









Bill Of M	A latorials	В		с Bill Of Mate	rials	D	E	
Line #	Designator	Commont	Quantity	Line #	Designator	Comment	Quantity	
Line #	Designator	Comment	Quantity				Quantity	
1	C1, C2, C8, C9	22uF	4	45	R50, R56	100	2	
2	C3, C10	2u2F	2	46	R51	10	1	
3	C4, C13	1nF	2	47	R53	NP	1	
4	C5, C6, C7, C11, C12, C14	22nF	6	48	S1	SW SPDT	1	
5	C15, C18, C20, C21, C34,	0.1uF	10	49	S2, S3, S4	SW PB	3	
3	C35, C39, C41, C42, C51	0. Tul	10	50	U1, U2	STSPIN250	2	
6	C16, C36, C38, C47, C48,	10nF	7	51	U3	LTC3112	1	
O	C49, C50	TOTIF	'	52	U4	AP2115M-3.3TRG1	1	
7	C17, C29	10uF	2	53	U5	LMV358QDDUR	1	
	C19, C24, C26, C28, C30,		4.0	54	U6	TLV6713	1	
8	C40, C43, C44, C45, C46	1uF	10			NB: this pinout is only true	for	
9	C22	680pF	1	55	U7	the UFQFPN32 model!!	101 1	
10	C23, C31	47uF	2	56	U8, U9	SN74LV1T34	2	
		47pF	2	50			4	
11	C25, C37		4	57	W1	Jumper	1	
12	C27	10pF	1	58	Y1	32768Hz	1	
13	C32, C33	4.7uF	2					
14	C52, C53	4.3nF	2					
15	D1	Diode Tranzorb	1					
16	D2, D3, D4, D8	BZX84J-B12,115	4					
17	D5, D6, D7		3					
18	IC1	BMI088 Shuttle board 3.0	1					
19	IC2	ESP32-WROOM-32D	1					
20	L1	Inductor	1					
21	P1	Header 3X2	1					
	P3	Tag-Connect TC2050-IDC-NL	1					
22			1	-				
23	P4	5025840970	I					
24	P5, P6, P7, P8, P9	JST_SH/SR 3POS 1MM - Side	5					
		entry						
25	Q1, Q2	MOSFET-P-Power_2	2					
26	Q3, Q4, Q5	BSS138	3					
27	R1, R11, R23, R31, R35, R36,	10k	10					
20	R39, R42, R44, R54	401-	2	-				
28	R2, R12, R62	18k	3	-				
29	R3, R13	22k	2					
30	R4	4.42k	1					
31	R5, R6, R7, R8, R15, R16, R17, R18	1.6	8					
32	R9, R19, R21, R22, R24, R27,	1k	8					
	R29, R38		0	-				
33	R10, R20, R41	47k	3	-				
34	R14	2.32k	1					
35	R25, R57, R58, R59, R60	0Ohm	5					
36	R26, R28	330R	2					
37	R30, R48, R49, R55	1.4k	4					
38	R32, R37	1M	2]				
39	R33	845k	1	1				
40	R34	33k	1	1				
41	R40	143k	1	1				
42	R43, R52		2	1				
		100k		-				
43	R45, R46	499k 0.1%	2	-				
44	R47	110k 0.1%	1	J				
	A	В		С		D	E	