

555 Oscillator BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C2	1	KEMET	C320C103K5R5TA	10000 pF ±10% 50V Ceramic Capacitor X7R Radial	2.5mm Radial	THRU-HOLE	
2	C1	1	KEMET	C320C104K5R5TA7317	0.1 µF ±10% 50V Ceramic Capacitor X7R Radial	2.5mm Radial	THRU-HOLE	
3	C4	1	Panasonic	ECE-A1EKS4R7I	CAP ALUM 4.7UF 20% 25V RADIAL	2.5mm Radial	THRU-HOLE	
4	C3	0						Do not install
5	D1 D2	2	onsemi	1N4148	Diode 100 V 200mA Through Hole DO-35	DO-35	THRU-HOLE	
6	J1	1	Adam Tech	PH1RA-05-UA	CONN HEADER R/A 5POS 2.54MM	5POS	THRU-HOLE	
7	R1 R2	2	YAGEO	CFR-25JR-52-2K2	RES 2K2 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
8	R4	1	Bourns	PTV09A-4020F-B503	POT 50K OHM 1/20W CARBON LINEAR	Top Adj. Snap In	THRU-HOLE	
9	R3	1	Bourns	PTV09A-4020U-B104	POT 100K OHM 1/20W CARBON LINEAR	Top Adj. Snap In	THRU-HOLE	
10	U1	1	Texas Instruments	TLC555IP	IC OSC SINGLE TIMER 2.1MHZ 8-DIP	DIP8	THRU-HOLE	