8BIT MIXTAPE NEO

PARTS PLACEMENT - COMPLETE
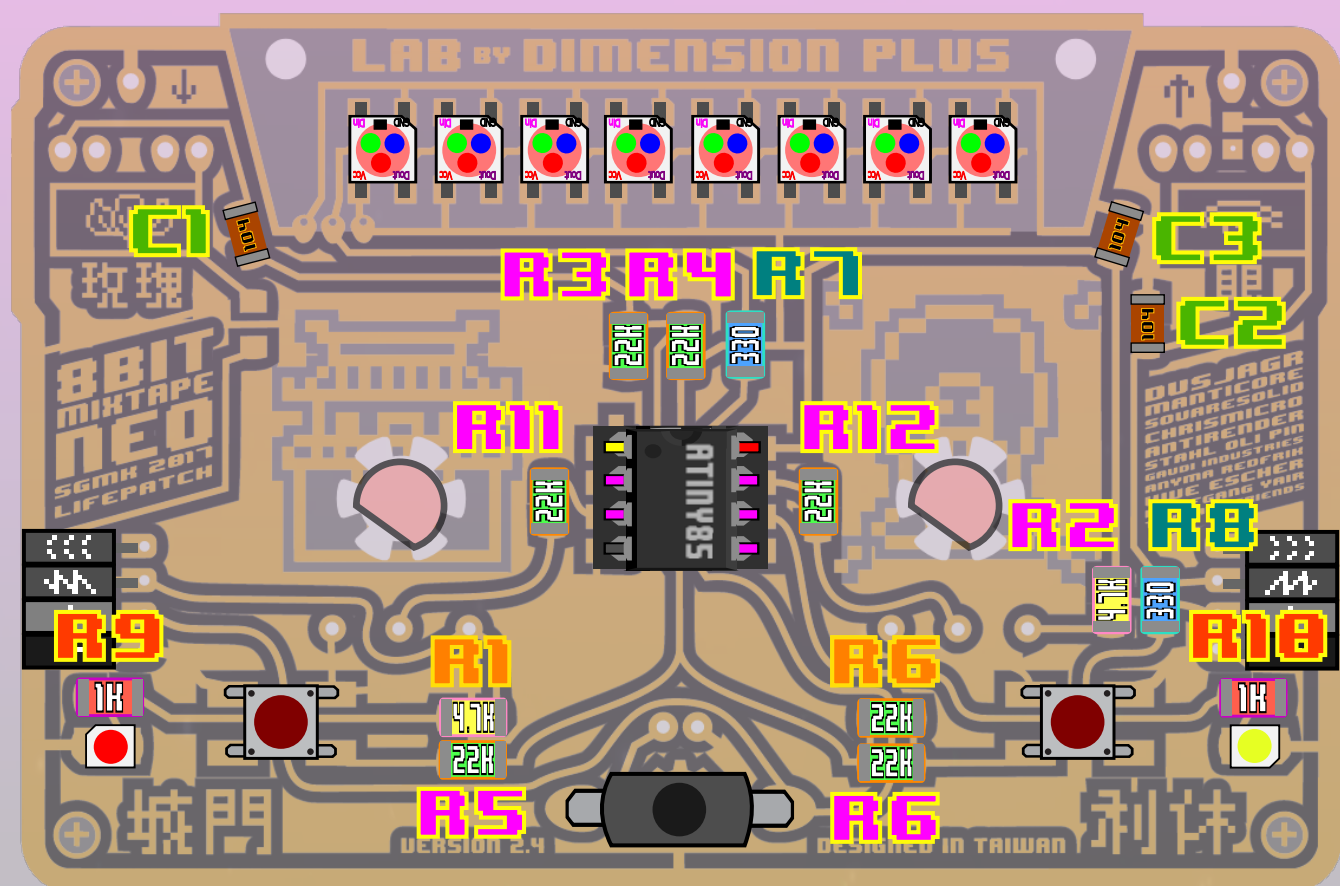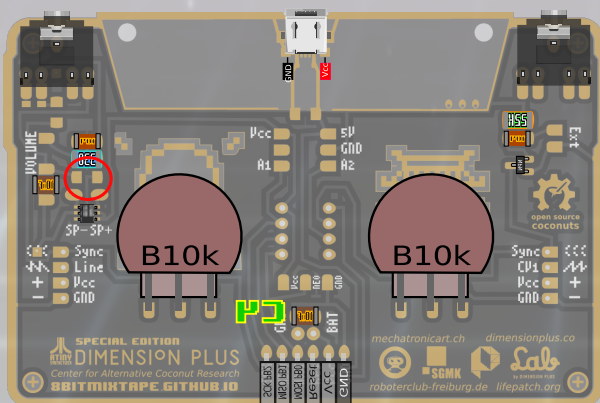

On the Frontside

3 x 100 nF	C1, C2, C3
7 x 22 kOhm	R3, R4, R5, 2xR6, R11, R12.
2 x 4.7 kOhm	R1, R2
2 x 330 Ohm	R7, R8
2 x 1 kOhm LED brightness	R9, R10
2 x LED (power and output)	DIRECTION !!!
8 x NEO-Pixel (5050 SK6812)	DIRECTION !!!
1 x ON/OFF Switch	
2 x Push Button	
1 x IC-Socket DIL-Package	DIRECTION !!!
1 x ATTINY85 DIL-Package	DIRECTION !!!

Optional on the Backside

1 x 50 kOhm log Wheel-Potentiometer	
1 x ISP-Prog Header 6pos (female)	
1 x micro-USB (just power)	
1 x NPN 2N7002 (Mosfet for Ext In)	
1 x 100 nF (C6)	
1 x 22 kOhm (R14)	
2 x Connector Header 4pos (female)	

1 x PAM8301 (Amplifier chip)	
1 x 100 nF (C5)	
1 x 10 µF (C7)	
1 x 330 Ohm (R13)	

something confusing

On the Backside

2 x AudioJack 3.5mm switched	
1 x 10 µF	C4
2 x 10 kOhm lin Potentiometer	