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item#	imn Name Error: Manufacturer No	Quantity	#Column Name Error:Note De	esignator	Description CAP CER 47PF 50V NP0 0402	Footprint C0402	0402	CL05C470FB5NNNC
2	 	2	C2, C3		CAP CER 18PF 50V NP0 0402	C0402	18pF	CL05C180GB5NCNC
3		23		10, C11, C12,	CAP CER 0.1UF 10V X7R 0402		0.1uF	CL05B104JP5NNNC
3		25		C18, C19, C20,	OAL OEKO. IOI 100 ATKO402	00402	0.101	OLOGO 10401 SINING
				C23, C24, C25,				
				C28, C29, C30,				
			C33, C34,					
4		2	C5, C6	033	CAP CER 9PF 50V NP0 0402	C0402	9pF	CL05C090CB5NNNC
5		2	C8, C9		CAP CER 2.2UF 6.3V X5R 0402		2.2uF	CL05A225KQ5NSNC
6		3	C15, C16,	C17	CAP CER 1UF 25V X5R 0402, CAP CER 1UF 25V X5R 0402, CAP CER 10UF 6.3V X5R 0603		0603	CL05A105KA5NQNC,
Ü			010, 010,	···	DIN DER TOT EDV NOR O'DE, O'N DER TOT EDV NOR O'DE, O'N DER TOT DIN O'DE NOR O'DE	00000	0000	CL05A105KA5NQNC,
								CL10A106KQ8NNNC
7		1	C31		CAP CER 10000PF 10V U2J 0603	C0603	0.01uF	GRM1857U1A103JA44D
8		1	C32		CAP CER 4.7UF 6.3V X5R 0402	C0402	4.7uF	CL05A475KQ5NRNC
9		1	D1		DIODE SCHOTTKY 23V 1A SOD323		BAT20JFILM	BAT20JFILM
-						DIOM1712X11N		
10		1	D2		LED GREEN CLEAR 0603 SMD	LED0603_GREEN	LED Green	LTST-C191KGKT
11		1	D3		LED ORANGE CLEAR 0603 SMD	LED0603_ORANGE	LED Orange	LTST-C191KFKT
12		2	D4, D5		DIODE ARRAY GP 100V 250MA 6TSSOP	BAV70S	BAV70S,115	BAV70S
13		10		, DA3, DA4, DA5,	TVS DIODE 3.3VWM 26VC SOT23	SOT95P230X110-3N	PESD3V3L2BT,215	PESD3V3L2BT,215
				, DA8, DA9, DA10			, ,	, , ,
				, , , , ,				
14		1	DA11		TVS DIODE 5VWM SOT23-6	ESDA6V1BC6	ESDA6V1BC6	ESDA6V1BC6
15		1	FB1		FERRITE BEAD 600 OHM 0402 1LN		BLM15HG601SN1D	BLM15HG601SN1D
16		1	FB2		FERRITE BEAD 30 OHM 0603 1LN		MI0603K300R-10	MI0603K300R-10
17		1	IC1		ESP8266 ESP-02	ESP8266 ESP-02	ESP8266 ESP-02	ESP8266 ESP-02
18		1	J1		Micro USB Jack B		DX4R005J91R5100	DX4R005J91R5100
19		1	J2		20021121-00010C4LF ARM COrtex JTAG		20021121-00010C4LF	20021121-00010C4LF
20		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)
21		1	J4		CONN HEADER PH SIDE 2POS 2MM		S3B-PH-K-S(LF)(SN)	S3B-PH-K-S(LF)(SN)
22		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
			J12					
23		4	J13, J14, J	J15, J16	CONN HEADER PH TOP 3POS 2MM	B3B-PH-K-S(LF)(SN)	B3B-PH-K-S(LF)(SN)	B3B-PH-K-S(LF)(SN)
24		1	P1		Header, 3-Pin, Dual row	HDR2X3	Header 3X2	Header 3X2
25		1	P2		Header, 2-Pin	HDR1X2	Header 2	Header 2
26		1	P3		Header, 3-Pin	HDR1X3	Header 3	Header 3
27		1	Q1		MOSFET P-CH 30V 2.5A SOT-23	DMG2307L-7 -	DMG2307L-7	DMG2307L-7
						SOT92P240X102-3N		
28		1	R1		RES SMD 1M OHM 1% 1/16W 0402	R0402	1M	RC1005F105CS
29		8	R2, R3, R4	4, R5, R19, R20,	RES SMD 1K OHM 1% 1/16W 0402	R0402	1k	RC1005F102CS
			R21, R22					
30		2	R6, R26		RES SMD 10K OHM 1% 1/16W 0402	R0402	10K	RC1005F103CS
31		2	R7, R8		RES SMD 2K OHM 1% 1/8W 0805	R0805	ERJ-6ENF2001V	ERJ-6ENF2001V
32		1	R9		Standin 0402	R0402	100K	Standin 0402
33		1	R10		RES SMD 487 OHM 1% 1/16W 0402		RC1005F4870CS	RC1005F4870CS
34		10	R11, R12, I	R13, R14, R15,	4.7k Ohm ±1% 0.063W, 1/16W Surface Mount Resistor Thick Film ±100ppm/°C 0402 (1005 Metric)	R0402	4k7	RC1005F472CS
				R18, R27, R28				
35		2	R23, R24		RES SMD 22 OHM 0.1% 1/16W 0402	R0402	22r	1879208-9
36		1	R25		RES SMD 47K OHM 1% 1/16W 0402	R0402	47K	RC1005F473CS
37		4	R29, R30, I		RES SMD 200 OHM 1% 1/16W 0402	R0402	200 ohm	RC1005F201CS
38		4	RN1, RN2,	, RN3, RN4	RES ARRAY 4 RES 200 OHM 0804		200 ohm	EXB-N8V201JX
						50P200X100-8N		
39		2	SW1, SW2	2	SWITCH TACTILE SPST-NO 0.05A 12V	B3U-1000P	B3U-1000P	B3U-1000P
40		2	TP1, TP2		Socket	Alligator-TP	Test-Point	Test Point, Alligator-Style
41		11		TP5, TP6, TP7,	Socket	TP-2	Test-Point	Test Point, Surface-Style
				TP10, TP11,				
			TP12, TP13	3				
42		1	U1				STM32F446RET6 - TQFP64	STM32F446RET6
						TSQFP50P1200X1200X160-		
		H .				64N		
43		1	U2		IC BATT CHARGER LI-ION 10WSON (VBUS and Solar Voltaic Cell)	bq24210 -	BQ24210DQCT	BQ24210DQCT
—		 			10 050 1 00 0 01/ 0 04 00700	QFN50P300X200X80-10N	A TALLATOR O OTROL	1711170D 0 07D01
44		1	из		IC REG LDO 3.3V 0.8A SOT89	AZ1117CR-3.3TRG1 - SOT89-	AZ1117CR-3.31RG1	AZ1117CR-3.3TRG1
		.			IO EVENNINADI E FOLLIGO LI ID COCCIO	150P410X160-3N	DOLOGIADINO	DOVOCAODINID
45		1 1	U4		IC EXPANDABLE 5CH I2C HUB 20SOIC		PCA9518DWR	PCA9518DWR
46		1 1	U5		Dual 4-channel analog multiplexer/demultiplexer	74HC4052	74HC4052	74HC4052
47		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
48		1	X2		8MHz ±20ppm Crystal 18pF 200 Ohm 20° C ~ 70°C Surface Mount 4SMD, No Lead (DFN, LCC)	ABM3B8.000MHZB2T	8MHZ	ABM3B8.000MHZB2T
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