

Parts list ZXmore:

Resistors:

4 x 33R	R12,R13,R14,R15
1 x 220R	R30
2 x 330R	R21,R31
5 x 680R	R20,R22,R27,R28,R33
10 x 1k	R8,R9,R17,R19,R24,R25,R29,R32,R34,R35
2 x 3k3	R10,R26
2 x 10k	R11,R23
2 x 100k	R16,R18
2 x Array, 2k2, 5x parallel (10 pins),	R6,R7
1 x Array, 4k7, 8x star (9 pins),	R1
4 x Array, 10k, 8x star (9 pins),	R2,R3,R4,R5
1 x 10k SMD 1206,	R36

Capacitors:

3 x 18pF, RM 2.5	C7, C14, C15 (alternative 15pF)
1 x 47pF, RM 2.5	C16
1 x 68pF, RM 2.5	C12
1 x 150pF, RM 5	C34
1 x 330pF, RM 2.5	C13
1 x 470pF, RM 2.5	C4,
1 x 470pF, RM 5	C33
1 x 1nF, RM 5	C8
2 x 47nF, RM 5	C9,C11
13 x 100nF, RM 5	C3,C10,C17,C18,C19,C20,C21,C23,C24,C25,C26,C29,C30,C32
4 x 100nF, RM 7.5	C20, C22, C27, C28
1 x 22uF/16V, RM 2.5, tantal	C5
4 x 100uF/16V, 6.3mm,	C1,C2,C6,C31

Integrated circuits (ICs):

1 x 7805	IC1 (voltage regulator TO220, alt. LMS78_05-1.0, RECOM R-785.0-1.0)
1 x Z84C0008	IC2 (Zilog Z80 CPU, 8 Mhz, DIP40)
1 x AS6C4008	IC3 (SRAM 512 kByte, DIP32)
1 x SST39SF040	IC4 (Flash ROM, 512k Byte, DIP32)
1 x 74AC86	IC21 (DIP14, only advanced CMOS, no ACT, no HCT, no HC)
1 x 74HC590	IC11 (DIP16)
2 x 74HCT00	IC10,IC20 (DIP14)
1 x 74HCT04	IC6 (DIP14)
1 x 74AHCT08	IC8 (DIP14)
2 x 74HCT32	IC7,IC23 (DIP14)
1 x 74AHCT74	IC19 (DIP14)
1 x 74HCT85	IC17 (DIP16)
1 x 74HCT125	IC12 (DIP14)
1 x 74AHCT126	IC9 (DIP14)
1 x 74HCT165	IC15 (DIP16)
2 x 74HCT245	IC5,IC16 (DIP20)
3 x 74HCT373	IC14,IC22,IC24 (DIP20)
1 x 74HCT393	IC18 (DIP14)
1 x 74HCT40103	IC13 (DIP16)
1 x VNC2-32L1B	IC25 (LQFP32)
1 x EPM3032ALC44-10N,	IC26 (PLCC44)
1 x DS1302	IC27 (DIP8)

Diodes:

17 x BAT46 D1,D4,D5,D6,D7,D10,D11,D12,D13,D14,D15,D16,D17,D18,D19,D20,D21
2 x 1N4148 D8,D9
1 x 1N5817 D2
1 x LED RGB D3, common anode

Plugs und jumpers:

3 x CL1384 J2,J3,J4 (3.5mm audio jack mono, manufacturer CLIFF)
1 x S8411-45R J19 (CR1220 battery holder, SMD, manufacturer Harwin)
1 x Chinch J5 (female, right-angled, pcb version, RM 11mm)
1 x USB plug J6 (USB plug female, 2-port, right-angled, pcb version)
1 x KDR16H J17 (ROM switch, hex coded switch, right-angled, manufacturer OTAX)
1 x MJTP1105 J18 (Reset switch, right-angled, pcb version, manufacturer APEM)
10 x Jumper for 2-pin male pinheads
3 x pinhead male 1x2, J7,J9,J13
3 x pinhead male 1x3, J8,J10,J16
1 x pinhead male 2x5, J12

optional:

1 x pin head female 1x5 right-angled, J14 (for external keyboard ZX8-KDLX)
1 x pin head female 1x8 right-angled, J15 (for external keyboard ZX8-KDLX)

J1 is the slot edge connector directly on the pcb and is not to be mounted. :-)

Miscellaneous:

1 x DIP8 IC socket, precision socket with gold plated contacts
13 x DIP14 IC socket, precision socket with gold plated contacts
4 x DIP16 IC socket, precision socket with gold plated contacts
5 x DIP20 IC socket, precision socket with gold plated contacts
2 x DIP32 IC socket, precision socket with gold plated contacts
1 x DIP40 IC socket, precision socket with gold plated contacts
1 x PLCC44 IC socket PLCC
1 x 12 MHz X2, crystal, HC49U, 12.000 MHz
1 x 32.768kHz X3, crystal, 2.1 x 6 mm, 6pF, clock crystal
1 x 6.5 MHz X1, SFE 6.5, ZF filter 6.5 MHz, (Murata)
1 x 1uH L1, inductance, RM 12.5, alt. other values between 1 und 5 uH
1 x CR1220 battery 3V
1 x heatsink for TO220, max. 23 x 17 mm (length/width) with screw
1 x pcb board Zxmore, 204 x 156 mm, 2 layers
1 x keyboard ZX80 keyboard membrane

optional:

40 x ALPS SMD tactile switches Alps, SKQGAFE010, 1 newton force
(can be combined with ZX80 keyboard membrane for better typeing)

Accessories:

1 x power supply, 9V DC, 500mA, with jack 3.5mm
1 x cable, 3-5 meters with 3.5mm audio jack mono
1 x cable, 1-3 meters chinch shielded for monitor/TV connection
1 x USB stick as mass storage
1 x USB adapter RS232, CH1PI-X from FTDI, for serial terminal connection with CP/M