

Optical Theremin
Bill of Materials

Part ID	Part Description
U1	Blue Pill
U2	XC6206 regulator
J1,J2	ADPS-9960
RV1-RV3	Knob pot, 10K
RV4	Dial pot, 10K
SW1	Slide switch
C1,C4,C5	1uF capacitor 0805
C6	10uF capacitor 0805
C2,C3	.1uF capacitor 0805
R1	120 Ohm resistor 0805
R2	220 Ohm resistor 0805
R3,R4	150 Ohm resistor 0805
R5	1K resistor 0805
R6	806 Ohm resistor 0805
R7,R8	402 Ohm resistor 0805
L1	10mH inductor
J4	SMT header
D1	10mm LED, Red
D2	5mm LED, Green
D3	5mm LED, Yellow
D4	5mm LED, Red
BASE	100mm Plastic Base
USB	USB connector module
AUDIO	3mm stereo jack
POWER WIRE	Red & black power wires
AUDIO WIRE	Female jumper wires
SCREWS	#2 sheet metal screws (2)
SCREWS	#4 machine screws (4)
PCB	PCB iB22