

Bill of Material for the Beaks (Mutable Instruments Peaks TH PWM variant)						
More information on this Github page: https://github.com/SourceryOne/Beaks						
Watch the "Modular in a Week" episode of this module: https://youtu.be/UQ76YSmVNnw						
Watch the build video here: https://youtu.be/q5mbdBCou-k						
Supplier partnumbers are for LCSC.com if you use JLCPCB.com to order the pcbs, you can use lcsc and get combined shipping						
Name	Designator	Quantity	LCSC Partnr			
4n7	C1,C2,C5,C6	4	C249154			
150pF	C3,C4	2	C315664			
100nF	C7,C11	2	C353909			
10u	C8,C9,C10	3	C43351			
100nf	C12	1	C353909			
Zener 3.6V	D1, BZX55C3V6	1	C5190029			
1N5817	D2,D3	2	C3062			
IN1	IN1 Thonkiconn or similar	1	C381127			
IN2	IN2 Thonkiconn or similar	1	C381127			
FRONT	J1	1	C35445			
FROM LEDS	J2	1	C35445			
D1	LED1 depending on color!	1	C85161			
D2	LED2 depending on color!	1	C85161			
D3	LED3 depending on color!	1	C85161			
D4	LED4 depending on color!	1	C85161			
D5	LED5 depending on color!	1	C85161			
Out1	OUT1,OUT2 Thonkiconn or si	2	C381127			
HDR-IDC-2.54-2	P1 Power IDC Connector	1	C5665			
SWITCHES	P2	1	C49661			
support	P3	1	C49661			
2N3904	Q1,Q2	2	C118538			
1k5	R1,R4,R13,R16,R17	5	C274514			
180k	R2,R15	2	C119372			
12k	R3,R14	2	C274518			
15k	R5,R12	2	C601870			
6k8	R6,R11	2	C714012			
33k	R7,R10	2	C172550			
1k	R8,R9	2				
10k	R23,R24	2	C119347			
10k POTS	R18,R19,R20,R21	4	B10K			
100k	R22,R25	2				
2k	R26,R27,R28,R29,R30,R31,R32	7	C58593			
SW_Dual	SW1	1	C620311			
SW_Mode	SW2	1	C620311			
SW_TRIG1	SW3 depending on color!	1	C501573			
SW_TRIG2	SW4 depending on color!	1	C501573			
BLUEPILL	U1	1	https://s.click.aliexpress.com/e/_DFDps31			
78L05T/B	U4	1	C154637			
TL074CN	U2	1	C133542			
1x20 female hea	1x20 Female header (for STM32)	2	C50984			
1x2 female head	1x2 Female header	2	C49661			
1x10 female hea	1x10 Female header	2	C35445			
1x40 male head	1x40 male header	2	C2337			
14 pin DIL socke	14 pin DIL socket for TL074	1	C2325			
Spacer	10mm Spacer (optional)	1	C130896			
Screw	M3 screw ~5mm (optional)	1				