

# Bill of Materials

TI DESIGNS

TIDC-WIFI-METER-READING (5VPS)

Item #	Quantity	Designator	Value	Description	Manufacturer	PartNumber	Alternate Part	Footprint	Component Link URL
1	2	C1, C2	6.8uF	CAP, AL, 6.8uF, 400V, +/-20%, TH	Rubycon	400AX6R8M8x11	400AX8.2M8X16	CAPPRD350W60	<a href="#">Rubycon</a>
2	1	C3	220pF	CAP, CERM, 220pF, 630V, +/-5%, U2J, 1206	MuRata	GRM31A7U2J221JW31D		1206	<a href="#">MuRata</a>
3	1	C4	4.7uF	CAP, CERM, 4.7uF, 25V, +/-10%,	MuRata	GRM21BC81E475KA12L		0805_HV	<a href="#">MuRata</a>
4	1	C5	470uF	CAP, TA, 470uF, 10V, +/-10%, 0.045 ohm, SMD	AVX	TPSE477K010R0045		7343-43	<a href="#">AVX</a>
5	1	C8	1000pF	CAP, CERM, 1000pF, 50V, +/-5%,	TDK	C1608C0G1H102J		0603	<a href="#">TDK</a>
6	1	C9	33pF	CAP, CERM, 33pF, 1000V, +/-5%, U2J, 1206	MuRata	GRM31A7U3A330JW31D		1206	<a href="#">MuRata</a>
7	1	D1	600V	Diode, Switching-Bridge, 100V,	Fairchild	MB6S		TO-269AA	<a href="#">Semiconductor</a>
8	1	D2	200V	Diode, Switching, 200V, 0.2A, SOD-123	Diodes Inc.	BAV21W-7-F		SOD-123	<a href="#">Diodes Inc.</a>
9	1	D3	600V	Diode, Superfast Rectifier, 600V,	Diodes Inc.	DFLR1600		powerDI123	<a href="#">Diodes Inc.</a>
10	1	D4	40V	Diode, Schottky, 40V, 10A, PowerDI5	Diodes Inc.	PDS1040L-13		PowerDI5	<a href="#">Diodes Inc.</a>
11	1	FB1	600 ohm	2A Ferrite Bead, 600 ohm @	TDK	MPZ20125601A		0805_HV	<a href="#">TDK</a>
12	1	L1	470uH	Inductor, Unshielded Drum Core, Ferrite, 470uH, 0.35A, 1.58 ohm, TH	Würth Elektronik eiSos	7447462471		IND_WE-TI_XS	<a href="#">Würth Elektronik eiSos</a>
13	1	R1	300k	RES, 300k ohm, 1%, 0.25W, 1206	Yageo America	RC1206FR-07300KL		1206	<a href="#">Yageo America</a>
14	1	R2	300	RES, 300 ohm, 1%, 0.25W, 1206	Yageo America	RC1206FR-07300RL		1206	<a href="#">Yageo America</a>
15	1	R4	22	RES, 22 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060322R0JNEA		0603	<a href="#">Vishay-Dale</a>
16	1	R5	1.3k	RES, 1.3k ohm, 5%, 0.1W, 0603	Yageo America	RC0603JR-071K3L		0603	<a href="#">Yageo America</a>
17	1	R6	36k	RES, 36k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060336K0JNEA		0603	<a href="#">Vishay-Dale</a>
18	1	R7	910k	RES, 910k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603910KJNEA		0603	<a href="#">Vishay-Dale</a>
19	1	R8	62k	RES, 62k ohm, 5%, 0.125W, 0805	Vishay-Dale	CRCW080562K0JNEA		0805	<a href="#">Vishay-Dale</a>
20	1	R9	15	RES, 15 ohm, 5%, 0.125W, 0805	Panasonic	ERJ-6GEYJ150V		0805_HV	<a href="#">Panasonic</a>
21	1	R10	3.9k	RES, 3.9k ohm, 5%, 0.1W, 0603	Yageo America	RC0603JR-073K9L		0603	<a href="#">Yageo America</a>
22	1	T1		Transformer	WURTH ELEKTRONIK	750841012			<a href="#">WURTH ELEKTRONIK</a>
23	1	U1		LOW STAND-BY POWER, CV / CC	Texas Instruments	UCC28910D		D0007A_N	<a href="#">Texas Instruments</a>

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