

OpAmp Percussion BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
	C1	1	Panasonic	ECE-A1EKS4R7I	CAP ALUM 4.7UF 20% 25V RADIAL	2.5mm Radial	THRU-HOLE	
	C2,C3,C6	3	Panasonic	ECA-1CM100I	10 µF 16 V Aluminum Electrolytic Capacitor Radial	2.5mm Radial	THRU-HOLE	
	C4,C5,C10,C11	4	Vishay	K104K10X7RF5UH5	CAP CER 0.1UF 50V X7R RADIAL	5mm Radial	THRU-HOLE	
	C7,C8,C9	3	Vishay	K102K15X7RF5TH5	CAP CER 1000PF 50V X7R RADIAL	5mm Radial	THRU-HOLE	
	C12	1	Panasonic	ECA-1CM101I	CAP ALUM 100UF 20% 16V RADIAL	2.5mm Radial	THRU-HOLE	
	D1	1	Kingbright	WP7113ID	LED RED DIFFUSED T-1 3/4 T/H	T-1 3/4	THRU-HOLE	
	D2	1	onsemi	1N4148	Diode 100 V 200mA Through Hole DO-35	DO-35	THRU-HOLE	
	J1,J2,J3	3	Sullins	PREC002SAAN-RC	Connector Header Through Hole 2 position 0.1"	2POS	THRU-HOLE	
	R1	1	YAGEO	CFR-25JR-52-10K	RES 10K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
	R2,R7,R8,R9	4	Bourns	PDB181-K425K-105B	POT 1M OHM 1/5W CARBON LINEAR	3 PIN	THRU-HOLE	
	R3	1	YAGEO	CFR-25JR-52-15K	RES 15K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
	R4,R5,R11	3	YAGEO	CFR-25JR-52-1K	RES 1K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
	R6	1	YAGEO	CFR-25JR-52-100K	RES 100K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
	R10	1	Bourns	PTV09A-1220F-B103	POT 10K OHM 1/20W CARBON LINEAR	Snap In Mount	THRU-HOLE	
	SW1	1	Würth Elektronik	430476085716	Tactile Switch SPST-NO Top Actuated Through Hole	4 PIN	THRU-HOLE	
	SW2	1	CUI Devices	SLW-883935-2A-D	SWITCH SLIDE SPDT 0.5A 30V	3 PIN	THRU-HOLE	
	TP1,TP2,TP3,TP4,TP5	0						Do Not Install
	U1	1	Analog Devices	MAX1044EPA+	IC REG CHARGE PUMP INV 20MA 8DIP	8DIP	THRU-HOLE	
	U2,U3	2	Texas Instruments	UA741CP	Operational Amplifiers - GP Op Amp	8DIP	THRU-HOLE	
	U4	1	Texas Instruments	LM386N-4/NOPB	Audio Amplifiers LOW VLTG AUDIO PWR AMP	8DIP	THRU-HOLE	