

Bill Of Materials

Line #	Designator	Quantity	Manufacturer Part Number
1	C1	1	EEE-FT1V101AP
2	C2, C3	2	GRT31CR61H106ME01L
3	C4, C7, C8, C9, C11, C15, C16, C17, C19, C24	10	C0805C104K5RACTU
4	C5	1	C0805C103K5RACTU
5	C6, C14, C21	3	C0805C225K4RACTU
6	C10	1	C0805C510K5GACTU
7	C12, C13, C18, C20	4	GRM32ER61A107ME20L
8	C22, C23	2	SCCT20E106SRB
9	DZ1	1	BZT52C10-E3-08
10	EXT1	1	SSQ-120-03-T-D
11	FID1, FID2, FID3	3	
12	J1	1	691322110002
13	J2	1	HLE-120-02-F-DV-BE
14	J3	1	SSQ-102-01-T-S
15	J4	1	5-146256-3
16	JP1	1	22-28-4023
17	L1	1	XAL6060-103MEB
18	L2	1	XAL5030-222MEB
19	LD1	1	LTST-S220KGKT
20	LD2	1	LTST-S220KSKT
21	LNK1	1	2-881545-2
22	PB1	1	1-1825027-4
23	PL1	1	691361100002
24	Q1, Q2	2	DMP6023LFG
25	Q3	1	SISA88DN-T1-GE3
26	Q4, Q5, Q6	3	BSS138K-13
27	R1, R2, R3, R24, R27	5	RC0805FR-07100KL
28	R4, R12, R13, R14, R19	5	RC0805FR-074K7L
29	R5	1	RC0805FR-0710KL
30	R6, R8, R9, R20, R23, R26	6	RC0805FR-07200KL
31	R7, R16	2	RC0805FR-0739KL
32	R10	1	RC0805FR-0788K7L
33	R11	1	RC0805FR-0722KL
34	R15	1	RC0805FR-07120KL
35	R17	1	RC0805FR-071KL
36	R18	1	KRL2012E-M-R010-F-T5
37	R21, R22	2	RC0805FR-071M05L
38	R25	1	RC0805FR-0722K1L
39	TVS1	1	SMAJ26CA
40	U1	1	MBT3946DW1T1G
41	U2	1	LMR23630AFDDAR
42	U3	1	LTC4041IUFD#PBF
43	U4	1	ATTINY25-20SUR

Assembly Notes

- 1
- Place C22, C23 (#8) Orizontally and on the TOP Side - Apply glue around the PCB
- 2
- Place J3 (#14) if the raspberry is a PI 3 Model B
- 3
- Place J3 (#14) if the raspberry is a PI 4 Model B
- 4
- Place EXT1 (#10) under the board and press firmly untill the pins will come out completely form connector J2 (#13)

