

SCULLCOM HOBBY ELECTRONICS

Sinclair ZX80 clone general component list

RESISTORS - All 0.25W \pm 5% or better

1 x 75 Ω
1 x 180 Ω
1 x 330 Ω
2 x 470 Ω
1 x 680 Ω
17 x 1K Ω
1 x 1.5K Ω
2 x 2.2K Ω
1 x 2.7K Ω
6 x 47K Ω
1 x 220K Ω
1 x 1M Ω

CAPACITORS - Axial type if possible - Rated at 16 volt or higher

4 x 47pF
1 x 10nF
2 x 47nF
13 x 100nF
1 x 1 μ F
1 x 22 μ F

SEMICONDUCTORS

10 x 1N4148 diode
1 x BC548B or similar NPN transistor
2 x 74LS00
1 x 74LS04
1 x 74LS05
1 x 74LS08
1 x 74LS10
1 x 74LS32
2 x 74LS74
1 x 74LS86
1 x 74LS93
3 x 74LS157
1 x 74LS165
1 x 74LS365
1 x 74LS373

1 x Z80 CPU

1 x 7805 (5 volt 1 amp regulator)
1 x 27C64 EPROM
1 x 62256 32K SRAM

Important Note:

The PCB uses all 74LS TTL chips as the original ZX80 did. 74HCT type IC's may work but there may be issues with signal levels. The ZX80 circuit design does rely on the analogue properties of the 74LS TTL type so recommend you stick with them. Caution, never use 74HC type IC's as I have found these chips do not work in this circuit design.