SCULLCOM HOBBY ELECTRONICS

Sinclair ZX80 clone build information sheet

Details of some of the main parts required and where they can be obtained

Minstrel - ZX80 Clone PCB cost £20 **from https://www.thefuturewas8bit.com/minstrel-zx80.html**

ZX80 Keyboard overlay (stick on) cost £5 from https**://www.thefuturewas8bit.com/minstrel-zx80.html**

Sinclair ZX81 Keyboard membrane cost £10 from **http://www.rwapsoftware.co.uk/zx812.html**
or **http://www.sellmyretro.com/offer/details/brand-new-sinclair-zx81-keyboard-membrane-%28inbuilt-keyboard%29-2529**

ZX81 (5 way) Keyboard membrane connector (TE Connectivity AMP Connectors 5-520315-5) from
http**://store.retroleum.co.uk/zx81-connectors** cost £0.85
or from **https://www.digikey.co.uk/products/en?keywords=A105063%20-%20ND**

ZX81 (8 way) Keyboard membrane connector (TE Connectivity 5-520315-8) cost £1.25 from
http://store.retroleum.co.uk/zx81-connectors
or from **https://www.digikey.co.uk/products/en?keywords=TE%20Connectivity%205-520315-8**

Four new rubber feet cost £0.89 (for 4) from **http://store.retroleum.co.uk/zx81-fittings**
or from **http://www.sellmyretro.com/offer/details/set-of-four-rubber-feet-for-sinclair-zx81-or-psu-1965**
(£1.50 for 4)

1 x Z80 CPU / NEC D780 / Zilog Z84C0006PEG (4MHz or higher rated) – Lots available on eBay

1 x 7805 (5 volt regulator) TO223-3 package – recommend either 1 amp or 1.5 amp rating

1 x 27C64 EPROM (obsolete part) but many are available on eBay for about £2 to £4 each

1 x 62256 32K SRAM (e.g. Alliance AS6C62256 or Cyprus CY62256) from **Farnells (Order Code: 2097986)** cost £2.98

1 x 6.5 MHz Crystal from **https://www.digikey.co.uk/product-detail/en/citizen-finedevice-co-ltd/HC-49-U-S6500000ABJB/300-6014-ND/284202**
or **https://www.digikey.co.uk/product-detail/en/ecs-inc/ECS-65-20-4X/X1055-ND/827547**

2 x Stereo 3.5mm Jack (e.g. CUI SJ1-3525N)
from **https://www.digikey.co.uk/product-detail/en/cui-inc/SJ1-3525N/CP1-3525N-ND/738687**
or from **https://www.rapidonline.com/truconnect-pcb-jack-socket-stereo-3-5mm-20-0137**
or from **http://uk.farnell.com/cliff-electronic-components/fc68133/stereo-jack-3-5mm-5pos-pcb/dp/2518190**

1 x Phono jack (e.g. CUI RCJ-011)
from **https://www.digikey.co.uk/product-detail/en/cui-inc/RCJ-011/CP-1400-ND/408487**
or from **https://www.rapidonline.com/rvfm-red-pcb-skeleton-phono-socket-20-1120**

1 x 2.1mm DC Jack - from
http://www.mouser.co.uk/ProductDetail/Switchcraft/RAPC722X/?qs=sGAEpiMZZMsUzhEcHltCuRYlx0yK05hp
or from **http://uk.farnell.com/cliff-electronic-components/fc681478/connector-power-entry-rcpt-2a/dp/2450496**