

Neo6502_Rev_A-BOM

05/25/2023

| Quantity | Designation | Package | Designator |
|----------|--|---------------|--|
| 2 | 27R/R0402 | R0402 | R4,R5 |
| 1 | 47R/R1206 | R1206 | R7 |
| 2 | 100R/R0402 | R0402 | R3,R6 |
| 1 | 150R/R0402 | R0402 | R9 |
| 9 | 270R/R0402 | R0402 | R11,R22,R23,R24,R25, R26,R27,R28,R29 |
| 2 | RA1206_(4x0603)_4B8_330R | RA1206 | RM1,RM2 |
| 4 | 2.2k/R0402 | R0402 | R8,R13,R33,R34 |
| 2 | 5.1k/R0402 | R0402 | R10,R12 |
| 9 | 10k/R0402 | R0402 | R14,R17,R18,R19, R20,R21,R30,R31,R32 |
| 1 | 49.9k/1%/R0402 | R0402 | R16 |
| 1 | 220k/R0402 | R0402 | R15 |
| 1 | 2.2uH/1.5A/DCR=58mR/20%/ 3.00x3.00x1.50mm/CD32 (NRS3015T2R2MNGH) | CD32 | L1 |
| 2 | 27pF/50V/5%/C0G/C0402 | C0402 | C15,C16 |
| 18 | 100nF/10V/20%/X5R/C0402 | C0402 | C1,C2,C3,C4,C5,C6,C7, C8,C9,C10,C13,C14,C18, C21,C22,C26,C27,C29 |
| 5 | 2.2uF/6.3V/20%/X5R/C0402 | C0402 | C11,C12,C25,C28,C30 |
| 5 | 22uF/6.3V/20%/X5R/C0603 | C0603 | C17,C19,C20,C23,C24 |
| 1 | 1N4148W/SOD123 | SOD-123 | D1 |
| 1 | LED/RED/0603 | LED_0603 | PWR_LED1 |
| 1 | BC817-40(SOT23) | SOT23 | Q2 |
| 1 | ZD25Q16BTIGT(SOIC-8_208mils) | SO-8_208mil | U1 |
| 1 | RP2040(QFN-56_7x7mm_P0.4mm) | QFN56 | U2 |
| 1 | SY8089AAAC(SOT23-5) | SOT-23-5 | U3 |
| 1 | W65C02S6TQTG-14(TQFP44) | TQFP44 | U4 |
| 3 | 74LVC245APW(TSSOP20) | TSSOP20 | U5,U6,U7 |
| 1 | Q12MHz/20pF/10ppm/4P/3.2x2.5mm | TSX-3.2x2.5mm | Q1 |
| 1 | PJ-3.5-365-5P | PJ-3.5-365-5P | AUDIO1 |
| 1 | Speaker_QMB-09B-03 (1.5-5.0V_2.7kHz_F9.0mm*H5.5mm) | QMB-09B-03 | SPK1 |
| 1 | USB-C-16P-F(A40-00119-A52-12) | USB2.0_TYPE-C | USB-PWR1 |
| 1 | HDMI-SWM-19 | HDMI-SWM-19 | HDMI1 |
| 1 | USB-A-SMT-6.3H | USB-A-SMT | USB-HOST1 |
| 1 | B-V-40-LF(GBH254SMT-40) | B-V-40-LF | BUS1 |
| 1 | B-V-10-LF(GBH254SMT-10) | B-V-10-LF | UEXT1 |
| 1 | H-WX-1x2-LF+MJ6 | HN1x2(SMD) | BUZ_EN1 |
| 1 | YTS-A016-X | YTS-A016-X | BOOT1 |
| | | | |
| 2 | NA(10k/R0402) | R0402 | R1,R2 |
| 1 | NA(FSM035-1206) | FUSE-1206 | FUSE1 |
| 1 | NA(HN1x3) | HN1x3 | SWD1 |