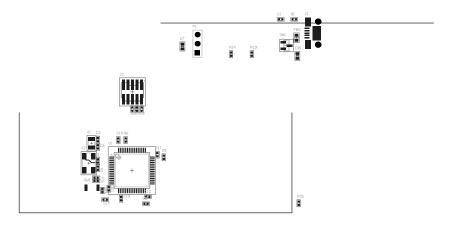


C23*



C17



C10 REI RE2 75 DA2

156 U4 Dhg Ct9

	mn Name Error:Manufac #Column Name Error:Manufacturer No Quantity	#Column Name Error:Note Designate	r Description	Footprint	Comment	LibRef
1	min Name Error Manufacturer No Quantity	#Column Name Error.Note Designate	CAP CER 47PF 50V NP0 0402	C0402	0402	CL05C470FB5NNNC
2	2	C2, C3	CAP CER 18PF 50V NP0 0402	C0402	18pF	CL05C180GB5NCNC
3	19	C4, C10, C11, C12		C0402	0.1uF	CL05B104JP5NNNC
,	19	C14, C18, C19, C2		00402	0.101	CEOSE 10401 SINNING
		C22, C23, C24, C2				
		C27, C28, C29, C3				
4	2	C5, C6	CAP CER 9PF 50V NP0 0402	C0402	9pF	CL05C090CB5NNNC
5	4	C7, C15, C16, C17			0603	CL05A105KA5NQNC,
3	"	07, 015, 016, 017	CER 10UF 6.3V X5R 0603	00003	0003	CL05A105KA5NQNC,
			CEN 100F 0.3V ASK 0003			CL05A105KA5NQNC,
						CL10A106KQ8NNNC
	2	C8, C9	CAP CER 2.2UF 6.3V X5R 0402	C0402	2.2uF	CL05A225KQ5NSNC
7		C31	CAP CER 2:20F 0:3V X3K 0402 CAP CER 10000PF 10V U2J 0603	C0603	0.01uF	GRM1857U1A103JA44D
-			CAP CER 10000FF 104 023 0003	C0402	4.7uF	CL05A475KQ5NRNC
9		C32	DIODE SCHOTTKY 23V 1A SOD323	BAT20JFILM -	BAT20JFILM	BAT20JFILM
9		Di	DIODE SCHOTTKY 25V TA SOD325		BA1200FILW	BA120JFILW
40		Do.	LED OPERALOLEAD 2000 OMB	DIOM1712X11N	150.0	TOT CASHICOLET
10	1	D2	LED GREEN CLEAR 0603 SMD	LED0603_GREEN	LED Green	LTST-C191KGKT
11	1 1	D3	LED ORANGE CLEAR 0603 SMD	LED0603_ORANGE	LED Orange	LTST-C191KFKT
12		DA1	TVS DIODE 5VWM 28VC SOT23	SOT95P230X110-3N	PESD5V0L2BT,215	PESD5V0L2BT,215
13	8	DA2, DA3, DA4, D	A5, DA6, TVS DIODE 3.3VWM 26VC SOT23	SOT95P230X110-3N	PESD3V3L2BT,215	PESD3V3L2BT,215
		DA7, DA8, DA9				
14		FB1	FERRITE BEAD 600 OHM 0402 1LN	BLM15HG601SN1D	BLM15HG601SN1D	BLM15HG601SN1D
15		FB2	FERRITE BEAD 30 OHM 0603 1LN	MI0603K300R-10	MI0603K300R-10	MI0603K300R-10
16	1	IC1	ESP8266 ESP-02	ESP8266 ESP-02	ESP8266 ESP-02	ESP8266 ESP-02
17		J1	Micro USB Jack B	Micro USB Circular Holes	DX4R005J91R5100	Micro USB
				Only		
18	1	J2	20021121-00010C4LF ARM COrtex JTAG	FTSH-105-XX-X-DV	20021121-00010C4LF	20021121-00010C4LF
19	1	J3	CONN HEADER PH SIDE 2POS 2MM	S2B-PH-K-S(LF)(SN)	S2B-PH-K-S(LF)(SN)	S2B-PH-K-S(LF)(SN)
20	1	J4	CONN HEADER PH SIDE 2POS 2MM	S3B-PH-K-S(LF)(SN)	S3B-PH-K-S(LF)(SN)	S3B-PH-K-S(LF)(SN)
21	8	J5, J6, J7, J8, J9,	J10, 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
		J12				
22	1	P1	Header, 3-Pin	HDR1X3	Header 3	Header 3
23	1	P2	Header, 2-Pin	HDR1X2	Header 2	Header 2
24	1	Q1	MOSFET P-CH 30V 2.5A SOT-23	DMG2307L-7 -	DMG2307L-7	DMG2307L-7
				SOT92P240X102-3N		
25	1	R1	RES SMD 1M OHM 1% 1/16W 0402	R0402	1M	RC1005F105CS
26	8	R2, R3, R4, R5, R1	9, R20, RES SMD 1K OHM 1% 1/16W 0402	R0402	1k	RC1005F102CS
		R21, R22				
27	1	R6	RES SMD 10K OHM 1% 1/16W 0402	R0402	10K	RC1005F103CS
28	2	R7, R8	RES SMD 2K OHM 1% 1/8W 0805	R0805	ERJ-6ENF2001V	ERJ-6ENF2001V
29	1	R9	Standin 0402	R0402	100K	Standin 0402
30	1	R10	RES SMD 487 OHM 1% 1/16W 0402	R0402	RC1005F4870CS	RC1005F4870CS
31	8	R11, R12, R13, R1	RES 0603 4.7K 100mW 1%	R0603	4.7K	ERJ3EKF4701V
		R16, R17, R18				
32	2	R23, R24	RES SMD 22 OHM 0.1% 1/16W 0402	R0402	22r	1879208-9
33	1	R25	RES SMD 47K OHM 1% 1/16W 0402	R0402	47K	RC1005F473CS
34	4	RN1, RN2, RN3, RN		EXB-N8V201JX - CAC-	200 ohm	EXB-N8V201JX
				50P200X100-8N		
35	2	SW1, SW2	SWITCH TACTILE SPST-NO 0.05A 12V	B3U-1000P	B3U-1000P	B3U-1000P
36	1	U1		STM32F446RET6 -	STM32F446RET6 - TQFP64	STM32F446RET6
				TSQFP50P1200X1200X160-		1
				64N		
37	1	U2	IC BATT CHARGER LI-ION 10WSON (VBUS and Solar Voltaic Cell)	bq24210 -	BQ24210DQCT	BQ24210DQCT
				QFN50P300X200X80-10N		
38	1	U3	IC REG LDO 3.3V 0.8A SOT89	AZ1117CR-3.3TRG1 - SOT89	AZ1117CR-3.3TRG1	AZ1117CR-3.3TRG1
				150P410X160-3N		
39	1	U4	IC EXPANDABLE 5CH I2C HUB 20SOIC	PCA9518DWR	PCA9518DWR	PCA9518DWR
40	1	U5	Dual 4-channel analog multiplexer/demultiplexer	74HC4052	74HC4052	74HC4052
41	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
42	1	X2	8MHz ±20ppm Crystal 18pF 200 Ohm 20° C ~ 70°C Surface Mount 4SMD, No Lead (DFN, LCC)	ABM3B8.000MHZB2T	8MHZ	ABM3B8.000MHZB2T
		**-			11	1
42		I				