

Qty	Value	Device	Parts	DigiKey	Mouser	
1	00hm	Resistor 1%	R7			
2	2.2k	Resistor 1%	R1, R2	2.21KXBK-ND	660-MF1/4DCT52R2201F	
2 or 18	10k	Resistor 1%	R3, R9	10.0KXBK-ND	660-MF1/4DCT52R1002F	
20 or 4	220Ohm	Resistor 1%	R4, R5, R8, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26	221XBK-ND	660-MF1/4DCT52R2210F	
5	10k	Resistor array	RN1, RN2, RN3, RN4, RN5	CSC10KW-ND	71-CSC09A01-10K	
1	5k	Trimmer	R6	T93XA-5.0K-ND	72-T93XA-5K	
2	18p	Ceramic cap	C5, C6	BC1004CT-ND	594-K180J15C0GF5TL2	
12	100n	Ceramic cap	C2, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17	BC1148CT-ND	81-RDER71E104K0K103B	
2	100u	Electrolitic cap 16V+	C3, C4	P833-ND	667-ECE-A1CKA101	For CV extension, C3 should have voltage rating of 25V
1	1u	Ceramic cap	C1	445-5331-ND	810-FK16X7R1E105K	
1	LM7805	Voltage regulator	IC1	LM7805CT-ND	512-LM7805CT	For CV extension, replace LM7805 with replace LM7805 with RECOM R-785.0-0.5 (Digikey 945-1037-ND, Mouser 919-R-785.0-0.5)
1	ATMEGA644p	Microcontroller	IC3	ATMEGA644PA-PU-ND	556-ATMEGA644PA-PU	
1	LCD_MODULE	LCD	LCD display 40x2, HD44780 compatible	NHD-0240AZ-FL-GBW-ND	763-NHD-0240AZ-FLGBW	ebay: egochina8848 sells nice white on blue 40x2 LCDs
8	MEC-3FTL6	LED switches	CLK, RUN, SEL, SEQ, SEQA, SEQB, SEQC, SEQD switches	679-2227-ND		
8	MEC-1F091	LED switches caps	MEC switch caps with transparent lens	679-2078-ND		
2	MIDI	DIN5 conenctor	MIDI_IN, MIDI_OUT	CP-2350-ND	161-0504-E	
8	Step switches	Tactile switches	SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8	EG1821-ND	612-TL1100	
10	Encoders	EC12E_SW	ENC1, ENC2, ENC3, ENC4, ENC5, ENC6, ENC7, ENC8, ENCA, ENCB	987-1195-ND	858-EN12-HS22AF20	
18	LEDs	LED3MM	8 step leds, 8 switch leds, optional MidiIn, MidiOut	1080-1115-ND	638-MV5474C	For CV extension, do not install MIDI IN and MIDI OUT LEDs
3	1N4004	Diode	D1, D2, D3	641-1311-1-ND	625-1N4001-E3/73	
1	1N4148	Diode	D4	1N4148TACT-ND	78-1N4148-TAP	
1	6N137	Optocoupler	OK	751-1262-5-ND	512-6N137M	
1	20MHz	20Mhz Crystal	Q1	887-1023-ND	717-9B-20.000MAAJ-B	
1	24LC512	I2C EEPROM	IC2	24LC512-I/P-ND	579-24LC512-I/P	
5	74HC165N	8 bit shift register	IC4, IC5, IC6, IC7, IC8	296-8251-5-ND	595-SN74HC165N	
2	74HC595N	8 bit shift register	IC9, IC10	296-1600-5-ND	595-SN74HC595N	
1	JACK-PLUG	2.1mm DC jack	DC jack	CP-102A-ND	490-PJ-102A	PJ-102A
1	AVR_ISP	AVR ISP connector	3x2 pin header	3M9459-ND	517-9612066404AR	
1	M05X2PTH	M05X2PTH	5x2 pin header	3M9460-ND	517-9612106404AR	
1	M08X2PTH	M08X2PTH	8x2 pin header	3M9461-ND	517-9612166404AR	
1	EG1213	EG1213	DC power switch	EG1906-ND	612-EG1213	EG1213
8	LED spacer	T1	.300" LED mount spacer	7361K-ND	534-7361	Keystone 7361
2	IC Socket DIP 8	DIP8		3M5461-ND	517-4808-3000-CP	4808-3000-CP
7	IC Socket DIP 16	DIP16		3M5463-ND	517-4816-3000-CP	4816-3000-CP
1	IC Socket DIP 40	DIP40		3M5471-ND	517-4840-6000-CP	4840-6000-CP
10	Encoder knobs				450-BA600	16mm D-SHAFT
8	Switch caps		Rectangular black	EG1081-ND	612-TAC-BK	E-Switch TACBLK