AY-3-8910 BOM

Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C4	1	KEMET	C320C472K1R5TA	CAP CER 4700PF 100V X7R RADIAL	2.5mm Radial	THRU-HOLE	
2	C2	1	KEMET	C320C104K5R5TA7317	0.1 µF ±10% 50V Ceramic Capacitor X7R Radial	2.5mm Radial	THRU-HOLE	
3	C1 C3	2	Rubycon	50YXF1MEFCT15X11	CAP ALUM 1UF 20% 50V RADIAL	2.5mm Radial	THRU-HOLE	
4	D1	1	Kingbright	WP7113ID	LED RED DIFFUSED T-1 3/4 T/H	T-1 3/4	THRU-HOLE	
5	J2	1	XKB Connectivity	PJ-320A	3.5mm headphone jack	4 Pole TRRS	THRU-HOLE	
6	J4	1	Sullins Connector Solutions	PPTC061LFBN-RC	CONN HDR 6POS 0.1 TIN PCB	6POS	THRU-HOLE	
7	J1	1	Sullins Connector Solutions	PREC003SAAN-RC	Connector Header Through Hole 3 position 0.100"	3POS	THRU-HOLE	
8	M2	2	Sullins Connector Solutions	PPTC151LFBN-RC	CONN HDR 15POS 0.1 TIN PCB	15POS	THRU-HOLE	Two 15 pin female headers are populated. PCB user will install Arduino Nano.
9	R4	1	YAGEO	CFR-25JR-52-75R	RES 75 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
10	R5	1	YAGEO	CFR-25JR-52-300R	RES 300 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
11	R3	1	YAGEO	CFR-25JR-52-470R	RES 470 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
12	R2	1	YAGEO	CFR-25JR-52-1K	RES 1K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
13	R1	1	YAGEO	CFR-25JR-52-4K7	RES 4K7 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
14	S1	1	TE Connectivity	1825910-6	SWITCH TACTILE SPST-NO 0.05A 24V	6x6 mm	THRU-HOLE	
15	U1	1	General Semiconductor Inc	AY-3-8910	Audio Synthesizer IC, MOS, PDIP40	DIP 40	THRU-HOLE	