

# Pi1541-HAT Rev. 1

## Bill of Material Rev. 1.0

Pos.	Qty	Value	Footprint	Ref.-No.	Comment
1	1	111-2-01-01	2 Layer	PCB Rev. 1	2 layer, Cu 35 $\mu$ , HASL, 56.0mm x 65.25mm, 1.6mm FR4
2	1	369-1-008	MICMA08B	X3	MicroMatch MPE, e.g. Reichelt MPE 369-1-008
3	1	372-1-008		(X3)	option: MicroMatch MPE, e.g. Reichelt MPE 372-1-008
4	1	0.96IN_OLED_128X64_SS D1306	OLED_0.96_SSD 1306	M2	0.96" OLED Display 128x64, controller: SSD1306 or 1.3" OLED Display 128x64, controller SH1106
5	1	115-1-004		(M2)	option: MPE Garry, e.g. Reichelt MPE 115-1-004
6	2	010599	10599	J1, J2	Lumberg, e.g. Reichelt 010599 06
7	3	100n	0805	C1, C2, C3	
8	10	10k	0805	R6, R7, R8, R9, R10, R11, R12, R13, R14, R15	
9	2	150R	0805	R16, R17	
10	3	1k	0805	R3, R4, R5	
11	1	33R	0805	R19	
12	1	3mm_gn	3MM	LD2	LED 3mm, green
13	1	3mm_red	3MM	LD1	LED 3mm, red
14	1	74LS04D	SO-14	IC2	
15	1	74LS06N	DIL-14	IC1	
16	1	BC846B	SOT23	Q5	
17	4	BSS138	SOT23	Q1, Q2, Q3, Q4	
18	2	JMP_0603	CP3P	JP1, JP2	Jumper, default: 0R/0603 (1-2)
19	2	0R	0603	(JP1), (JP2)	
20	1	JPT1236HB	JTP_1236HB	SW6	Namae Electronics, e.g. Reichelt TASTER 3305B
21	5	JTP-1130	JTP-1130	SW1, SW2, SW3, SW4, SW5	Namae Electronics, e.g. Reichelt TASTER 9303
22	1	LL4148	SOD80C	D1	Diode
23	1	369-1-004	MICMA04B	X2	MicroMatch MPE, e.g. Reichelt MPE 369-1-004
24	1	372-1-004		(X2)	option: MicroMatch MPE, e.g. Reichelt MPE 372-1-004
25	1	369-1-010	MICMA06B	X1	MicroMatch MPE, e.g. Reichelt MPE 369-1-010
26	1	372-1-010		(X1)	option: MicroMatch MPE, e.g. Reichelt MPE 372-1-010
27	1	RASPBERRYPI 3B		M1	Raspberry Pi 3B or better

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28	1	MPE 094-2-040		(M1)	MPE, e.g. Reichelt MPE 094-2-040
29	1	RMP-14P/HT	RMP-14P/HT	SPK1	KM, e.g. Reichelt SUMMER EPM 121
30	1	4k7	0805	R18	
31	2	dnp	0805	R1, R2	option OR, not placed
32	1	27k	0805	R20	