

Midi Breakout BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C1 C2	2	KEMET	C320C104K5R5TA7317	0.1 μ F \pm 10% 50V Ceramic Capacitor X7R Radial	2.5mm Radial	THRU-HOLE	
2	D1	1	Onsemi	1N4148	Diode 100 V 200mA Through Hole DO-35	DO-35	THRU-HOLE	
3	J3 J4 J7	3	XKB Connectivity	PJ-320A	3.5mm headphone jack	4 Pole TRRS	THRU-HOLE	
4	J6	1	Sullins	PREC004SAAN-RC	CONN HEADER VERT 4POS 2.54MM	4POS	THRU-HOLE	
5	J1 J2 J5	3	Multicomp	PSG03463	DIN Socket, 5Pin 180°	DIN 5 Pin	THRU-HOLE	
6	Q1 Q2 Q3 Q4	4	Onsemi	2N3904TA	BJT NPN Transistor General Purpose	TO-92 135AR Leadformed	THRU-HOLE	
7	R2 R3 R7 R8 R11 R12	6	YAGEO	CFR-25JR-52-220R	RES 220 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
8	R1 R10	2	YAGEO	CFR-25JR-52-1K	RES 1K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
9	R4 R5 R9 R13 R14	5	YAGEO	CFR-25JR-52-4K7	RES 4K7 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
10	R6 R15	2	YAGEO	CFR-25JR-52-100K	RES 100K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
11	U1	1	Lite-On	6N138	High Speed Optocouplers Darlington 100KBd Transistor Output	DIP8	THRU-HOLE	