

WiFi Gate Controller Rev 1.1

Quantity	Reference	Value	Manufacturer	Part Number	Vendor	Vendor Part Number
4	C1-C4	1nF	Vishay	VJ0603Y102KXAAC31	Mouser	77-VJ0603Y102KXAAC31
1	C5	100uF	United Chemi-Con	EMVH350ADA101MHA0G	Mouser	661-EMVH350ADA101M
3	C6 C8 C19	22uF	Taiyo Yuden	TMK212BBJ226MG-TT	Mouser	963-TMK212BBJ226MGTT
1	C7	3.3nF	Vishay	VJ0603Y332JXQPW1BC	Mouser	77-VJ0603Y332JXQPBC
7	C9 C10-C13 C15 C18	0.1uF	Vishay	VJ0603Y104JXQPW1BC	Mouser	77-VJ0603Y104JXQPBC
2	C14 C20	1uF	AVX	0603ZC105JAT2A	Mouser	581-0603ZC105JAT2A
2	C16 C17	15pF	AVX	06035A150JAT2A	Mouser	581-06035A150J
4	D1 D4-D6	NUP2105L	ON Semiconductor	SZNUP2105LT1G	Mouser	863-SZNUP2105LT1G
2	D2 D3	DFLS130	Diodes Inc	DFLS130LQ	Mouser	621-DFLS130L
1	D7	SM15T33CA	ST Micro	SM15T33CA	Mouser	511-SM15T33CA
5	D8 D9 D14 D16 D17	TPD2E2U06-Q1	Texas Instruments	TPD2E2U06QDBZRQ1	Mouser	595-TPD2E2U06QDBZRQ1
1	D10	PRTR5V0U2X	Nexperia	PRTR5V0U2X,215	Mouser	771-PRTR5V0U2X-T/R
1	D11	Red	Lumex	SML-LX0603SRW-TR	Mouser	696-SML-LX0603SRW
1	D12	Yellow	Lumex	SML-LX0603SYW-TR	Mouser	696-SML-LX0603SYW
1	D13	Green	Lumex	SML-LX0603SGW-TR	Mouser	696-SML-LX0603SGWTR
1	D15	Orange	Lumex	SML-LX0603SOW-TR	Mouser	696-SML-LX0603SOW
1	J1		Phoenix	1731565	Mouser	651-1731565
1	J1 Mate		Phoenix	1862933	Mouser	651-1862933
1	J2	USB B Micro	Würth Electronics	614105150721	Mouser	710-614105150621
1	J3	Cortex Debug	Amphenol FCI	202112100010C4LF	Mouser	649-202112100010C4LF
1	JP1	LED Disable	Molex	22-03-2021	Mouser	538-22-03-2021
1	JP1 Shunt		Kycon	SX1100-A	Mouser	806-SX1100-A
4	L1-L3 L5	1k@1MHz	Murata	BLM31KN102SH1L	Mouser	81-BLM31KN102SH1L
1	L4	470@1MHz	Murata	BLM18PG471SN1D	Mouser	81-BLM18PG471SN1D
1	R1	1.21M	Yageo	RC0603FR-071M21L	Mouser	603-RC0603FR-071M21L
1	R2	383k	Panasonic	ERJ-3EKF3833V	Mouser	667-ERJ-3EKF3833V
1	R3	4.7k	Panasonic	ERJ-3EKF4701V	Mouser	667-ERJ-3EKF4701V
16	R4-R6 R10-R11 R13 R15 R18 R20-R27	100k	Panasonic	ERJ-P08J104V	Mouser	667-ERJ-P08J104V
4	R7-R9 R12	1k	Panasonic	ERJ-3EKF1001V	Mouser	667-ERJ-3EKF1001V
1	R14	39	Panasonic	ERJ-3EKF39R0V	Mouser	667-ERJ-3EKF39R0V
1	R16	10k	Panasonic	ERJ-3EKF1002V	Mouser	667-ERJ-3EKF1002V
1	R17	330	Panasonic	ERJ-3EKF3300V	Mouser	667-ERJ-3EKF3300V
1	SW1		Omron	B3U-1000P	Mouser	653-B3U-1000P
4	U1 U3 U4 U6	BTS3800SL	Infineon	BTS3800SL	Mouser	726-BTS3800SL
1	U2	LMZ21700	TI	LMZ21700SILR	Mouser	595-LMZ21700SILR
1	U5	DS18B20U	Maxim	DS18B20U+	Mouser	700-DS18B20U
4	U7 U9 U11 U12	74LVC2G14	Texas Instruments	SN74LVC2G14DBVG4	Mouser	595-SN74LVC2G14DBVG4
1	U8	ATWINC1500-MR210UB	Atmel	ATWINC1500-MR210UB1140	Mouser	579-C1500MR210UB1140
1	U10	SAMD21G18-M	Atmel	ATSAMD21G18A-MUT	Mouser	556-ATSAMD21G18A-MUT
1	Y1	32.768kHz	Abracon	ABS07-32.768KHZ-9-T	Mouser	815-ABS07-32.768K9T