.50			Bypassing Parts Extra Parts
				Total	\$	43.97	\$	25.48	\$	18.99	
OSH PARK FAB			OSH PARK						\$	33.00	
ECEN SHOP FAB			ECEN SHOP				\$	4.00			
				Total			\$	29.48	\$	77.47	
					Quality			Basic		Full	