

PT2399 Breakout BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C4 C12	2	KEMET	C315C561K1G5TA	CAP CER 560PF 100V C0G/NP0	2.5mm Radial	THRU-HOLE	
2	C15	1	KEMET	C320C332K5R5TA	CAP CER 3300PF 50V X7R RADIAL	2.5mm Radial	THRU-HOLE	
3	C1	1	Vishay	K392K15X7RF53L2	CAP CER 3900PF 50V X7R RADIAL	2.5mm Radial	THRU-HOLE	
4	C13	1	KEMET	C315C103K5R5TA	CAP CER 10000PF 50V X7R RADIAL	2.5mm Radial	THRU-HOLE	
5	C14 C16	2	KEMET	C320C823K5R5TA	CAP CER 0.082UF 50V X7R RADIAL	2.5mm Radial	THRU-HOLE	
6	C8 C10 C18 C19	4	KEMET	C320C104K5R5TA7317	0.1 µF ±10% 50V Ceramic Capacitor X7R Radial	2.5mm Radial	THRU-HOLE	
7	C2 C3 C7 C9 C20	5	Panasonic	ECE-A1EKS4R7I	CAP ALUM 4.7UF 20% 25V RADIAL	2.5mm Radial	THRU-HOLE	
8	C5 C6 C11	3	Panasonic	ECA-1CM100I	10 µF 16 V Aluminum Electrolytic Capacitor Radial	2.5mm Radial	THRU-HOLE	
9	C17	1	Panasonic	ECA-1CM470I	CAP ALUM 47UF 20% 16V RADIAL	2.5mm Radial	THRU-HOLE	
10	D1	1	onsemi	1N4148	Diode 100 V 200mA Through Hole DO-35	DO-35	THRU-HOLE	
11	J1 J3 J5	3	Sullins	PREC002SAAN-RC	Connector Header Through Hole 2 position 0.1"	2POS	THRU-HOLE	
12	J4	1	Sullins	PREC003SAAN-RC	Connector Header Through Hole 3 position 0.1"	3POS	THRU-HOLE	
13	J2	1	Sullins	PREC004SAAN-RC	Connector Header Through Hole 4 position 0.1"	4POS	THRU-HOLE	
14	Q1 Q2	2	onsemi	2N3904TA	BJT NPN Transistor General Purpose	TO-92 135AR Leadformed	THRU-HOLE	
15	R16	1	YAGEO	CFR-25JR-52-1K	RES 1K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
16	R15	1	YAGEO	CFR-25JR-52-2K	RES 2K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
17	R6	1	YAGEO	CFR-25JR-52-4K7	RES 4K7 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
18	R7	1	YAGEO	CFR-25JR-52-5K6	RES 5K6 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
19	R3 R4 R5 R10 R11 R12 R13	7	YAGEO	CFR-25JR-52-10K	RES 10K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
20	R14	1	Bourns	PTV09A-4020U-B103	POT 10K OHM 1/20W CARBON LINEAR	Top Adj. Snap In	THRU-HOLE	
21	R1 R8 R17	3	YAGEO	CFR-25JR-52-15K	RES 15K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
22	R9	1	Bourns	PTV09A-4020F-B503	POT 50K OHM 1/20W CARBON LINEAR	Top Adj. Snap In	THRU-HOLE	
23	R2	1	YAGEO	CFR-25JR-52-100K	RES 100K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
24	U1	1	Diodes Inc	AS7805AT-E1	IC REG LINEAR 5V 1A TO220-3	TO220	THRU-HOLE	
25	U2	1	Princeton Tech	PT2399	Audio Echo Processor IC	DIP16	THRU-HOLE	
26	Shunt Jumper	1	Sullins	STC02SYAN	CONN JUMPER SHORTING TIN	2.54mm Pitch	Jumper	Jumper install on J4 pins 2-3 "Normal"