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<div>SC720 v1.0.x Printed circuit board</div> <div></div> <div>1</div>	<div>C1 to C17 Capacitor 100 nF</div> <div></div> <div>17</div> <div>Label includes "104"</div>	<div>C18 and C19 22 pF capacitor</div> <div></div> <div>2</div> <div>Label includes "22"</div>	<div>C20 to C22 Capacitor 100 µF</div> <div></div> <div>3</div> <div>Label includes "100 µF"</div>	<div>C23 Capacitor 1 nF</div> <div></div> <div>1</div> <div>Label includes "102"</div>	<div>D1 Diode 1N4001</div> <div></div> <div>1</div>	<div>JP1,2,13, P4,5 Male 1 row x 12 pin straight</div> <div></div> <div>1</div> <div>See note 1</div>
<div>JP3 to JP12 Male 2 row x 17 pin straight</div> <div></div> <div>1</div> <div>See note 1</div>	<div>Jumper shunts</div> <div></div> <div>17</div>	<div>LED1 to LED10 Green LED 3mm angled</div> <div></div> <div>10</div>	<div>LED11 Red LED 3mm angled</div> <div></div> <div>1</div>	<div>P1 and P2 Header 1 row x 12 pin angled</div> <div></div> <div>1</div> <div>See note 1</div>	<div>P3 Straight box header 2 row x 20 pin male</div> <div></div> <div>1</div> <div>See note 3</div>	<div>P4 and P5 Header male straight</div> <div></div> <div>1</div> <div>See JP1 etc.</div>
<div>R1 to R4 Resistor 1K</div> <div></div> <div>4</div>	<div>R5 to R12 Resistor 2K2</div> <div></div> <div>8</div>	<div>R13 and R18 Resistor 4K7</div> <div></div> <div>6</div>	<div>R19 to R23 Resistor 10K</div> <div></div> <div>5</div>	<div>R24 to R30 Resistor 100K</div> <div></div> <div>7</div>	<div>R31 Resistor 1M</div> <div></div> <div>1</div>	<div>RN1 Resistor network 8 x 1K</div> <div></div> <div>1</div> <div>Label includes "102"</div>
<div>S1 and S2 Female 1 row x 6 pin angled</div> <div></div> <div>2</div>	<div>S3 2.1mm barrel socket</div> <div></div> <div>1</div>	<div>S4 Header socket 2 row x 40 pin angled</div> <div></div> <div>1</div>	<div>S5 and S6 Female 2 row x 40 pin straight</div> <div></div> <div>2</div> <div>See note 5</div>	<div>ST1 and ST2 Screw terminal 2-pin</div> <div></div> <div>2</div>	<div>SW1 and S2 Toggle switch SPDT</div> <div></div> <div>2</div> <div>See note 2</div>	<div>SW3 Tactile button, angled</div> <div></div> <div>1</div>
<div>Screw (for spacer) M3, 6mm, pan head</div> <div></div> <div>8</div>	<div>Spacer Nylon, 10mm, M3</div> <div></div> <div>4</div>	<div>Nut (for U17) M3.5</div> <div></div> <div>1</div>	<div>Bolt (for U17) M3.5, 10mm, pan head</div> <div></div> <div>1</div>	<div>Heatsink (for U17) TO-220 19x20x9mm</div> <div></div> <div>1</div>		

Notes:



- 1/ Cut to required lengths to match the holes in the circuit board
(long nose wire cutters work well)
- 2/ Switch SW2 and jumper JP2 both select which Flash ROM (U3 or U4) is in use (you don't need both SW2 and JP2)
If SW2 is fitted then do not fit a jumper shunt to JP2 or preferably do not fit header pins JP2

<div>U1 Z80 CPU Z84C00xxPEG</div> <div></div> <div>1</div>	<div>U2 RAM 512k AS6C4008</div> <div></div> <div>1</div>	<div>U3 Flash 512k SST39SF040</div> <div></div> <div>1</div> <div>Containing RomWBW</div>	<div>U4 Flash 512k SST39SF040</div> <div></div> <div>1</div> <div>Containing SCM</div>	<div>U5 74HCT688</div> <div></div> <div>1</div>	<div>U6 and U10 74HCT273</div> <div></div> <div>2</div>	<div>U7 74AHCT139</div> <div></div> <div>1</div>
<div>U8 74HCT157</div> <div></div> <div>1</div>	<div>U9 Z80 SIO/2 Z84C42xxPEG</div> <div></div> <div>1</div>	<div>U11 74HCT125</div> <div></div> <div>1</div>	<div>U12 74HCT74</div> <div></div> <div>1</div>	<div>U13 74HCT32</div> <div></div> <div>1</div>	<div>U14 and U15 74HCT138</div> <div></div> <div>2</div>	<div>U16 74HCT02</div> <div></div> <div>1</div>
<div>U17 Regulator 7805</div> <div></div> <div>1</div>	<div>U18 Supervisor DS1233</div> <div></div> <div>1</div>	<div>X1 7.3728 MHz crystal</div> <div></div> <div>1</div>	<div>Notes:</div> <div>5/ Use either 2 x 40 pin sockets (double row) or pairs of 1 x 40 pin sockets (single row) Kits may be supplied with single row sockets due to recent quality issues with double row sockets</div>			

<div>U1 and U9 sockets 40-pin IC socket DIL</div> <div></div> <div>2</div>	<div>U2, 3 and 4 sockets 32-pin IC socket DIL</div> <div></div> <div>3</div>	<div>U5, 6 and 10 sockets 20-pin IC socket DIL</div> <div></div> <div>3</div>	<div>U7,8,14,15 sockets 16-pin IC socket DIL</div> <div></div> <div>4</div>	<div>U11,12,13,16 sockets 14-pin IC socket DIL</div> <div></div> <div>4</div>
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Notes:

- 3/ P3 may need a pin removed, depending on the type of Compact Flash adapter fitted
Read the SC720 assembly guide at www.scc.me.uk before fitting P3
- 4/ Check the jumper shunts are set correctly on the Compact Flash adapter
Details can be found in the SC720 assembly guide at www.scc.me.uk

<div>Compact Flash adapter</div> <div></div> <div>1</div> <div>See note 4</div>	<div>Dupont cable</div> <div></div> <div>1</div> <div>If needed for adapter</div>
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Welcome to your SC720, Z80 SBC / Motherboard Kit

Assembly instructions, user guide, and other documentation
can be found at www.scc.me.uk (small computer central)

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	Date: 2025-05-30	Drawn By: sccousins

Release date: 2023-05-26