

WiFi Septic Controller Rev 1.1

Quantity	References	Description	Manufacturer	Part Number	Vendor	Vendor Part Number
2	C1 C2	CAP, SMD 10X10.5, 20%, EC, 50V	Panasonic	EEE-FT1H331GP	Mouser	667-EEE-FT1H331GP
5	C3 C5 C8 C10 C17	CAP, 0805, 22uf, 20%, X5R, 25V	Taiyo Yuden	TMK212BBJ226MG-TT	Mouser	963-TMK212BBJ226MGTT
2	C4 C9	CAP, 0603, 3300pF, 5%, X7R, 10V	Vishay	VJ0603Y332JXQPW1BC	Mouser	77-VJ0603Y332JXQPBC
2	C6 C7	CAP, 0603, 1000pF, 10%, X7R, 10V	Vishay	VJ0603Y102KXAAC31	Mouser	77-VJ0603Y102KXAAC31
7	C11 C12 C13 C14 C15 C21 C22	CAP, 0603, 0.1uF, 20%, X7R, 10V	Vishay	VJ0603Y104JXQPW1BC	Mouser	77-VJ0603Y104JXQPBC
2	C16 C18	CAP, 0603, 1uF, 20%, X7R, 10V	TDK	CGB3B1X7R1A105M055AC	Mouser	810-CGB3B1X7R1A105MC
2	C19 C20	CAP, 0603, 15pF, 5%, C0G, 50V	AVX	06035A150JAT2A	Mouser	581-06035A150J
1	D1	DIO, PowerDI123, Schottky Rectifier, 30V, 1A	Diodes Inc	DFLS130LQ	Mouser	621-DFLS130L
1	D2	DIO, DFS, Bridge Diode, 2A, 600V	Comchip Tech	DF206ST-G	Mouser	750-DF206ST-G
3	D3 D4 D5	TVS, SOT23, ESD TVS Protection, Dual	Texas Instruments	TPD2E2U06QDBZRQ1	Mouser	595-TPD2E2U06QDBZRQ1
1	D6	TVS, SOT23, ESD Protection, USB	Nexperia	PRTR5V0U2X,215	Mouser	771-PRTR5V0U2X-T/R
1	D7	LED, 0603, Yellow LED	Lumex	SML-LX0603SYW-TR	Mouser	696-SML-LX0603SYW
1	D8	LED, 0603, Green LED	Lumex	696-SMLLX0603SGWTR	Mouser	696-SML-LX0603SGW
1	D9	LED, 0603, Red LED	Lumex	SML-LX0603SRW-TR	Mouser	696-SML-LX0603SRW
1	D10	LED, 0603, Blue LED	Lumex	SML-LX0603USBW-TR	Mouser	696-SML-0603USBWTR
2	J1 J2	CON, THT, Terminal Block, 3.5mm, 2 Pos	Phoenix Contact	1984617	Mouser	651-1984617
2	J3 J8	CON, THT, Terminal Block, 3.5mm, 3 Pos	Phoenix Contact	1984620	Mouser	651-1984620
1	J4	CON, THT, Terminal Block, 3.5mm, 6 Pos	Phoenix Contact	1984659	Mouser	651-1984659
1	J5	CON, THT, Micro USB 2.0 Type AB, Vertical	Wurth Electronics	614105150721	Mouser	710-614105150621
1	J6	CON, THT, 2.54mm Socket, Single Row, Vertical, 18 Pos	Samtec	SSW-150-01-G-S	Digikey	SAM1209-50-ND
1		CON, THT, 2.54mm Header, Single Row, Vertical, 18 Pos	Samtec	TSW-150-14-G-S	Digikey	SAM1053-50-ND
1		MOD, LCD Negative 16X2, RGB Backlight	Unknown	GWT-C1627A-RGB	Adafruit	399
1	J7	CON, SMD, 1.27mm Header, Dual Row, Vertical, 10 Pos	Amphenol FCI	202112100010C4LF	Mouser	649-202112100010C4LF
2	L1 L2	BEAD, 1206, 1k@100MHz, 2A	Murata	BLM31KN102SH1L	Mouser	81-BLM31KN102SH1L
1	L3	BEAD, 0603, 470R@100MHz, 1A	Murata	BLM18PG471SN1D	Mouser	81-BLM18PG471SN1D
7	Q1 Q2 Q5 Q6 Q7 Q8 Q9	TRANS, SOT23, Mosfet, P-CH, 115mA, 60V	On Semiconductor	2N7002L	Mouser	512-2N7002L
1	Q3	TRANS, SOT23, Mosfet, P-CH, -5A, -20V	Diodes Inc	DMG2305UX-7	Mouser	621-DMG2305UX-7
1	Q4	TRANS, SOT363, Bipolar, PNP, Dual Matched	Diodes Inc	BCM857BS-7-F	Mouser	621-BCM857BS-7-F
1	R1	RES, 0603, 1.21M, 1%, T100	Yageo	RC0603FR-071M21L	Mouser	603-RC0603FR-071M21L
1	R2	RES, 0603, 383k, 1%, T100	Panasonic	ERJ-3EKF3833V	Mouser	667-ERJ-3EKF3833V
6	R3 R5 R9 R11 R24 R26	RES, 0603, 10k, 1%, T100	Panasonic	ERJ-3EKF1002V	Mouser	667-ERJ-3EKF1002V
1	R4	RES, 0603, 169R, 1%, T100	Panasonic	ERJ-3EKF1690V	Mouser	667-ERJ-3EKF1690V
8	R6 R12 R13 R14 R15 R16 R17 R18	RES, 1206, 22k, 5%, T200	Panasonic	ERJ-P08J223V	Mouser	667-ERJ-P08J223V
1	R7	RES, 0603, 232k, 1%, T100	Yageo	RC0603FR-07232KL	Mouser	603-RC0603FR-07232KL
1	R8	RES, 0603, 44.2k, 1%, T100	Panasonic	ERJ-3EKF4422V	Mouser	667-ERJ-3EKF4422V
1	R10	RES, 0603, 47k, 1%, T100	Panasonic	ERJ-3EKF4702V	Mouser	667-ERJ-3EKF4702V
3	R19 R20 R21	RES, 0603, 130R, 1%, T100	Panasonic	ERJ-3EKF1300V	Mouser	667-ERJ-3EKF1300V
1	R22	RES, 0603, 4.7k, 1%, T100	Panasonic	ERJ-3EKF4701V	Mouser	667-ERJ-3EKF4701V
1	R23	RES, 0603, 39R, 1%, T100	Panasonic	ERJ-3EKF39R0V	Mouser	667-ERJ-3EKF39R0V
1	R25	RES, 0603, 330R, 1%, T100	Panasonic	ERJ-3EKF3300V	Mouser	667-ERJ-3EKF3300V
2	R28 R29	RES, 0603, 698R, 1%, T100	Panasonic	ERJ-3EKF6980V	Mouser	667-ERJ-3EKF6980V
2	RL1 RL2	RLY, THT, Solid State, Form A, Protected, 230V, 450mA	IXYS	CPC1511Y	Mouser	849-CPC1511
1	RV1	POT, THT, 10k, Round	Bourns	3339P-1-103LF	Mouser	652-3339P-1-103LF
1	SW1	SW, SMD, Push Button	Omron	B3U-1000P	Mouser	653-B3U-1000P
1	SW2	SW, SMD, Push Button	Panasonic	PTS645SK70SMTR92LFS	Mouser	611-PTS645SM13SMTR92
1	T1	XFMR, THT, 120/240V to 8/16V, 310mA	Triad Magnetics	VPP16-310	Mouser	553-VPP16-310
2	U1 U2	MODULE, SMD, Simple Switcher, 17V, .65A	TI	LMZ21700SILR	Mouser	595-LMZ21700SILR
2	U3 U4	IC, SMDIP8, Optical AC Line Monitor	On Semi	MID400S	Mouser	512-MID400S
2	U5 U7	IC, SOT23-6, Dual inverting Schmitt trigger	Texas Instruments	SN74LVC2G14DBVG4	Mouser	595-SN74LVC2G14DBVG4
1	U6	MODULE, SMD, WiFi, u.FL connector	Atmel	ATWINC1500-MR210UB1140	Mouser	579-C1500MR210UB1140
1	U8	IC, QFN44, MCU, ARM, 256kB Flash, 32kB SRAM, 48MHz	Atmel	ATSAMD21G18A-MUT	Mouser	556-ATSAMD21G18A-MUT
1	Y1	XTL, SMD, 32.768kHz	Abrakon	ABS07-32.768KHZ-9-T	Mouser	815-ABS07-32.768K9T