

## BB3+ test mainboard BOM

#	Reference	Value	DigiKey	Mouser	TME	LCSC	Qty
1	C1,C2,C4,C5,C6,C12,C13,C27,C30,C31,C32,C33,C34,C45, 100n C46,C47,C50,C52,C53,C54,C55,C56,C57,C62,C63,C64,C6 5,C66,C67,C68,C69,C70,C71,C73,C74,C75,C76,C77,C78,C 80,C81,C82,C83,C84,C85,C86,C87,C88,C90,C92		490-4774-1-ND	80-C0603C104M4R	CL10B104KA8NNNC	C1590	50
2	C3,C21,C28,C29,C44,C61,C89	10u	1276-1052-6-ND	187-CL21A106KPFNNNE	CL21A106KPFNNNE	C17024	7
3	C7,C8	6p8	1276-1793-1-ND	187-CL10C6R8CB8NNNC	CL10C6R8CB8NNNC	C318672	2
4	C9,C25,C26,C35,C42,C43	10n	1276-1009-1-ND	187-CL10B103KB8NNNC	CL10B103KB8NNNC	C1589	6
5	C10,C11,C72	4u7	1276-1044-1-ND	187-CL10A475KP8NNNC	CL10A475KP8NNNC	C1705	3
6	C14,C23	1u	311-1445-1-ND	187-CL10B105KB8NQNC	CL10B105KB8NQNC	C5199872	2
7	C15	2n2	1276-1110-1-ND	187-CL10B222KB8NNNC	CL10B222KB8NNNC	C16033	1
8	C16,C17,C18,C20	220n	490-GRT188R71E224KE01DCT-ND	81-GRT188R71E224KE1D	CL10B224KA8NNNC	C21120	4
9	C19	CE5R5105HF-ZJ	CE5R5105HF-ZJ	-	-	-	1
10	C22	100n/X2	399-6806-ND	80-R46KI310000M1M	R46KI310000M1M	-	1
11	C24	EEEFK1V470P	PCE3842CT-ND	667-EEE-FK1V470P	EEEFK1V470P	C178565	1
12	C36,C37,C51	47p	1276-1037-1-ND	187-CL10C470JB8NNNC	CL10C470JB8NNNC	C1671	3
13	C38,C39,C40,C41,C58,C59	22u	1276-1100-1-ND	187-CL21A226MQQNNNE	CL21A226MQQNNNE	C5674	6
14	C48,C49	18p	1276-1089-1-ND	187-CL10C180JB8NNNC	CL10C180JB8NNNC	C1647	2
15	C60,C93,C94	865080142007	732-8472-1-ND	710-865080142007	EEEHA0J101WR	-	3
16	C79,C91,C95	10n/200V	311-4491-1-ND	603-C1206KRX7RABB103	VJ1206Y103KXCTW1BC	C49652935	3
17	D1,D2,D3,D4,D5,D6,D7,D8	BAS316	1727-7370-1-ND	771-BAS316-T/R	BAS316,115	C109218	8
18	D9	PTVS22VP1UP.115	497-SM6F22AYCT-ND	771-PTVS22VP1UP115	PTVS22VP1UP.115	C461181	1
19	D10	BAT54C	BAT54C-FDICT-ND	637-BAT54C	BAT54C.215	C37704	1
20	FB1,FB2,FB3	60R@100MHz	490-7809-1-ND	81-BLM18AG102SH1D	BLM18AG102SH1D	C337877	3
21	IC1	SN74HCS02PWR	296-SN74HCS02PWRCT-ND	595-SN74HCS02PWR	-	C2868020	1
22	IC2	TPS3851H18EDRBR	296-51959-1-ND	595-TPS3851H18EDRBR	TPS3851H18EDRBT	C702216	1
23	IC3	M24C32-DFDW6TP	497-16067-1-ND	511-M24C32-DFDW6TP	M24C32-DFDW6TP	C2971426	1
24	IC4	STM32G071R8T6	497-STM32G071R8T6-ND	511-STM32G071R8T6	STM32G071R8T6	C432214	1
25	IC5	TPA6205A1DGN	296-34563-5-ND	595-TPA6205A1DGN	TPA6205A1DGN	C202248	1
26	IC6	SN74LVC1G14DBVR	296-11607-1-ND	595-SN74LVC1G14DBVR	SN74LVC1G14DBVR	C19829661	1
27	IC7,IC8,IC10	TPS62933ODRLR	296-TPS62933ODRLRTR-ND	595-TPS62933ODRLR	-	C6290372	3
28	IC9	USB5816C-I/KD	USB5816C/KD-ND	579-USB5816C/KD	-	C633972	1
29	IC11	FUSB303BTMX	488-FUSB303BTMXCT-ND	863-FUSB303BTMX	-	C895444	1
30	IC12	TPS2069E	296-TPS2068EDBVRCT-ND	595-TPS2068EDBVR	-	C19272843	1
31	IC13	RT9742SNGV	1028-RT9742SNGVCT-ND	835-RT9742SNGV	-	C3235509	1
32	IC14,IC15,IC18	TPD4E001DRLR	296-21887-1-ND	595-TPD4E001DRLR	-	C527516	3
33	IC16	TPD12S016PWR	296-29690-1-ND	595-TPD12S016PWR	-	C201665	1
34	IC17	MIC2026A-1YM-TR	576-3733-5-ND	998-MIC2026A-1YMTR	MIC2026A-1YM	C627741	1
35	JP1,JP11,JP14	~	M22-2010346-ND	855-M22-2010346	-	C6658749	3
36	L1	6u8	553-BMRA000606306R8MA1CT-ND	603-BMRA00606306R8MA1	-	C2838323	1
37	L2,L3	2u2	118-SRP6030WA-2R2MCT-ND	652-SRP6030WA-2R2M	-	C19947691	2
38	L4	1u	118-SRP6030WA-1R0MCT-ND	652-SRP6030WA-1R0M	-	C19947689	1
39	LED1	LTST-C170KGKT	160-1414-2-ND	859-LTST-C170KGKT	LTST-C170KGKT	C98221	1
40	LED2,LED3,LED4,LED5,LED6	LTST-C170KRKT	160-1415-1-ND	859-LTST-C170KRKT	LTST-C170KRKT	C94868	5
41	Module1	2x DF40HC(3.0)-100DS-0.4V(51	26-DF40HC(3.0)-100DS-0.4V(51)CT-ND	798-DF40HC30100DS451	-	C424649	1
42	OK1	TLP291(GB.SE(T	TLP291(GBSE-ND	757-TLP291GBSE	TLP291-GB.SE-T	C2942904	1
43	Q1,Q2,Q5	2N7002	T2N7002AKLMCT-ND	757-T2N7002AKLM	2N7002LT1G	C16338	3
44	Q3,Q4	MMBT5401	MMBT5401-FDICT-ND	621-MMBT5401-F	MMBT5401	C21488	2
45	Q6,Q7	DMP3013SFV-7	DMP3013SFV-7DICT-ND	621-DMP3013SFV-7	DMP3013SFV-7	C264098	2
46	R1,R2,R4,R8,R76,R77	330R	311-330HRCT-ND	603-RC0603FR-07330RL	SMD0603-330R-1%	C105881	6
47	R3,R9,R12,R21,R27,R35,R36,R37,R40,R43,R46,R47,R48, 10K R50,R51,R53,R56,R59,R61,R62,R65,R67,R75		1712-CRGH0603F10KCT-ND	756-WCR0603-10KFI	SMD0603-10K-1%	C98220	23

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48	R5,R6,R38,R39,R54,R64	100K	311-100KHRCT-ND	603-RC0603FR-07100KL	SMD0603-100K-1%	C14675	6
49	R10,R13,R26	100R	13-RC0603FR-10100RLCT-ND	603-RC0603FR-10100RL	RC0603FR-10100RL	C1512171	3
50	R11,R28,R30,R68	47K	13-RC0603FR-1347KLTR-ND	603-RC0603FR-0747KL	SMD0603-47K-1%	C105579	4
51	R14,R15,R23	1K8	311-1.8KLDCT-ND	603-RC0603FR-071K8L	SMD0603-1K8-1%	C185354	3
52	R16,R17,R20,R22,R24,R25,R66	20K	311-20.0KHRCT-ND	603-RC0603FR-0720KL	SMD0603-20K-1%	C105575	7
53	R18	18K			SMD0603-18K-1%	C114610	1
54	R19,R63	12K			SMD0603-12K-1%	C114659	2
55	R29,R32	1K			CQ0603-1K-1%		2
56	R31	470K	A126370CT-ND	71-CRCW0805470KFKEA	0805S8J0474T5E	C844627	1
57	R33	3K3			SMD0603-3K3-1%		1
58	R34,R52,R55,R60	200K			SMD0603-3K3-1%		4
59	R41	62K			SMD0603-62K-1%		1
60	R42	36K5			SMD0603-36.5K-1%		1
61	R44,R45	11K8			ERJH3EF1182V		2
62	R57	49K9			SMD0603-49.9K-1%		1
63	R58	43K			SMD0603-43K-1%		1
64	R69,R70,R73,R74	499K			SMD0603-499K-1%		4
65	R71,R72	68R			SMD0603-68R-1%		2
66	SP1	CMI-9605-1280T	102-CMI-9605-1280T-ND	490-CMI-9605-1280T	CMI-9605-1280T	C5621417	1
67	SP2	CMS-151504-SMT-TR	2223-CMS-151504-SMT-TRCT-ND	179-CMS-151504-SMTTR	CMS-151504-SMT-TR	-	1
68	SW1	WBL2UOAGQR05CLR	WBL2UOAGQR05CLR-ND	612-WBL2UOAGQR05CLR	WBL2UOAGQR05CLR	C3634718	1
69	SW2	LP4EE1RBATY	EG4655-ND	612-LP4EE1RBATY	-	C3615938	1
70	SW3	PEC16-2215F-S0024	PEC16-2215F-S0024-ND	652-PEC16-2215FS0024	-	-	1
71	TR1	IRM-30-12	1866-3043-ND	709-IRM30-12	IRM-30-12	C193294	1
72	X1	1-2199230-6	A118046TR-ND	571-1-2199230-6	123A-40M00	C4710843	1
73	X3	571-0400	-	164-7140	571-0400	-	1
74	X4	GSP1.9101.1	486-4100-ND	693-GSP1.9101.1	GSP1.910C.1	C17204965	1
75	X5	PJ-002BH-SMT-TR	CP-002BHPJCT-ND	490-PJ-002BH-SMT-TR	-	C3094235	1
76	X6	USB4056-03-A	2073-USB4056-03-ACT-ND	640-USB4056-03-A	USB4056-03-A	C7407280	1
77	X7	0862-1J1T-43-F	5923-0862-1J1T-43-F-ND	530-0862-1J1T-43-F	0862-1J1T-43-F	C5862718	1
78	X8	SS-53000-002	609-4614-1-ND	649-10029449-111RLF	10029449-111RLF	C6301913	1
79	X9,X14		5051102091 WM11288CT-ND	538-505110-2291	5051102291-MOL	C3168367	2
80	X10,X13	10018783-10101TLF	609-1969-ND	649-18783-10101TLF	1001878310101T-0	C4494856	2
81	X11,X12	77313-802-20LF	PH2-20-UA	649-77313-802-20LF	ZL202-20G	C3327336	2
82	X15	TBP03R1-350-10BE	2223-TBP03R1-350-10BE-ND	179-TBP03R1-350-10BE	-	C3585132	1
83	Y1	32.768KHz	535-ABS07AIG-32.768KHZ-6-D-TCT-ND	815-S07AIG-32.76-6DT	-	C1985457	1
84	Y2	ABM8-25.000MHZ-D2X-T	505-14398-1-ND	815-ABM825MHZD2XT	325G-25.000MDDJ-T	C1986777	1
85	ZD1	BZT52-B3V9X	1727-8115-1-ND	771-BZT52-B3V9J	BZT52-B3V9X	C550213	1