

NeoGeoAES3_5-BOM

| Qty | Reference | Value | Mouser | Alternative | Comment |
|-----|---|-----------------------|-----------------------|---|--|
| 41 | BF1-BF32, BF51-BF56, BF301-BF303 | ZBF253D | 80-B-06-R-25 | | |
| 19 | C1, C2, C4-C8, C11, C12, C20, C24, C25, C32, C34, C35, C41, C49, C113, C301 | 10uF | 667-ECA-1CM100I | | |
| 1 | C3 | 68pF | 810-FG28C0G2A680JNT6 | | |
| 7 | C9, C10, C36-C39, C46 | 470uF/16v | 647-UVR1C471MPD1TA | | |
| 2 | C13, C14 | 272M | 80-MMK5272K63J01TA18 | | |
| 3 | C22, C23, C66 | 1nF | 810-FG28C0G1H102JNT6 | | -- mixed values -- |
| 3 | C26-C28 | 0.1uF | 810-FG26C0G1H104JNT0 | | |
| 1 | C29 | 100pF (82p) | 810-FG28C0G1H101JNT6 | | |
| 2 | C30, C45 | 0.01uF | 810-FG28C0G1H103JNT0 | | |
| 1 | C31 | 39pF (30pF) | 810-FG28C0G1H390JNT6 | | |
| 6 | C33, C42, C58-C60, C201 | 100pF | 810-FG28C0G1H101JNT6 | | |
| 1 | C43 | 47pF | 810-FG28C0G1H470JNT6 | | |
| 3 | C44, C50, C70 | 10nF | 810-FG28C0G1H103JNT0 | | |
| 1 | C47 | 2200uF/6.3v | 667-EEU-FC0J222S | | |
| 1 | C48 | 150pF | 810-FG28C0G1H151JNT6 | | |
| 27 | C51, C63, C101-C112, C114-C125, C127 | 100nF | 810-FG26C0G1H104JNT0 | | |
| 2 | C52, C54 | 30pF(CH) | 80-C322C300K3G5TA | | |
| 1 | C53 | 6pF | 810-FG28C0G1H060DNT6 | | |
| 1 | C55 | 20pF(CH) | 80-C317C200J5G | | |
| 2 | C56, C67 | 220pF | 810-FG28C0G1H221JNT0 | | |
| 1 | C57 | 331pF | 810-FG28C0G1H331JNT6 | | |
| 2 | C61, C62 | 221pF | 810-FG28C0G1H221JNT0 | | |
| 1 | C64 | 10pF(CH) | 810-FG28C0G1H100DNT6 | | |
| 1 | C65 | 39pF (CH) | 810-FG28C0G1H390JNT6 | | |
| 1 | C126 | 100uF | 667-ECA-1CM101I | | |
| 1 | CN1 | CTRL1 | | | Use Original |
| 1 | CN2 | CTRL2 | | | Use Original |
| 1 | CN3 | DIN-8 | | | Use Original |
| 2 | CN4, CN5 | AXC90020 | 587-395-100-524-204 | | |
| 1 | CN6 | Memory Card Interface | | | Use Original |
| 5 | CR1-CR5 | CRE401 | | https://github.com/mourix/CRE401 | |
| 2 | D1, D2 | SR340 | 583-SR340-T | | Not Fitted when 5v Circuit |
| 2 | D3, D4 | FC52M-5 | | LV2209 | Use Original |
| 1 | D5 | LED | 604-WP7113ID5V | | |
| 2 | D11, D12 | 1S1588 | | | Not Fitted when 9v Circuit |
| 1 | D13 | RD5.6A | | | Not Fitted when 9v Circuit |
| 1 | J3 | SMK S-G8043 | | | |
| 1 | J4 | POWER JACK | 490-PJ-102B | | |
| 1 | JP3 | J3 | | | |
| 1 | JP4 | J4 | | | |
| 1 | L1 | 47uH | | | |
| 1 | L2 | 47uH | | | |
| 1 | L3 | 180uH | | | Not Fitted when 5v Circuit, Use Original |
| 1 | Q11 | C1815 | | | Not Fitted when 9v Circuit |
| 1 | Q12 | A1015 | | | Not Fitted when 9v Circuit |
| 1 | Q13 | A1442 | | | Not Fitted when 9v Circuit |
| 2 | Q101, Q102 | 2SC1815 | 610-2SC1815 | | |
| 16 | R1-R3, R32, R36-R43, R45, R54, R55, R301 | 1K | 594-5063JD1K000FT | | |
| 3 | R4-R6 | 8.2K | 594-5063JD8K200FT | | |
| 3 | R7, R11, R15 | 3.9K | 594-5063JD3K900F | | |
| 3 | R8, R12, R16 | 2.2K | 594-5063JD2K200FT | | |
| 4 | R9, R13, R17, R66 | | 470 594-5063JD470R0FT | | |
| 3 | R10, R14, R18 | | 220 594-5063JD220R0F | | |
| 3 | R19-R21 | | 150 594-5063JD150R0FT | | |
| 4 | R28, R57, R68, R303 | 10K | 594-5063JD10K1%TR | | |
| 1 | R29 | | 47 594-5063JD47R00F | | |
| 2 | R30, R31 | 4.7K | 594-5063JD4K700F5 | | |
| 2 | R33, R34 | | 10 594-5063JD10R00FT | | |
| 3 | R46, R49, R53 | 27K | 594-5063JD27K00FT | | |
| 2 | R47, R48 | 47K | 594-5063JD47K00FT | | |
| 4 | R50-R52, R75 | 3K | 594-5063JD3K000F | | |
| 1 | R56 | | 820 594-5063JD820R0FT | | |
| 3 | R58-R60 | 6.8K | 594-5063JD6K810FT | | |
| 6 | R62-R65, R401, R501 | | 75 594-5063JD75R00FT | | |
| 2 | R70, R72 | 1M | 594-5063JD1M000FT | | |
| 1 | R71 | | 10 594-5063JD10R00FT | | |
| 1 | R74 | 220K | 594-5063JD220K0F | | |
| 2 | R76, R78 | 1K | 594-5063JD1K000FT | | -- mixed values -- |
| 1 | R77 | | 0.18 | | Not Fitted when 9v Circuit |
| 2 | R79, R82 | | 510 | | Not Fitted when 9v Circuit |
| 1 | R80 | | 470 | | Not Fitted when 9v Circuit |
| 1 | R81 | | 100 | | Not Fitted when 9v Circuit |
| 1 | R83 | | 150 | | Not Fitted when 9v Circuit |
| 2 | R101, R102 | 100K | 594-5063JD100K0FT | | |

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|---|------------------|-------------------------|----------------------|---|--|
| 1 | R302 | 30K | 594-5063JD30K00F | | |
| 2 | R402, R502 | 51K | 594-5063JD51K00F | | |
| 2 | R403, R503 | 15K | 594-5063JD15K00F5 | | |
| 1 | RA1 | 4.7Kx4 | 652-4605X-1LF-4.7K | | |
| 2 | RN1, RN2 | 22x4 | 652-4608X-2LF-22 | | |
| 1 | RV1 | Headphone Slider (0-1K) | | Alps Alpine RS20H12AC002 | Use Original |
| 1 | SW1 | RESET SWITCH | | https://a.aliexpress.com/_EwBCLut | Use Original |
| 1 | SW2 | POWER SWITCH | | | Use Original |
| 1 | T1 | SH-302 | 80-SH-302 | | |
| 1 | TC1 | 0-50p | | Mouser 594-2222-808-23279 ?? 4p | Use Original |
| 4 | U1, U2, U17, U18 | 43256 | 870-62C256AL-25ULI | JEDEC 62256 (32k x 8) SRAM | Use Original |
| 1 | U3 | HD68HC000P | | | Use Original |
| 1 | U4 | NEO-C1 | | | Use Original |
| 1 | U5 | NEO-G0 | | | Use Original |
| 2 | U6, U7 | 4364 | 913-AS7C164A-15PCN | JEDEC 6264 (8k x 8) SRAM | Use Original |
| 2 | U8, U80 | 74HC04 | 595-SN74HC04N | | |
| 2 | U9, U10 | 74LS273 | 595-SN74LS273N | | |
| 1 | U11 | 74LS05 | 595-SN74LS05N | | |
| 1 | U12 | 74LS06 | 595-SN74LS06N | | |
| 1 | U13 | NEO-B1 | | | Use Original |
| 1 | U14 | PST518B | 579-MCP120-450GI/TO | | Use Original |
| 1 | U15 | 74LS244 | 595-SN74LS244N | | |
| 1 | U16 | TC531000AP | | | Use Original |
| 2 | U19, U20 | 5863 / 5814 | | JEDEC 6116 (2k x 8) SRAM 35ns | Use Original |
| 1 | U21 | LSPC2 | | | Use Original |
| 1 | U22 | NEO-D0 | | | Use Original |
| 1 | U23 | 6116 | | JEDEC 6116 (2k x 8) SRAM 35ns | Use Original |
| 1 | U24 | Z80CPU | | | Use Original |
| 1 | U26 | YM3016D | | | Use Original |
| 1 | U27 | YM2610 | | | Use Original |
| 2 | U28, U29 | PC4741 | 968-UPC4741G2-E1-A | | Use Original |
| 1 | U32 | CXA1145P | | CXA1645 or CXA2075 needs adapte | Use Original |
| 1 | U33 | 74AS04 | 595-SN74AS04N | | |
| 1 | U34 | NEO-E0 | | | Use Original |
| 1 | U35 | 74HC259 | 595-SN74HC259N | | |
| 1 | U36 | 27C1024 | | | Use Original |
| 1 | U37 | LM2576T-5 | 926-LM2576T-5.0/NOPB | https://www.aliexpress.com/item/10 | Not Fitted when 5v Circuit |
| 1 | U38 | 74HC32 | 595-SN74HC32N | | |
| 1 | U39 | CX23065A | | | Use Original or could be removed along |
| 1 | X1 | 24.167829MHz | | | Use Original or 24 Mhz and CX23065A re |
| 1 | X2 | 3.579545MHz | 815-AB-3.579545-B2 | | |