Bill of Materials
Tulip Creative Computer V4R9

Item	Qty	Reference(s)	Value	Manufacturer	Part #	Supplier 1	Supplier 1 #	Supplier 2	Supplier 2 #
1	11	C1, C4, C8, C9, C11, C13, C15, C17, C26, C27, C30	0.1uF	Kemet	C0805C104K5RAC7411	Mouser	80-C0805C104K5RACLR	DigiKey	399-C0805C104K5RAC7800CT-ND
2	5	C2, C32, C33, C34, C35	22uF	Kemet	C1210C226M4RAC7210	Mouser	80-C1210C226M4RACLR	DigiKey	399-C1210C226M4RAC7210CT-ND
3	5	C3, C5, C29, C31, C36	4.7uF	Kemet	C0805C475K3RACTU	Mouser	80-C0805C475K3RACTU	DigiKey	399-C0805C475K3RAC7800CT-ND
4	2	C6, C7	47pF	Kemet	C0805C470K5RACTU	Mouser	80-C0805C470K5RACTU	DigiKey	399-C0805C470K5RAC7800CT-ND
5	3	C10, C21, C25	220uF	WE	865060345007	Mouser	710-865060345007	DigiKey	732-8524-1-ND
6	4	C12, C14, C16, C28	10uF	WE	865060340001	Mouser	710-865060340001	DigiKey	732-8518-1-ND
7	4	C18, C19, C22, C23	2.2uF	Kemet	C0805C225K3RACTU	Mouser	80-C0805C225K3R	DigiKey	399-11941-1-ND
8	2	C20, C24	0.47uF	Kemet	C0805C474K3RACTU	Mouser	80-C0805C474K3R	DigiKey	399-C0805C474K3NAC7800CT-ND
9	1	D1	1N4148WS	Vishay	1N4148WS-G3-08	Mouser	78-1N4148WS-G3-08	DigiKey	1N4148WS-G3-08GICT-ND
10	1	D2	B340AE-13	Diodes Inc	B340AE-13	Mouser	621-B340AE-13	DigiKey	B340AE-13DICT-ND
11	1	FB1	120R	Murata	BLM21PG121SN1D	Mouser	81-BLM18SG121TN1D	DigiKey	490-BLM21PG121BH1DCT-ND
12	1	J1	XF2M-4015-1A	Omron	XF2M-4015-1A	Mouser	653-XF2M-4015-1A	DigiKey	OR729CT-ND
13	1	J2	1734709-4	TE	1734709-4	Mouser	571-1734709-4	DigiKey	A99957CT-ND
14	2	J3, J5	217179-0001	Molex	217179-0001	Mouser	538-217179-0001	DigiKey	900-2171790001CT-ND
15	3	J4, J6, J7	SJ2-35863B1	CUI	SJ2-35863B1-SMT-TR	Mouser	595-TPA6110A2DGNR	DigiKey	CP-SJ2-35863B1-SMT-CT-ND
16	1	J8	1734827-2	TE	1734827-2	Mouser	571-1734827-2	DigiKey	455-S2B-PH-SM4-TBCT-ND
17	1	L1	1uH	Vishay Dale	IFSC1515AHER1R0M01	Mouser	70-IFSC1515AHER1R0M0	DigiKey	541-1403-1-ND
18	1	Q1	DMP3099L	Diodes Inc	DMP3099L-13	Mouser	621-DMP3099L-13	DigiKey	DMP3099L-13DICT-ND
19	9	R1, R2, R11, R14, R27, R28, R30, R31, R32	10K	Bourns	CR0805-FX-1002ELF	Mouser	652-CR0805FX-1002ELF	DigiKey	CR0805-FX-1002ELFCT-ND
20	2	R3, R4	2.4K	Bourns	CR0805-FX-2401ELF	Mouser	652-CR0805FX-2401ELF	DigiKey	CR0805-FX-2401ELFCT-ND
21	2	R5, R6	100K	Bourns	CR0805-FX-1003ELF	Mouser	652-CR0805FX-1003ELF	DigiKey	CR0805-FX-1003ELFCT-ND
22	2	R7, R8	27R	Bourns	CR0805-FX-27R0ELF	Mouser	652-CR0805FX-27R0ELF	DigiKey	118-CMP0603AFX-27R0ELFCT-ND
23	2	R9, R10	5.1K	Bourns	CR0805-FX-5101ELF	Mouser	652-CR0805FX-5101ELF	DigiKey	CR0805-FX-5101ELFCT-ND
24	1	R12	220R	Bourns	CR0805-FX-2200ELF	Mouser	652-CR0805FX-2200ELF	DigiKey	CR0805-FX-2200ELFCT-ND
25	3	R13, R22, R23	470R	Bourns	CR0805-FX-4703ELF	Mouser	652-CR0805FX-4703ELF	DigiKey	118-CMP1206-FX-4703ELFCT-ND
26	2	R15, R16	0R	Bourns	CR0805-J/-000ELF	Mouser	652-CR0805-J/-000ELF	DigiKey	CR0805-J/-000ELFCT-ND
27	1	R17	33R	Bourns	CR0805-FX-3002ELF	Mouser	652-CR0805FX-33R0ELF	DigiKey	118-CR0805-FX-3002ELFCT-ND
28	1	R18	10R	Bourns	CR0805-FX-10R0ELF	Mouser	652-CR0805FX-10R0ELF	DigiKey	118-CR0805-FX-10R0ELFCT-ND
29	2	R19, R20	56K	Bourns	CR0805-FX-5602ELF	Mouser	652-CR0805FX-5602ELF	DigiKey	118-CR0805-FX-5602ELFCT-ND
30	2	R21, R26	33K	Bourns	CR0805-FX-3002ELF	Mouser	652-CR0805FX-3002ELF	DigiKey	CR1206-FX-3002ELFCT-ND
31	2	R24, R25	22K	Bourns	CR0805-FX-2202ELF	Mouser	652-CR0805FX-2202ELF	DigiKey	CR0805-FX-2202ELFCT-ND
32	1	R29	2K	Bourns	CR0805-FX-2001ELF	Mouser	652-CR0805FX-2001ELF	DigiKey	CR0805-FX-2001ELFCT-ND
33	1	SW1	JS102011JAQN	C&K	JS102011JAQN	Mouser	611-JS102011JAQN	DigiKey	CKN10720CT-ND
34	1	U1	ESP32-S3-WROOM-2-N32R8V	Espressif	ESP32-S3-WROOM-2-N32R8V	Mouser	356-ESP3S3WRM2N32R8V	DigiKey	1965-ESP32-S3-WROOM-2-N32R8VCT-ND
35	1	U2	MBT3904DW1T1G	Onsemi	MBT3904DW1T1G	Mouser	863-MBT3904DW1T1G	DigiKey	MBT3904DW1T1GOSCT-ND
36	2	U3, U7	USBLC6-2SC6	ST	USBLC6-2SC6	Mouser	511-USBLC6-2SC6	DigiKey	497-5235-1-ND
37	1	U4	FT231XS	FTDI	FT231XS-R	Mouser	895-FT231XS-R	DigiKey	768-1129-1-ND
38	1	U5	MIC2005A-2YM5-TR	Microchip	MIC2005A-2YM5-TR	Mouser	998-MIC2005A-2YM5TR	DigiKey	576-3464-1-ND
39	1	U6	H11L1SR2M	Onsemi	H11L1SR2M	Mouser	512-H11L1SR2M	DigiKey	H11L1SR2MCT-ND
40	1	U8	PCM5101A-Q1	TI	PCM5101AQPWRQ1	Mouser	595-PCM5101AQPWRQ1	DigiKey	296-37276-1-ND
41	1	U9	TPA6110A2DGN	TI	TPA6110A2DGNR	Mouser	595-TPA6110A2DGNR	DigiKey	296-31976-1-ND
42	1	U10	MCP73832	Microchip	MCP73832T-2ACI/OT	Mouser	579-MCP73832T-2ACIOT	DigiKey	MCP73832T-2ACI/OTCT-ND
43	1	U11	MAX17048G	Analog Devices	MAX17048G+T10	Mouser	700-MAX17048G+T10	DigiKey	MAX17048G+T10CT-ND
44	1	U12	TPS7A4533DCQR	TI	TPS7A4533DCQR	Mouser	595-TPS7A4533DCQR	DigiKey	296-37002-1-ND
45	1	U13	MIC2875-5.0YMT	Microchip	MIC2875-5.0YMT	Mouser	998-MIC2875-50YMTT5	Microchip	MIC2875-5.0YMT-TR
46	1	VR1	RK10J12R0A0B	Alps	RK10J12R0A0B	Mouser	688-RK10J12R0A0B		