

WiFi Gate Controller Rev 1.1

Quantity	References	Description	Manufacturer	Part Number	Vendor	Vendor Part Number
4	C1 C2 C3 C4	CAP, 0603, 1000pF, 10%, X7R, 10V	Vishay	VJ0603Y102KXAAC31	Mouser	77-VJ0603Y102KXAAC31
1	C5	CAP, SMD 8X10, 20%, EC, 35V	United Chemi-Con	EMVH350ADA101MHA0G	Mouser	661-EMVH350ADA101M
3	C6 C8 C19	CAP, 0805, 22uf, 20%, X5R, 25V	Taiyo Yuden	TMK212BBJ226MG-TT	Mouser	963-TMK212BBJ226MGTT
1	C7	CAP, 0603, 3300pF, 5%, X7R, 10V	Vishay	VJ0603Y332JXQPW1BC	Mouser	77-VJ0603Y332JXQPBC
7	C9 C10 C11 C12 C13 C15 C18	CAP, 0603, 0.1uF, 20%, X7R, 10V	Vishay	VJ0603Y104JXQPW1BC	Mouser	77-VJ0603Y104JXQPBC
2	C14 C20	CAP, 0603, 1uF, 10%, X7R, 10V	AVX	0603ZC105JAT2A	Mouser	581-0603ZC105JAT2A
2	C16 C17	CAP, 0603, 15pF, 5%, C0G, 50V	AVX	06035A150JAT2A	Mouser	581-06035A150J
4	D1 D4 D5 D6	TVS, SOT23, ESD Protection, CAN, 24V	ON Semiconductor	SZNUP2105LT1G	Mouser	863-SZNUP2105LT1G
2	D2 D3	DIO, PowerDI123, Schottky Rectifier, 30V, 1A	Diodes Inc	DFLS130LQ	Mouser	621-DFLS130L
1	D7	TVS, SMC, Transil, 1500W, 33V	ST Micro	SM15T33CA	Mouser	511-SM15T33CA
5	D8 D9 D14 D16 D17	TVS, SOT23, ESD TVS Protection, Dual	Texas Instruments	TPD2E2U06QDBZRQ1	Mouser	595-TPD2E2U06QDBZRQ1
1	D10	TVS, SOT23, ESD Protection, USB	Nexperia	PRTR5V0U2X,215	Mouser	771-PRTR5V0U2X-T/R
1	D11	LED, 0603, Red	Lumex	SML-LX0603SRW-TR	Mouser	696-SML-LX0603SRW
1	D12	LED, 0603, Yellow	Lumex	SML-LX0603SYW-TR	Mouser	696-SML-LX0603SYW
1	D13	LED, 0603, Green	Lumex	SML-LX0603SGW-TR	Mouser	696-SML-LX0603SGW
1	D15	LED, 0603, Orange	Lumex	SML-LX0603SOW-TR	Mouser	696-SML-LX0603SOW
1	J1	CON, THT, Terminal Block, Pluggable, 3.5mm, 10 Pos	Phoenix	1731565	Mouser	651-1731565
	J1 Mate	CON, THT, Terminal Block, Plug, 3.5mm, 10 Pos	Phoenix	1862933	Mouser	651-1862933
1	J2	CON, THT, Micro USB 2.0 Type AB, Vertical	Würth Electronics	614105150721	Mouser	710-614105150621
1	J3	CON, SMD, 1.27mm Header, Dual Row, Vertical, 10 Pos	Amphenol FCI	202112100010C4LF	Mouser	649-202112100010C4LF
1	JP1	CON, THT, 2.54mm Header, Single Row, Vertical, 2 Pos	Molex	22-03-2021	Mouser	538-22-03-2021
4	L1 L2 L3 L5	BEAD, 1206, 1k@100MHz, 2A	Murata	BLM31KN102SH1L	Mouser	81-BLM31KN102SH1L
1	L4	BEAD, 0603, 470R@100MHz, 1A	Murata	BLM18PG471SN1D	Mouser	81-BLM18PG471SN1D
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
1	R3	RES, 0603, 4.7k, 1%, T100	Panasonic	ERJ-3EKF4701V	Mouser	667-ERJ-3EKF4701V
16	R4 R5 R6 R10 R11 R13 R15 R18 R20 R21 R22 R23 R24 R25 R26 R27	RES, 1206, 100k, 5%, T200	Panasonic	ERJ-P08J104V	Mouser	667-ERJ-P08J104V
4	R7 R8 R9 R12	RES, 0603, 1k, 1%, T100	Panasonic	ERJ-3EKF1001V	Mouser	667-ERJ-3EKF1001V
1	R14	RES, 0603, 39R, 1%, T100	Panasonic	ERJ-3EKF39R0V	Mouser	667-ERJ-3EKF39R0V
1	R16	RES, 0603, 10k, 1%, T100	Panasonic	ERJ-3EKF1002V	Mouser	667-ERJ-3EKF1002V
1	R17	RES, 0603, 330R, 1%, T100	Panasonic	ERJ-3EKF3300V	Mouser	667-ERJ-3EKF3300V
1	SW1	SW, SMD, Push Button	Omron	B3U-1000P	Mouser	653-B3U-1000P
4	U1 U3 U4 U6	IC, SCT595, Smart Low Side Switch, 41V, 350mA	Infineon	BTS3800SL	Mouser	726-BTS3800SL
1	U2	MODULE, SMD, Simple Switcher, 17V, 650mA	TI	LMZ21700SILR	Mouser	595-LMZ21700SILR
1	U5	IC, MSOP8, 1-Wire Temperature Sensor	Maxim	DS18B20U+	Mouser	700-DS18B20U
4	U7 U9 U11 U12	IC, SOT23-6, Dual inverting Schmitt trigger	Texas Instruments	SN74LVC2G14DBVG4	Mouser	595-SN74LVC2G14DBVG4
1	U8	MODULE, SMD, WiFi, u.FL connector	Atmel	ATWINC1500-MR210UB1140	Mouser	579-C1500MR210UB1140
1	U10	IC, QFN44, MCU, ARM, 256kB Flash, 32kB SRAM, 48MHz		ATSAMD21G18A-MUT	Mouser	556-ATSAMD21G18A-MUT
1	Y1	XTL, SMD, 32.768kHz	Abracon	ABS07-32.768KHZ-9-T	Mouser	815-ABS07-32.768K9T