

Full BOM

Quantity	Part	Type	Link
2	1608 10uf capacitor	SMD component	
3	2012 2.2uf capacitor	SMD component	
1	6.3x5.7 100uf capacitor	SMD component	
1	3216 100uf capacitor	SMD component	
8	1608 100nf capacitor	SMD component	
1	4x5.4 10uf capacitor	SMD component	
2	1608 2.2nf capacitor	SMD component	
1	2012 4.7uf capacitor	SMD component	
1	side mount bicolour led	SMD component	
1	SWPA60 6.8uH inductor	SMD component	
1	2012 1k resistor	SMD component	
1	1608 330k resistor	SMD component	
1	2012 680 resistor	SMD component	
2	1608 1.8M resistor	SMD component	
1	1608 220k resistor	SMD component	
1	1608 1M resistor	SMD component	
1	2012 2k resistor	SMD component	
2	2012 2k2 resistor	SMD component	
8	2012 10k resistor	SMD component	
1	1608 75k resistor	SMD component	
4	1608 22 resistor	SMD component	
1	1608 560 resistor	SMD component	
1	1608 100 resistor	SMD component	
1	1608 200 resistor	SMD component	
3	1608 470 resistor	SMD component	
1	PVQFN TPS61090	SMD component	
1	SOT-23 MCP73831	SMD component	
1	SOIC-16 74HC595	SMD component	
1	TSSOP-20 PCM5102	SMD component	
1	UQFN-20 MPR121QR2	SMD component	
8	1N4148WT	SMD component	
1	Red LED	TH component	Mouser
1	5mm RKGB LED	TH component	-
1	Switched Audio Jack	TH component	Mouser
1	JST PH 2mm 2pin male angled	TH component	-
1	503450 1000mAh battery	other hardware	-
3	Potentiometer	TH component	Mouser (note: if we could source a RV09AF-40-15K-B100K instead, it would be better)
2	Tactile switch 6x6mm	TH component	Mouser
21	Tactile switch 12x12mm	TH component	Mouser
2	Touch header female	TH component	Mouser
2	Touch header male	TH component	Mouser
1	Teensy 4.0	TH component	PJRC
1	Teensy headers	TH component	Mouser
21	Tactile switch keycap 9x9	other hardware	Mouser
2	Tactile switch keycap key top	other hardware	Mouser
1	Tactile switch keycap 4x4 orange	other hardware	Mouser

Quantity	Part	Type	Link
1	Tactile switch keycap 4x4 yellow	other hardware	Mouser
1	Top shell	other hardware	-
1	Bottom shell	other hardware	-
1	Double sided tape	other hardware	-
6	M2.3x8 self tapping screws	other hardware	-
3	M2.3x6 self tapping screws	other hardware	-