













Item #	Item Name Error:Manufacturer	#Column Name Error:Manufacturer No	Quantity	#Column Name Error:Note	Designator	Description	Footprint	Comment	LibRef
1			17		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C16, C17, C21, C22	CAP CER 0402 100nF 16V 10% X7R	C0402	100nF	GRM155R71C104KA88D
2			6		C14, C15, C18, C19, C20, C23	CAP CER 9PF 50V NP0 0603, CAP CER 9PF 50V NP0 0603, CAP CER 1UF 25V X5R 0402, CAP CER 1UF 25V X5R 0402, CAP CER 10UF 6.3V X5R 0603, CAP CER 0.1UF 50V 10% X7R 0603	C0603	0603	CL10C090CB8NNNC, CL10C090CB8NNNC, CL05A105KA5NQNC, CL05A105KA5NQNC, CL10A106K06NNNC, CL10B104KB88SFNC
3			6		D1, D2, D4, D5, D6, D7	LED 0805 Yellow	LED2012120	5988140107F	5988140107F
4			1		D3	DIODE SCHOTTKY 23V 1A SOD323	BAT20JFILM - DIOM1712X11N	BAT20JFILM	BAT20JFILM
5			1		FB1	BLM15HG601SN1D	BLM15HG601SN1D	BLM15HG601SN1D	BLM15HG601SN1D
6			2		H1, H2	3mm Hole	Hole-3mm	M3 Hole	Hole
7			1		IC1	ESP8266 ESP-02	ESP8266 ESP-02	ESP8266 ESP-02	ESP8266 ESP-02
8			8		J1, J2, J3, J4, J5, J7, J9, J11	CONN HEADER PH TOP 4POS 2MM	B4B-PH-K-S(LF)(SN)	B4B-PH-K-S LF SN	B4B-PH-K-S LF SN
9			1		J6	Micro USB Jack B	Micro USB Circular Holes Only	DX4R005J91R5100	Micro USB
10			1		J8	CONN HEADER PH SIDE 2POS 2MM	S2B-PH-K-S(LF)(SN)	S2B-PH-K-S(LF)(SN)	S2B-PH-K-S(LF)(SN)
11			1		J10	CONN HEADER PH SIDE 2POS 2MM	S3B-PH-K-S(LF)(SN)	S3B-PH-K-S(LF)(SN)	S3B-PH-K-S(LF)(SN)
12			1		J12	FTSH-105-XX-X-DV ARM Cortex JTAG	FTSH-105-XX-X-DV	FTSH-105-XX-X-DV	FTSH-105-XX-X-DV
13			1		P2	Header, 3-Pin	HDR1X3	Header 3	Header 3
14			1		Q1	MOSFET P-CH 30V 2.5A SOT-23	DMG2307L-7 - SOT92P240X102-3N	DMG2307L-7	DMG2307L-7
15			7		R1, R2, R3, R6, R7, R22, R23	RES 0603 1K 100mW 1%	R0603	1K	ERJ-3EKF1001V
16			10		R4, R5, R8, R9, R10, R12, R14, R15, R18, R19	RES 0603 4.7K 100mW 1%	R0603	4.7K	ERJ3EKF4701V
17			2		R11, R13	RES SMD 2K OHM 1% 1/8W 0805	R0805	ERJ-6ENF2001V	ERJ-6ENF2001V
18			1		R16	RES SMD 487 OHM 1% 1/16W 0402	R0402	RC1005F4870CS	RC1005F4870CS
19			1		R17	Standin 0402	R0402	100K	Standin 0402
20			2		R20, R21	RES SMD 27 OHM 0.5% 1/16W 0402	R0402	RR0510R-270-D	RR0510R-270-D
21			1		SW1	TL3301AF160QG	TL3301AF160QG	TL3301AF160QG	TL3301AF160QG
22			1		U1	ARM Cortex M0+ Microcontroller for Low Power Applications, MKL1x Series	MKL17Z256VFM4 - QFN50P500X500X65_HS-33N	MKL17Z256VFM4 - 32 Pin VQFN	MKL17Z256VFM4 - 32 Pin VQFN
23			1		U2	Dual 4-channel analog multiplexer/demultiplexer	74HC4052	74HC4052	74HC4052
24			1		U3	IC EXPANDABLE 5CH I2C HUB 20SOIC	PCA9518DWR	PCA9518DWR	PCA9518DWR
25			1		U4	IC BATT CHARGER LI-ION 10WSON (VBUS and Solar Voltaic Cell)	bq24210 - QFN50P300X200X80-10N	BQ24210DOCT	BQ24210DOCT
26			1		U5	IC REG LDO 3.3V 0.8A SOT89	AZ1117CR-3.3TRG1 - SOT89-150P410X160-3N	AZ1117CR-3.3TRG1	AZ1117CR-3.3TRG1
27			1		U6	IC USB FS I2C 16QFN	FT201XQ-R - QFN6SP400X400X80_HS-17N	FT201XQ-R	FT201XQ-R
28			1		X1	32.768kHz ±20ppm Crystal 9pF 70 kOhm -40°C ~ 85°C Surface Mount 2-SMD	ABS07-32.768KHZ-9-T	ABS07-32.768KHZ-9-T	ABS07-32.768KHZ-9-T