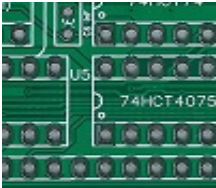
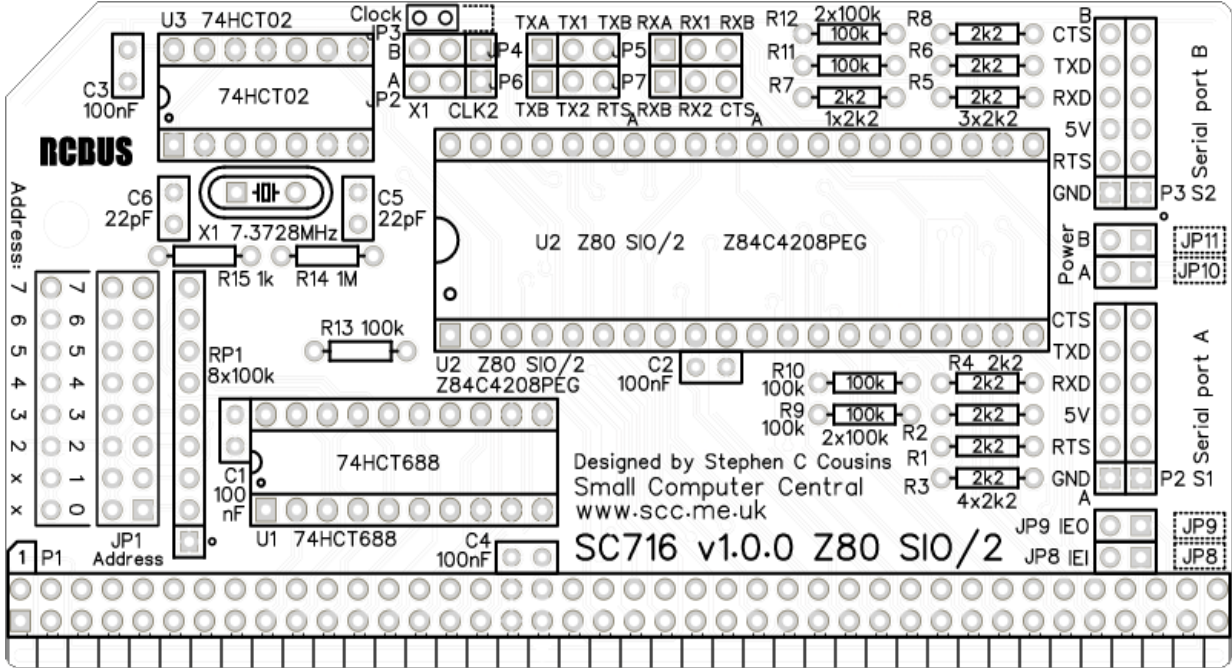


Contains small parts. Not suitable for young children. Designed for hobby use. Not suitable for commercial, industrial or safety-critical use.

|                                                                                                                                          |                                                                                                                                                                  |                                                                                                                                                                         |                                                                                                                                                                            |                                                                                                                                             |                                                                                                                                                                                                             |                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>SC716 v1.0.x<br/>Printed circuit board</p>  <p>1</p> | <p>C1 to C4<br/>100 nF</p>  <p>4</p> <p>Label includes "104"</p>                | <p>C5 and C6<br/>22 pF capacitor</p>  <p>2</p> <p>Label includes "22"</p>             | <p>JP1 Male<br/>2 row x 8 pin angled</p>  <p>1</p>                                      | <p>JP8 + JP9 Male<br/>2 row x 2 pin angled</p>  <p>1</p> | <p>JP10 + JP11 Male<br/>2 row x 2 pin angled</p>  <p>1</p>                                                               | <p>JP2 to JP7 Header<br/>2 row x 11 pin straight</p>  <p>1</p> <p>See note 1</p> |
| <p>Jumper shunts</p>  <p>16</p>                         | <p>P1 Male<br/>2 row x 40 pin angled</p>  <p>1</p>                              | <p>P2 Male<br/>1 row x 6 pin angled</p>  <p>1</p>                                     | <p>P3 Male<br/>1 row x 6 pin angled</p>  <p>1</p> <p>Cut from a strip 12+ pins long</p> | <p>R1 to R8<br/>2K2</p>  <p>8</p>                        | <p>R9 to R13<br/>100K</p>  <p>5</p>                                                                                      | <p>R14<br/>1M</p>  <p>1</p>                                                      |
| <p>R15<br/>1K</p>  <p>1</p>                             | <p>RP1 Resistor network<br/>8 x 100K</p>  <p>1</p> <p>Label includes "104"</p> | <p>S1 and S2 Female<br/>1 row x 6 pin angled</p>  <p>2</p> <p>Not recommended *2</p> | <p>Screw (for spacer)<br/>M3, 6mm, pan head</p>  <p>1</p>                              | <p>Spacer<br/>Nylon, 10mm, M3</p>  <p>1</p>             | <p>Notes</p> <p>1/ Removed the 4th and 8th pair of pins so the connector fits in JP2 to JP7 holes (pull out with pliers)</p> <p>2/ Don't fit S1 and S2 if using the USB to serial adapter from 8086.net</p> |                                                                                                                                                                     |
| <p>U1<br/>74HCT688</p>  <p>1</p>                      | <p>U2 Z80 SIO/2<br/>Z84C42xxPEG</p>  <p>1</p>                                 | <p>U3<br/>74HCT02</p>  <p>1</p>                                                     | <p>X1<br/>7.3728 MHz crystal</p>  <p>1</p>                                            |                                                        |                                                                                                                                                                                                             |                                                                                                                                                                     |
| <p>U1 socket<br/>20-pin IC socket DIL</p>  <p>1</p>   | <p>U1 Socket<br/>40-pin IC socket DIL</p>  <p>1</p>                           | <p>U3 socket<br/>14-pin IC socket DIL</p>  <p>1</p>                                 |                                                                                       |                                                                                                                                             |                                                                                                                                                                                                             |                                                                                                                                                                     |

# Welcome to your SC716, Z80 SIO/2 Serial Module Kit

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

Release date: 2023-05-14

|                             |                                                           |                     |
|-----------------------------|-----------------------------------------------------------|---------------------|
| TITLE: SC716 - Kit Contents |                                                           | REV: 1.0.1          |
| Designed for RCBUS          | Company: <a href="http://www.scc.me.uk">www.scc.me.uk</a> | Sheet: 1/1          |
| Date: 2026-09-27            |                                                           | Drawn By: sccousins |