

## BLAK RPI SHORT FOR SYSADMIN BOM

Id	Reference	Box	Quantity	Description	comments
2	IC1	TCA8418-WQFN-24-1EP_4x4mm	1	TCA8418	offer TCA8418RTWR
5	R2,R3,R4	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	3	4.7k	
7	J4	usbAsmd	1	USB_A	<a href="https://fr.aliexpress.com/item/32754227092.html">https://fr.aliexpress.com/item/32754227092.html</a>
8	J3	Raspberry_Pi_Zero_SMD	1	Connector-ML:RPI_GPIO	<a href="https://www.reichelt.at/2-x-20-pin-smd-header-straight-pitch-2-54-sl-2x20g-smd2-54-p51721">https://www.reichelt.at/2-x-20-pin-smd-header-straight-pitch-2-54-sl-2x20g-smd2-54-p51721</a>
9	AUD1	WM8960_5x5mm_P0.5mm_EP3.65x3.65mm	1	WM8960	<a href="https://statics.cirrus.com/pubs/proDatasheet/WM8960_v4.4.pdf">https://statics.cirrus.com/pubs/proDatasheet/WM8960_v4.4.pdf</a>
10	C1,C2,C5,C7	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	10	10uF	
11	C3,C4,C6,C8	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	15	100nF	
12	C14,C15	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	2	100uF	SMD 1210 / C1210C107M4PAC
13	C16,C18,C24	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	10	33pF	
14	J1	JST_PH_B2B-PH-SM4-TB_1x02-1MP_P2.00mm_Vertical	1	LEFT Speaker	B2B-PH-SM4-TB(LF)(SN)
15	J2	JST_PH_B2B-PH-SM4-TB_1x02-1MP_P2.00mm_Vertical	1	RIGHT Speaker	B2B-PH-SM4-TB(LF)(SN)
16	J5	Jack_JP328	1	JACK_328	<a href="https://fr.aliexpress.com/item/32798674012.html">https://fr.aliexpress.com/item/32798674012.html</a>
17	J7	JST_PH_B2B-PH-SM4-TB_1x02-1MP_P2.00mm_Vertical	1	BattCONX	B2B-PH-SM4-TB(LF)(SN)
18	k1	SW_TP1003	1	1	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*5
19	k2	SW_TP1003	1	2	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*6
20	k3	SW_TP1003	1	3	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*7
21	k4	SW_TP1003	1	4	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*8
22	k5	SW_TP1003	1	5	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*9
23	k6	SW_TP1003	1	6	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*10
24	k7	SW_TP1003	1	7	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*11
25	k8	SW_TP1003	1	8	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*12
26	k9	SW_TP1003	1	9	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*13
27	k10	SW_TP1003	1	0	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*14
28	kbA1	SW_TP1003	1	A	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*15
29	kbALT1	SW_TP1003	1	Alt	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*16
30	kbALTG1	SW_TP1003	1	AltG	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*17
31	kbB1	SW_TP1003	1	B	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*18
32	kbBKSP1	SW_TP1003	1	BckSp	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*19
33	kbC1	SW_TP1003	1	C	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*20
34	kbCTRL1	SW_TP1003	1	CTRL	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*21
35	kbD1	SW_TP1003	1	D	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*22
36	kbDEL1	SW_TP1003	1	DEL	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*23
37	kbESC1	SW_TP1003	1	ESC	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*24
38	kbF1	SW_TP1003	1	F	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*25
39	kbFn1	SW_TP1003	1	F1	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*26
40	kbFn2	SW_TP1003	1	F2	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*27
41	kbFn3	SW_TP1003	1	F3	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*28
42	kbG1	SW_TP1003	1	G	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*29
43	kbH1	SW_TP1003	1	H	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*30
44	kbI1	SW_TP1003	1	I	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*31
45	kbJ1	SW_TP1003	1	J	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*32
46	kbK1	SW_TP1003	1	K	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*33
47	kbL1	SW_TP1003	1	L	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*34
48	kbM1	SW_TP1003	1	M	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*35
49	kbN1	SW_TP1003	1	N	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*36
50	kbO1	SW_TP1003	1	O	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*37

51	kbP1	SW_TP1003	1	P	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*38
52	kbQ1	SW_TP1003	1	Q	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*39
53	kbR1	SW_TP1003	1	R	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*40
54	kbRET1	SW_TP1003	1	Return	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*41
55	kbS1	SW_TP1003	1	S	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*42
56	kbShiftL1	SW_TP1003	1	L-Shift	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*43
57	kbShiftR1,am	SW_TP1003	5	R-Shift	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*44
58	kbSpace0,kb!	SW_TP1003	3	Space	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*45
59	kbSup1	SW_TP1003	1	SUP-INF	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*46
60	kbT1	SW_TP1003	1	T	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*47
61	kbTAB1	SW_TP1003	1	TAB	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*48
62	kbU1	SW_TP1003	1	U	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*49
63	kbV1	SW_TP1003	1	V	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*50
64	kbW1	SW_TP1003	1	W	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*51
65	kbX1	SW_TP1003	1	X	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*52
66	kbY1	SW_TP1003	1	Y	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*53
67	kbZ1	SW_TP1003	1	Z	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*54
68	kwE1	SW_TP1003	1	E	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*55
69	L1,L2,L3,L4	L_0603_1608Metric_Pad1.05x0.95mm_HandSolder	4	BLM18BD252SN1	BLM18BD252SN1D
70	Mk1,Mk2	aos3729a-t42	2	Aos3729a-t42	offer AOS3729A-T42-NXC
71	R1,R7,R8,R9	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	5	10R	
73	U3	SOT-223-3_TabPin2	1	AP1117-33	AP1117E33G-13 SOT223
74	X1	Oscillator_SMD_ECS_2520MV-xxx-xx-4Pin_2.5x2.0mm	1	JPY2520 24M3.3V	Oscillator:Oscillator_SMD_ECS_2520MV-xxx-xx-4Pin_2.5x2.0mm <a href="http://www.abraco">http://www.abraco</a>
75	R6,R10,R20	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	3	10k	
78	LED1,LED2	LED_WS2812B_PLCC4_5.0x5.0mm_P3.2mm	2	WS2812B_LED	
79	R5	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1	300	300R
80	C34,C35	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	2	22pF	
81	C39,C40,C41	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	6	10pF	
85	R12	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1	470R	
86	R13	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1	5k	NO 5K, offer 4.99K
87	R14	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1	1k	
88	R15,R16	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2	0R	
89	U10	SOIC-20W_7.5x12.8mm_P1.27mm	1	MCP2200-I-SO	MCP2200-I/SO
91	Y1	Crystal_SMD_HC49-SD_HandSoldering	1	12mHZ	<b>12 MHZ</b> <a href="https://fr.aliexpress.com/item/32846225923.html">https://fr.aliexpress.com/item/32846225923.html</a>
92	SW1,SW2	SW_SPDT_PCM12	2	SPST	<a href="https://fr.aliexpress.com/item/32885643326.html">https://fr.aliexpress.com/item/32885643326.html</a>
93	D1	D_SOD-123	1	1N4001	1N4001 SMA
95	Q1	SOT-23	1	S9013	
96	R17	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1	1K	
97	R18	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1	100K	
98	R19	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1	12R	
99	kbBTN1,kbB1	SW_TP1003	2	BTN3	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*55
102	kbFn4	SW_TP1003	1	F4	<a href="https://fr.aliexpress.com/item/32820232659.html">https://fr.aliexpress.com/item/32820232659.html</a> Button 6*6*55

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