

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,C30,C31,C32,C33,C34,C45,C46,C47,C50,C52,C53,C54,C55,C56,C57,C62,C63,C64,C65,C66,C67,C68,C69,C70,C71,C73,C74,C75,C76,C77,C78,C80,C81,C82,C83,C84,C85,C86,C87,C88,C90,C92 | 100n | 50 | 490-4774-1-ND | 80-C0603C104M4R | CL10B104KA8NNNC | C1590 |
| 6 | C10,C11,C72 | 4u7 | 3 | 1276-1044-1-ND | 187-CL10A475KP8NNNC | CL10A475KP8NNNC | C1705 |
| 7 | C14,C23 | 1u | 2 | 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,C29,C44,C61,C89 | 10u | 7 | 1276-1052-6-ND | 187-CL21A106KPFNNNE | CL21A106KPFNNNE | C17024 |
| 10 | C36,C37,C51 | 47p | 3 | 1276-1037-1-ND | 187-CL10C470JB8NNNC | CL10C470JB8NNNC | C1671 |
| 11 | C38,C39,C40,C41,C58,C59 | 22u | 6 | 1276-1100-1-ND | 187-CL21A226MQQNNNE | CL21A226MQQNNNE | C5674 |
| 12 | C48,C49 | 18p | 2 | 1276-1089-1-ND | 187-CL10C180JB8NNNC | CL10C180JB8NNNC | C1647 |
| 13 | C60,C93,C94 | 865080142007 | 3 | 732-8472-1-ND | 710-865080142007 | EEEHA0J101WR | - |
| 14 | C7,C8 | 6p8 | 2 | 1276-1793-1-ND | 187-CL10C6R8CB8NNNC | CL10C6R8CB8NNNC | C318672 |
| 15 | C79,C91,C95 | 10n/200V | 3 | 311-4491-1-ND | 603-C1206KRX7RABB103 | VJ1206Y103KXCTW1BC | C49652935 |
| 16 | C9,C25,C26,C35,C42,C43 | 10n | 6 | 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,FB2,FB3 | 60R@100MHz | 3 | 490-7809-1-ND | 81-BLM18AG102SH1D | BLM18AG102SH1D | C337877 |
| 21 | IC1 | SN74HCS02PWR | 1 | 296-SN74HCS02PWRCT-ND | 595-SN74HCS02PWR | - | C2868020 |
| 22 | IC2 | TPS3851H18EDRBR | 1 | 296-51959-1-ND | 595-TPS3851H18EDRBR | TPS3851H18EDRBT | C702216 |
| 23 | IC3 | M24C32-DFDW6TP | 1 | 497-16067-1-ND | 511-M24C32-DFDW6TP | M24C32-DFDW6TP | C2971426 |
| 24 | IC4 | STM32G071R8T6 | 1 | 497-STM32G071R8T6-ND | 511-STM32G071R8T6 | STM32G071R8T6 | C432214 |
| 25 | IC5 | TPA6205A1DGN | 1 | 296-34563-5-ND | 595-TPA6205A1DGN | TPA6205A1DGN | C202248 |
| 26 | IC6 | SN74LVC1G14DBVR | 1 | 296-11607-1-ND | 595-SN74LVC1G14DBVR | SN74LVC1G14DBVR | C19829661 |
| 27 | IC9 | USB5816C-I/KD | 1 | USB5816C/KD-ND | 579-USB5816C/KD | - | C633972 |
| 28 | IC11 | FUSB303BTMX | 1 | 488-FUSB303BTMXCT-ND | 863-FUSB303BTMX | - | C895444 |
| 29 | IC12 | TPS2068E | 1 | 296-TPS2068EDBVRCT-ND | 595-TPS2068EDBVR | - | C19272843 |
| 30 | IC13 | RT9742SNGV | 1 | 1028-RT9742SNGVCT-ND | 835-RT9742SNGV | - | C3235509 |
| 31 | IC16 | TPD12S016PWR | 1 | 296-29690-1-ND | 595-TPD12S016PWR | - | C201665 |
| 32 | IC17 | MIC2026A-1YM-TR | 1 | 576-3733-5-ND | 998-MIC2026A-1YMTR | MIC2026A-1YM | C627741 |
| 33 | IC14,IC15,IC18 | TPD4E001DRLR | 3 | 296-21887-1-ND | 595-TPD4E001DRLR | TPD4E001DRLR | C527516 |
| 34 | IC7,IC8,IC10 | TPS62933ODRLR | 3 | 296-TPS62933ODRLRTR-ND | 595-TPS62933ODRLR | - | C6290372 |
| 35 | JP2,JP12,JP15 | ~ | 3 | M22-2010346-ND | 855-M22-2010346 | - | C6658749 |
| 36 | L1 | 6u8 | 1 | 553-BMRA000606306R8MA1CT-ND | 603-BMRA000606306R8MA1 | - | C2838323 |
| 37 | L4 | 1u | 1 | 118-SRP6030WA-1R0MCT-ND | 652-SRP6030WA-1R0M | - | C19947689 |
| 38 | L2,L3 | 2u2 | 2 | 118-SRP6030WA-2R2MCT-ND | 652-SRP6030WA-2R2M | - | C19947691 |
| 39 | LED1 | LTST-C170KGKT | 1 | 160-1414-2-ND | 859-LTST-C170KGKT | LTST-C170KGKT | C98221 |
| 40 | LED2,LED3,LED4,LED5,LED6 | LTST-C170KRKT | 5 | 160-1415-1-ND | 859-LTST-C170KRKT | LTST-C170KRKT | C94868 |
| 41 | Module1 | 2x DF40HC(3.0)-100DS-0.4V(51 | 1 | 26-DF40HC(3.0)-100DS-0.4V(51)CT-ND | 798-DF40HC30100DS451 | - | C424649 |
| 42 | OK1 | TLP291(GB.SE(T | 1 | TLP291(GBSE-ND | 757-TLP291GBSE | TLP291-GB.SE-T | C2942904 |
| 43 | Q1,Q2,Q5 | 2N7002 | 3 | T2N7002AKLMCT-ND | 757-T2N7002AKLM | 2N7002LT1G | C16338 |
| 44 | Q3,Q4 | MMBT5401 | 2 | MMBT5401-FDICT-ND | 621-MMBT5401-F | MMBT5401 | C21488 |
| 45 | Q6,Q7 | DMP3013SFV-7 | 2 | DMP3013SFV-7DICT-ND | 621-DMP3013SFV-7 | DMP3013SFV-7 | C264098 |
| 46 | R18 | 18K | 1 | | | SMD0603-18K-1% | C114610 |
| 47 | R31 | 470K | 1 | A126370CT-ND | 71-CRCW0805470KFKEA | 0805S8J0474T5E | C844627 |

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|--|----------------------|----|-----------------------------------|----------------------|-------------------|-----------|
| 48 R33 | 3K3 | 1 | | | SMD0603-3K3-1% | |
| 49 R41 | 62K | 1 | | | SMD0603-62K-1% | |
| 50 R42 | 36K5 | 1 | | | SMD0603-36.5K-1% | |
| 51 R57 | 49K9 | 1 | | | SMD0603-49.9K-1% | |
| 52 R58 | 43K | 1 | | | SMD0603-43K-1% | |
| 53 R1,R2,R4,R8,R76,R77 | 330R | 6 | 311-330HRCT-ND | 603-RC0603FR-07330RL | SMD0603-330R-1% | C105881 |
| 54 R10,R13,R26 | 100R | 3 | 13-RC0603FR-10100RLCT-ND | 603-RC0603FR-10100RL | RC0603FR-10100RL | C1512171 |
| 55 R11,R28,R30,R68 | 47K | 4 | 13-RC0603FR-1347KLTR-ND | 603-RC0603FR-0747KL | SMD0603-47K-1% | C105579 |
| 56 R14,R15,R23 | 1K8 | 3 | 311-1.8KLDCT-ND | 603-RC0603FR-071K8L | SMD0603-1K8-1% | C185354 |
| 57 R16,R17,R20,R22,R24,R25,R66 | 20K | 7 | 311-20.0KHRCT-ND | 603-RC0603FR-0720KL | SMD0603-20K-1% | C105575 |
| 58 R19,R63 | 12K | 2 | | | SMD0603-12K-1% | C114659 |
| 59 R29,R32 | 1K | 2 | | | CQ0603-1K-1% | |
| 60 R3,R9,R12,R21,R27,R35,R36,R37,R38,R43,R46,R47,R48,R50,R51,R53,R56,R59,R61,R62,R65,R67,R75 | 10K | 23 | 1712-CRGH0603F10KCT-ND | 756-WCR0603-10KFI | SMD0603-10K-1% | C98220 |
| 61 R34,R52,R55,R60 | 200K | 4 | | | SMD0603-200K-1% | |
| 62 R44,R45 | 11K8 | 2 | | | ERJH3EF1182V | |
| 63 R5,R6,R39,R40,R54,R64 | 100K | 6 | 311-100KHRCT-ND | 603-RC0603FR-07100KL | SMD0603-100K-1% | C14675 |
| 64 R69,R70,R73,R74 | 499K | 4 | | | SMD0603-499K-1% | |
| 65 R71,R72 | 68R | 2 | | | SMD0603-68R-1% | |
| 66 SP1 | CMI-9605-1280T | 1 | 102-CMI-9605-1280T-ND | 490-CMI-9605-1280T | CMI-9605-1280T | C5621417 |
| 67 SP2 | CMS-151504-SMT-TR | 1 | 2223-CMS-151504-SMT-TRCT-ND | 179-CMS-151504-SMTTR | CMS-151504-SMT-TR | - |
| 68 SW1 | WBL2UOAGQR05CLR | 1 | WBL2UOAGQR05CLR-ND | 612-WBL2UOAGQR05CLR | WBL2UOAGQR05CLR | C3634718 |
| 69 SW2 | LP4EE1RBATY | 1 | EG4655-ND | 612-LP4EE1RBATY | - | C3615938 |
| 70 SW3 | PEC16-2215F-S0024 | 1 | PEC16-2215F-S0024-ND | 652-PEC16-2215FS0024 | - | - |
| 71 TR1 | IRM-45-12 | 1 | 1866-3053-ND | 709-IRM45-12 | IRM-45-12 | C5772350 |
| 72 X1 | 1-2199230-6 | 1 | A118046TR-ND | 571-1-2199230-6 | 123A-40M00 | C4710843 |
| 73 X3 | 571-0400 | 1 | - | 164-7140 | 571-0400 | - |
| 74 X4 | GSP1.9101.1 | 1 | 486-4100-ND | 693-GSP1.9101.1 | GSP1.910C.1 | C17204965 |
| 75 X5 | PJ-002BH-SMT-TR | 1 | CP-002BHPJCT-ND | 490-PJ-002BH-SMT-TR | - | C3094235 |
| 76 X6 | USB4056-03-A | 1 | 2073-USB4056-03-ACT-ND | 640-USB4056-03-A | USB4056-03-A | C7407280 |
| 77 X7 | 0862-1J1T-43-F | 1 | 5923-0862-1J1T-43-F-ND | 530-0862-1J1T-43-F | 0862-1J1T-43-F | C5862718 |
| 78 X8 | SS-53000-002 | 1 | 380-SS-53000-002-ND | 530-SS-53000-002 | - | C6301913 |
| 79 X9 | 5051102091 | 1 | WM11288CT-ND | 538-505110-2291 | 5051102291-MOL | C3168367 |
| 80 X15 | TBP03R1-350-10BE | 1 | 2223-TBP03R1-350-10BE-ND | 179-TBP03R1-350-10BE | - | C3585132 |
| 81 X10,X13 | 10018783-10101TLF | 2 | 609-1969-ND | 649-18783-10101TLF | 1001878310101T-0 | C4494856 |
| 82 X11,X12 | 77313-802-20LF | 2 | PH2-20-UA | 649-77313-802-20LF | ZL202-20G | C3327336 |
| 83 Y1 | 32.768KHz | 1 | 535-ABS07AIG-32.768KHZ-6-D-TCT-ND | 815-S07AIG-32.76-6DT | - | C1985457 |
| 84 Y2 | ABM8-25.000MHZ-D2X-T | 1 | 815-ABM825MHZD2XT | 815-ABM825MHZD2XT | 325G-25.000MDDJ-T | C1986777 |
| 85 ZD1 | BZT52-B3V9X | 1 | 1727-8115-1-ND | 771-BZT52-B3V9J | BZT52-B3V9X | C550213 |