

BB3+ test mainboard BOM

#	Reference	Value	Qty	DigiKey	Mouser	TME	LCSC
1	C15	2n2	1	1276-1110-1-ND	187-CL10B222KB8NNNC	CL10B222KB8NNNC	C16033
2	C19	CE5R5105HF-ZJ	1	CE5R5105HF-ZJ	-	-	-
3	C22	100n/X2	1	399-6806-ND	80-R46KI310000M1M	MKPX2-100NR15	-
4	C24	EEEFK1V470P	1	PCE3842CT-ND	667-EEE-FK1V470P	EEEFK1V470P	C178565
5	C1,C2,C4,C5,C6,C12,C13,C27,C29,C33,C35,C36,C51,C52,C53,C56,C58,C59,C60,C61,C62,C63,C69,C70,C71,C72,C73,C74,C75,C76,C77,C78,C80,C81,C82,C83,C84,C85,C87,C88,C89,C90,C91,C92,C93,C94,C95,C97,C99	100n	49	490-4774-1-ND	80-C0603C104M4R	CL10B104KA8NNNC	C1590
6	C10,C11,C79	4u7	3	1276-1044-1-ND	187-CL10A475KP8NNNC	CL10A475KP8NNNC	C1705
7	C14,C23,C31,C40	1u	4	311-1445-1-ND	187-CL10B105KB8NQNC	CL10B105KB8NQNC	C5199872
8	C16,C17,C18,C20	220n	4	490-GRT188R71E224KE01DCT-ND	81-GRT188R71E224KE1D	CL10B224KA8NNNC	C21120
9	C3,C21,C28,C30,C38,C50,C68,C96	10u	8	1276-1052-6-ND	187-CL21A106KPFNNNE	CL21A106KPFNNNE	C17024
10	C39,C42,C43,C44,C45,C48,C49,C64,C65,C66	22u	10	1276-1100-1-ND	187-CL21A226MQQNNNE	CL21A226MQQNNNE	C5674
11	C41,C57	47p	2	1276-1037-1-ND	187-CL10C470JB8NNNC	CL10C470JB8NNNC	C1671
12	C54,C55	18p	2	1276-1089-1-ND	187-CL10C180JB8NNNC	CL10C180JB8NNNC	C1647
13	C67,C100,C101	865080142007	3	732-8472-1-ND	710-865080142007	EEEHA0J101WR	-
14	C7,C8	6p8	2	1276-1793-1-ND	187-CL10C6R8CB8NNNC	CL10C6R8CB8NNNC	C318672
15	C86,C98,C102	10n/200V	3	311-4491-1-ND	603-C1206KRX7RABB103	VJ1206Y103KXCTW1BC	C49652935
16	C9,C25,C26,C32,C34,C37,C46,C47	10n	8	1276-1009-1-ND	187-CL10B103KB8NNNC	CL10B103KB8NNNC	C1589
17	D9	BAT54C	1	BAT54C-FDICT-ND	637-BAT54C	BAT54C.215	C37704
18	D10	PTVS22VP1UP.115	1	497-SM6F22AYCT-ND	771-PTVS22VP1UP115	PTVS22VP1UP.115	C461181
19	D1,D2,D3,D4,D5,D6,D7,D8	BAS316	8	1727-7370-1-ND	771-BAS316-T/R	BAS316,115	C109218
20	FB1,FB5,FB6	60R@100MHz	3	490-7809-1-ND	81-BLM18AG102SH1D	BLM18AG102SH1D	C337877
21	FB2,FB3,FB4	BLE18PS080SN1D	3	490-BLE18PS080SN1DCT-ND	81-BLE18PS080SN1D	BLE18PS080SN1D	C3764407
22	IC1	SN74HCS02PWR	1	296-SN74HCS02PWRCT-ND	595-SN74HCS02PWR	-	C2868020
23	IC2	TPS3851H18EDRBR	1	296-51959-1-ND	595-TPS3851H18EDRBR	TPS3851H18EDRBT	C702216
24	IC3	M24C32-DFDW6TP	1	497-16067-1-ND	511-M24C32-DFDW6TP	M24C32-DFDW6TP	C2971426
25	IC4	STM32G071R8T6	1	497-STM32G071R8T6-ND	511-STM32G071R8T6	STM32G071R8T6	C432214
26	IC5	TPA6205A1DGN	1	296-34563-5-ND	595-TPA6205A1DGN	TPA6205A1DGN	C202248
27	IC6	SN74LVC1G14DBVR	1	296-11607-1-ND	595-SN74LVC1G14DBVR	SN74LVC1G14DBVR	C19829661
28	IC7	LM64460CPPQRYFRQ1	1	296-LM64460CPPQRYFRQ1CT-ND	595-LM64460CPPQRYFQ1	-	C34500172
29	IC9	USB5816C-I/KD	1	USB5816C/KD-ND	579-USB5816C/KD	-	C633972
30	IC11	FUSB303BTMX	1	488-FUSB303BTMXCT-ND	863-FUSB303BTMX	-	C895444
31	IC12	TPS2068E	1	296-TPS2068EDBVRCT-ND	595-TPS2068EDBVR	-	C19272843
32	IC13	RT9742SNGV	1	1028-RT9742SNGVCT-ND	835-RT9742SNGV	-	C3235509
33	IC16	TPD12S016PWR	1	296-29690-1-ND	595-TPD12S016PWR	-	C201665
34	IC17	MIC2026A-1YM-TR	1	576-3733-5-ND	998-MIC2026A-1YMTR	MIC2026A-1YM	C627741
35	IC14,IC15,IC18	TPD4E001DRLR	3	296-21887-1-ND	595-TPD4E001DRLR	TPD4E001DRLR	C527516
36	IC8,IC10	TPS62933ODRLR	2	296-TPS62933ODRLRTR-ND	595-TPS62933ODRLR	-	C6290372
37	JP2,JP12,JP15	~	3	M22-2010346-ND	855-M22-2010346	-	C6658749
38	L1	6u8	1	553-BMRA000606306R8MA1CT-ND	603-BMRA00606306R8MA1	-	C2838323
39	L3	2u2	1	118-SRP6030WA-2R2MCT-ND	652-SRP6030WA-2R2M	-	C19947691
40	L2,L4	1u	2	118-SRP6030WA-1R0MCT-ND	652-SRP6030WA-1R0M	-	C19947689
41	LED1	LTST-C170KGKT	1	160-1414-2-ND	859-LTST-C170KGKT	LTST-C170KGKT	C98221
42	LED2,LED3,LED4,LED5,LED6	LTST-C170KRKT	5	160-1415-1-ND	859-LTST-C170KRKT	LTST-C170KRKT	C94868
43	Module1	2x DF40HC(3.0)-100DS-0.4V(51	1	26-DF40HC(3.0)-100DS-0.4V(51)CT-ND	798-DF40HC30100DS451	-	C424649
44	OK1	TLP291(GB.SE(T	1	TLP291(GBSE-ND	757-TLP291GBSE	TLP291-GB.SE-T	C2942904
45	Q1,Q2,Q5	2N7002	3	T2N7002AKLMCT-ND	757-T2N7002AKLM	2N7002LT1G	C16338
46	Q3,Q4	MMBT5401	2	MMBT5401-FDICT-ND	621-MMBT5401-F	MMBT5401	C21488
47	Q6,Q7	DMP3013SFV-7	2	DMP3013SFV-7DICT-ND	621-DMP3013SFV-7	DMP3013SFV-7	C264098

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48 R18	18K	1			SMD0603-18K-1%	C114610
49 R31	470K	1	A126370CT-ND	71-CRCW0805470KFKEA	0805S8J0474T5E	C844627
50 R33	3K3	1			SMD0603-3K3-1%	
51 R40	36K5	1			SMD0603-36.5K-1%	
52 R41	11K8	1			ERJH3EF1182V	
53 R54	49K9	1			SMD0603-49.9K-1%	
54 R55	43K	1			SMD0603-43K-1%	
55 R1,R2,R4,R8,R73,R74	330R	6	311-330HRCT-ND	603-RC0603FR-07330RL	SMD0603-330R-1%	C105881
56 R10,R13,R26	100R	3	13-RC0603FR-10100RLCT-ND	603-RC0603FR-10100RL	RC0603FR-10100RL	C1512171
57 R11,R28,R30,R65	47K	4	13-RC0603FR-1347KLTR-ND	603-RC0603FR-0747KL	SMD0603-47K-1%	C105579
58 R14,R15,R23	1K8	3	311-1.8KLDCT-ND	603-RC0603FR-071K8L	SMD0603-1K8-1%	C185354
59 R16,R17,R20,R22,R24,R25,R63	20K	7	311-20.0KHRCT-ND	603-RC0603FR-0720KL	SMD0603-20K-1%	C105575
60 R19,R60	12K	2			SMD0603-12K-1%	C114659
61 R29,R32	1K	2			CQ0603-1K-1%	
62 R3,R9,R12,R21,R27,R35,R36,R38,R42,R43,R44,R45,R47,R48,R50,R53,R56,R58,R59,R62,R64,R72	10K	22	1712-CRGH0603F10KCT-ND	756-WCR0603-10KFI	SMD0603-10K-1%	C98220
63 R34,R49,R52,R57	200K	4			SMD0603-200K-1%	
64 R5,R6,R37,R39,R51,R61	100K	6	311-100KHRCT-ND	603-RC0603FR-07100KL	SMD0603-100K-1%	C14675
65 R66,R67,R70,R71	499K	4			SMD0603-499K-1%	
66 R68,R69	68R	2			SMD0603-68R-1%	
67 SP1	CMI-9605-1280T	1	102-CMI-9605-1280T-ND	490-CMI-9605-1280T	CMI-9605-1280T	C5621417
68 SP2	CMS-151504-SMT-TR	1	2223-CMS-151504-SMT-TRCT-ND	179-CMS-151504-SMTTR	CMS-151504-SMT-TR	-
69 SW1	WBL2UOAGQR05CLR	1	WBL2UOAGQR05CLR-ND	612-WBL2UOAGQR05CLR	WBL2UOAGQR05CLR	C3634718
70 SW2	LP4EE1RBATY	1	EG4655-ND	612-LP4EE1RBATY	-	C3615938
71 SW3	PEC16-2215F-S0024	1	PEC16-2215F-S0024-ND	652-PEC16-2215FS0024	-	-
72 TR1	IRM-45-12	1	1866-3053-ND	709-IRM45-12	IRM-45-12	C5772350
73 X1	1-2199230-6	1	A118046TR-ND	571-1-2199230-6	123A-40M00	C4710843
74 X3	571-0400	1	-	164-7140	571-0400	-
75 X4	GSP1.9101.1	1	486-4100-ND	693-GSP1.9101.1	GSP1.910C.1	C17204965
76 X5	PJ-002BH-SMT-TR	1	CP-002BHPJCT-ND	490-PJ-002BH-SMT-TR	-	C3094235
77 X6	USB4056-03-A	1	2073-USB4056-03-ACT-ND	640-USB4056-03-A	USB4056-03-A	C7407280
78 X7	0862-1J1T-43-F	1	5923-0862-1J1T-43-F-ND	530-0862-1J1T-43-F	0862-1J1T-43-F	C5862718
79 X8	SS-53000-002	1	380-SS-53000-002-ND	530-SS-53000-002	-	C6301913
80 X9	5051102091	1	WM11288CT-ND	538-505110-2291	5051102291-MOL	C3168367
81 X15	TBP03R1-350-10BE	1	2223-TBP03R1-350-10BE-ND	179-TBP03R1-350-10BE	-	C3585132
82 X10,X13	10018783-10101TLF	2	609-1969-ND	649-18783-10101TLF	1001878310101T-0	C4494856
83 X11,X12	77313-802-20LF	2	PH2-20-UA	649-77313-802-20LF	ZL202-20G	C3327336
84 Y1	32.768KHz	1	535-ABS07AIG-32.768KHz-6-D-TCT-ND	815-S07AIG-32.76-6DT	-	C1985457
85 Y2	ABM8-25.000MHZ-D2X-T	1	535-14398-1-ND	815-ABM825MHZD2XT	325G-25.000MDDJ-T	C1986777
86 ZD1	BZT52-B3V9X	1	1727-8115-1-ND	771-BZT52-B3V9J	BZT52-B3V9X	C550213