**ZX Max +D issue 1**

| Designator | Value | Digikey Part Number | Quantity |
|---|---|---|---|
| C1, C26 | 10uF | P19522CT-ND | 2 |
| C4, C5 | 22uF | P15791CT-ND | 2 |
| C6, C7 | 27pF | 445-173185-1-ND | 2 |
| C8, C27 | 220uF | 1189-1546-1-ND | 2 |
| C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C25, C28, C29, C30 | 0.1uF | BC1160CT-ND | 19 |
| C24 | 10pF | BC1001CT-ND | 1 |
| C31 | 10nF | 445-175393-1-ND | 1 |
| C32 | 3.3nF | BC1075TR-ND | 1 |
| C33 | 3.3nF | DNP | 1 |
| D1, D2, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20 | 1N4148 | 1N4148FS-ND | 17 |
| D28 | 2W005G-E4/51 | 2W005G-E4/51GI-ND | 1 |
| J1 | RCPT 8 | 5-520315-8-ND | 1 |
| J2 | RCPT 5 | A105063-ND | 1 |
| J4 | DC JACK | CP-002A-ND | 1 |
| J6 | Audio Jack | CP1-3525N-ND | 1 |
| J8 | M-DIN_9-R | KMDGX-9S-BS-1 | 1 |
| J9 | Header 5X2 | 10129381-910002BLF-ND | 1 |
| J17, J18 | Header 2 | 952-2262-ND | 2 |
| Q1 | BC548 | BC548BTACT-ND | 1 |
| R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R27, R28, R29, R54, R78 | 470 | CF14JT470RCT-ND | 27 |
| R23, R24, R25, R26, R46, R47, R48, R49, R50, R55, R56, R73, R75, R77, R79 | 10K | CF14JT10K0CT-ND | 15 |
| R30, R31, R32, R33 | 75 | CF14JT75R0CT-ND | 4 |
| R34 | 2.7K | DNP | 1 |
| R35, R36, R37, R38, R39 | 68 | CF14JT68R0CT-ND | 5 |
| R40, R41, R42, R43, R44, R45 | 150 | CF14JT150RCT-ND | 6 |
| R51 | 1M | CF14JT1M00CT-ND | 1 |
| R52 | 1K | CF14JT1K00CT-ND | 1 |
| R53 | 4K7 | DNP | 1 |
| R71 | 33K | CF14JT33K0CT-ND | 1 |
| R72, R74 | 150K | CF14JT150KCT-ND | 2 |
| R76 | 470K | CF14JT470KCT-ND | 1 |
| RN1 | 10K*8 | 4609X-101-103LF-ND | 1 |
| U1 | Z80-CPU | 269-3892-ND | 1 |
| U2 | 27C256 | 27C256 | 1 |
| U3, U4 | HM628128 or AS6C1008 | AS6C1008-55PCN | 2 |
| U5 | EPM7128S/LCC | EBAY | 1 |
| U6 | 74HC04 or 74HCU04 | 296-1566-5-ND or 296-9820-5-ND | 1 |
| U7 | 74HC174 | 296-1579-5-ND | 1 |
| U13 | AD724JR | AD724JRZ-ND | 1 |
| U14 | TSR 2-2450 | 1951-2692-ND | 1 |
| Y1 | Crystal 28.375MHz | 449-LFXTAL024588BULK (mouser.com) | 1 |
| Y2 | 4.433MHz | 1923-1420-ND | 1 |

| Turbo Sound | Value | Digikey Part Number | Quantity |
|---|---|---|---|
| C2, C3 | 10uF | P19522CT-ND | 2 |
| D4, D5 | 1N4148 | 1N4148FS-ND | 1 |
| J5 | Audio Jack | PJ-322 (ebay) | 1 |
| R57, R58 | 470 | CF14JT470RCT-ND | 2 |
| R81, R82 | 470 | DNP | 2 |
| R59, R62, R63, R64, R65, R68, R69, R70 | 1K | CF14JT1K00CT-ND | 8 |
| R60, R61, R66, R67 | 2.2K | CF14JT2K20CT-ND | 4 |
| U8, U9 | AY-3-8910 | EBAY | 2 |
| U10 | 74HC30 | 296-9196-5-ND | 1 |
| U11 | 74HC74 | 296-1602-5-ND | 1 |
| U15 | ESP8266-12E | DNP | 1 |

| Kempston Joystick | Value | Digikey Part Number | Quantity |
|---|---|---|---|
| D21, D22, D23, D24, D25, D26, D27 | 1N4148 | 1N4148FS-ND | 7 |
| J7 | DB9 MALE | AE10970-ND | 1 |
| J10 | Header 2 | DNP | 1 |
| R80 | 10K | CF14JT10K0CT-ND | 1 |
| RN2 | 10K*5 | 4606X-101-103LF | 1 |
| U12 | 74HC366 | Hex Bus Driver with 3-State Outputs | 1 |

| PlusD Lite | Value | Digikey Part Number | Quantity |
|---|---|---|---|
| C34, C35, C36, C37, C38, C39, C40 | 0.1uF | BC1160CT-ND | 7 |
| C66 | 100pF | BC5129-ND | 1 |
| C41 | 33pF | 56-K330J10C0GH5TL2CT-ND | 1 |
| C67 | 100uF | 1189-2260-ND | 1 |
| D29 | 1N4148 | 1N4148FS-ND | 1 |
| J11 | Header 17X2 | S9182-ND | 1 |
| J12, J13, J15 | Header 2X2 | 2057-PH2-04-UA-ND | 3 |
| J14 | Header 4H | S9490-ND | 1 |
| LED1 | 3mm red | 732-5006-ND | 1 |
| R92, R93 | 10K | CF14JT10K0CT-ND | 2 |
| R90, R91 | 2.2K | CF14JT2K20CT-ND | 2 |
| R83, R84, R85, R86 | 470 | CF14JT470RCT-ND | 4 |
| U16 | WD1772 or VR177X-02 | | 1 |

| Designator | Value | Digikey Part Number | Quantity |
|---|---|---|---|
| U17 | HM6264 or AS6C6264-55PCN | 1450-1036-ND | 1 |
| U18 | 27C256 | EBAY | 1 |
| U19 | GAL20V8B | EBAY | 1 |
| U26 | 74LS27 | 296-14890-5-ND | 1 |
| U27 | 74LS00 | 296-1626-ND | 1 |
| U28 | 74LS175 | 296-1648-5-ND | 1 |
| U29 | 74LS06 | 296-15069-5-ND | 1 |
| Y5 | Crystal 8.000 MHz | CTX1054-ND | 1 |
| PB1, PB2 | SWITCH TACTILE SPST-NO | 450-1661-ND | 2 |
| | | | |
| **SAA1099** | **Value** | **Digikey Part Number** | **Quantity** |
| C42, C50, C51, C52 | 0.1uF | BC1160CT-ND | 4 |
| C44, C45, C46, C47 | 10nF | 445-175393-1-ND | 4 |
| C48, C49 | 10uF | P19522CT-ND | 2 |
| C43 | 22uF | P15791CT-ND | 1 |
| L1 | Inductor 220uH 200mA | RLB0608-221KL-ND | 1 |
| R94, R95, R98, 99 | 1K | CF14JT1K00CT-ND | 4 |
| R96, R97, R100, R103 | 10K | CF14JT10K0CT-ND | 4 |
| R101, R104, R108, R109 | 24K | CF14JT24K0CT-ND | 4 |
| R102, R105 | 2.2K | CF14JT2K20CT-ND | 2 |
| R106 | 47K | CF14JT47K0CT-ND | 1 |
| R107 | 27K | CF14JT27K0CT-ND | 1 |
| U20 | 74HC30 | 8-Input Positive-NAND Gate | 1 |
| U21 | 74HC32 | 296-1589-5-ND | 1 |
| U22 | SAA1099 | EBAY | 1 |
| U23 | MCP602-I/P | MCP602-I/P-ND | 1 |
| Y3 | OSC 8MHz | ECS-2100A-080 | 1 |
| | | | |
| **Midi** | **Value** | **Digikey Part Number** | **Quantity** |
| C53, C62, C63, C64 | 10uF | P19522CT-ND | **4** |
| C54, C55, C56, C59 | 0.1uF | BC1160CT-ND | **4** |
| C60, C61 | 22pF | BC5146-ND | **2** |
| C57, C58 | 100uF | 732-8598-1-ND | 2 |
| C65 | 1uF | 732-8966-3-ND | 1 |
| L2 | Inductor 220uH 200mA | RLB0608-221KL-ND | 1 |
| R110, R111 | 47K | CF14JT47K0CT-ND | 2 |
| R112 | 10K | CF14JT10K0CT-ND | 1 |
| U24 | SAM2695 | EBAY | 1 |
| U25 | AZ1117IH-3.3TRG1 | AZ1117IH-3.3TRG1DICT-ND | 1 |
| Y4 | Crystal 12MHz | 2151-AS-12.000-20-ND | 1 |
| **Y4x (If use Y4x, don't install Y4, C60, C61)** | OSC 12MHz | XC1958CT-ND | 1 |