

	Deftaudio MacroPot BOM:			
		P/N	Order from	Notes
	U1	6N138	https://www.mouser.com/Product	DIP package, install without a socket
	U2	Teensy 3.2	https://www.pjrc.com/store/teensy	
	D1	1N4148	https://www.mouser.com/Product	
	D2	3mm LED	https://www.mouser.com/Product	Any standard 3mm LED, blue or other color
	C1	10uf	https://www.mouser.com/Product	PWM audio output circuit, not required in case of DAC output
	C2	103 0.01uf	https://www.mouser.com/Product	PWM audio output circuit, not required in case of DAC output
	C4, C5	103 0.01uf	https://www.mouser.com/Product	
	C3	104 0.1uf	https://www.mouser.com/Product	
	R1, R12, R17, R18	220	https://www.mouser.com/Product	
	R2	100k	https://www.mouser.com/Product	PWM audio output circuit, not required in case of DAC output
	R3	475	https://www.mouser.com/Product	PWM audio output circuit, not required in case of DAC output
	R4	127	https://www.mouser.com/Product	PWM audio output circuit, not required in case of DAC output
	R5, R6, R7, R8, R9, R10	47	https://www.mouser.com/Product	
	R11	470	https://www.mouser.com/Product	
	R13, R14, R15, R16	10k	https://www.mouser.com/Product	
	Encoder with a switch	PEL12D-4226G-S2024	https://www.mouser.com/Product	Burns dual color encoder
	Encoder transparent cap	N/A	https://www.aliexpress.com/item/	D-shaft type needed
	OLED	0.91" white/blue OLED 128X32	https://www.aliexpress.com/item/	Be careful, some OLED modules require longer init at least delay(1500)
	Pin headers	2.54mm pitch	https://www.ebay.com/itm/10-Pa	Male and female, cut to the size where need
	SW1, SW2	push buttons	https://www.aliexpress.com/item/	Square button with a round plastic cap
	3.5mm jack	N/A	https://www.aliexpress.com/item/	Plastic case with a metal screw
	2 pin Dupont cable	N/A	https://www.aliexpress.com/item/	You can cut them in half or assemble your own 2-pin cable with a separate headers
	Enclosure	N/A	https://www.aliexpress.com/item/	Aluminum Stomp Box 9.2*3.8*3.2cm. Drilling and painting are required