



Tooth Tunes Hack (uSD WAV Player)
Bill-of-Materials
HW B, Document 1.0, February 28, 2017

Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	1	BT1	Tooth Tunes	N/A	N/A	N/A	Battery Pack/PCB Holder, Plastic Assembly
2	4	C1, C5, C6, C7	Kemet	C0603C104K4RACTU	Digi-Key	399-1096-1-ND	Capacitor, 0.1uF, 16V, Ceramic, X7R, 0603
3	2	C2, C3	Kemet	T491A106M016AT	Digi-Key	399-3687-1-ND	Capacitor, 10uF, 20%, 16V, Tantalum, Size A
4	1	C4	TDK	C1608X7R1E105K080AB	Digi-Key	445-5956-1-ND	Capacitor, 1.0uF, 25V, Ceramic, X7R, 0603
5	1	J1	Molex	104031-0811	Digi-Key	WM6357CT-ND	Connector, MicroSD Card, Push-Pull, R/A, SMD
6	1	LS1	Tooth Tunes	N/A	N/A	N/A	Speaker, Bone-Conduction Element
7	1	R1	Any	Any	Digi-Key	P1.0MGCT-ND	Resistor, 1.0M, 5%, 1/10W, 0603
8	2	R2, R3	Any	Any	Digi-Key	P22KGCT-ND	Resistor, 22k, 5%, 1/10W, 0603
9	1	SW1	Tooth Tunes	N/A	N/A	N/A	Switch, Pushbutton, SPST-NO, Gull Wing
10	1	U1	Atmel	ATTINY85-20SU	Digi-Key	ATTINY85-20SU-ND	Microcontroller, AVR, SOIC-8W
11	1	U2	Texas Instruments	TLV70233DBVR	Digi-Key	296-32415-1-ND	Linear Regulator, LDO, 3.3V, 300mA, SOT23-5
12	1	U3	Maxim Integrated	MAX16054AZT+T	Digi-Key	MAX16054AZT+TCT-ND	IC, On/Off Controller w/ Debounce, TSOT23-6
13	1	U4	Texas Instruments	LM4864MMX/NOPB	Digi-Key	LM4864MMX/NOPBCT-ND	IC, Audio Power Amplifier, VSSOP-8
14	1	PCB	OSH Park	TOOHTUNES	N/A	N/A	PCB, Fabrication