

Deftaudio MacroPot BOM:				
	P/N	Order from	Notes	
U1	6N138	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	DIP package, install without a socket	
U2	Teensy 3.2	<a href="https://www.pjrc.com/store/teensy">https://www.pjrc.com/store/teensy</a>		
D1	1N4148	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>		
D2	3mm LED	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	Any standard 3mm LED, blue or other color	
C1	10uf	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	PWM audio output circuit, not required in case of DAC output	
C2	103 0.01uf	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	PWM audio output circuit, not required in case of DAC output	
C4, C5	103 0.01uf	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>		
C3	104 0.1uf	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>		
R1, R12, R17, R18	220	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>		
R2	100k	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	PWM audio output circuit, not required in case of DAC output	
R3	475	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	PWM audio output circuit, not required in case of DAC output	
R4	127	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	PWM audio output circuit, not required in case of DAC output	
R5, R6, R7, R8, R9, R10	47	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>		
R11	470	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>		
R13, R14, R15, R16	10k	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>		
Encoder with a switch	PEL12D-4226G-S2024	<a href="https://www.mouser.com/Product">https://www.mouser.com/Product</a>	Burns dual color encoder	
Encoder transparent cap	N/A	<a href="https://www.aliexpress.com/item/">https://www.aliexpress.com/item/</a>	D-shaft type needed	
OLED	0.91" white/blue OLED 128X32	<a href="https://www.ebay.com/itm/0-91-1">https://www.ebay.com/itm/0-91-1</a>	Be careful, some OLED modules require longer init at least delay(1500)	
Pin headers	2.54mm pitch	<a href="https://www.ebay.com/itm/10-Pin">https://www.ebay.com/itm/10-Pin</a>	Male and female, cut to the size where need	
SW1, SW2	push buttons	<a href="https://www.aliexpress.com/item/">https://www.aliexpress.com/item/</a>	Square button with a round plastic cap	
3.5mm jack	N/A	<a href="https://www.aliexpress.com/item/">https://www.aliexpress.com/item/</a>	Plastic case with a metal screw	
2 pin Dupont cable	N/A	<a href="https://www.aliexpress.com/item/">https://www.aliexpress.com/item/</a>	You can cut them in half or assemble your own 2-pin cable with a separate headers	
Enclosure	N/A	<a href="https://www.ebay.com/itm/1590/">https://www.ebay.com/itm/1590/</a>	Aluminum Stomp Box 9.2*3.8*3.2cm. Drilling and painting are required	
Top acrylic panels	N/A	<a href="https://www.tindie.com/">https://www.tindie.com/</a>	You can order from Tindie or make your own, design is open	
PCB	N/A	<a href="https://www.tindie.com/">https://www.tindie.com/</a>		
				*eBay and Aliexpress links are for reference only. Pick your preferable supplier.