

SCT013 WiFi Current Monitor BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C2 C4	2	Vishay	K104K15X7RF5TH5	0.1 $\mu$ F $\pm$ 10% 50V Ceramic Capacitor X7R Radial	5mm Pitch	THRU-HOLE	
2	C1 C5	2	Panasonic	ECA-1CM100I	10 $\mu$ F 16 V Aluminum Electrolytic Capacitor Radial	2.5mm Pitch	THRU-HOLE	
3	C3	1						Do not install
4	J1	1	HOOYA	PJ320E	Plugin Audio Connector 3.5mm Jack		THRU-HOLE	
5	J2	1	Sullins Connector Solutions	PREC003SAAN-RC	Connector Header Through Hole 3 position 0.100"	3POS	THRU-HOLE	
6	R3	1	YAGEO	CFR-25JR-52-4K7	RES 4.7K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
7	R4 R5	2	MuRata	POT3107W-1-253	Trimmer Potentiometer 25K OHM		THRU-HOLE	
8	R1 R2	2	YAGEO	CFR-25JR-52-47K	RES 47K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
9	U1	1	Texas Instruments	LM358P	IC OPAMP GP 2 CIRCUIT 8DIP	DIP-8	THRU-HOLE	
10	U2	2	Sullins Connector Solutions	PPTC081LFBN-RC	CONN HDR 8POS 0.1 TIN PCB	8POS	THRU-HOLE	U2 should be populated with two 8 pin headers to let the user plug in a "WeMOS D1 Mini" module