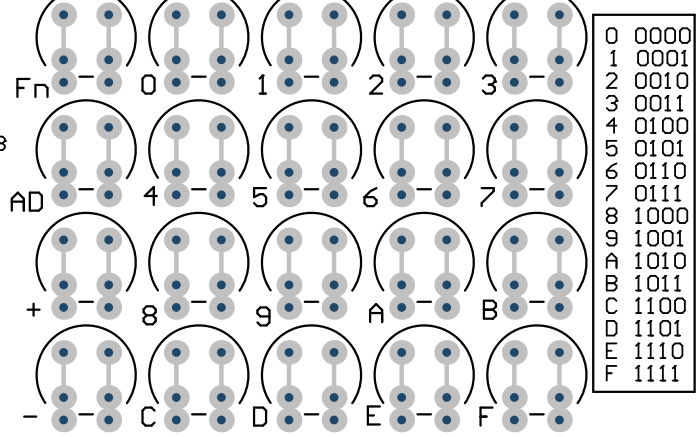
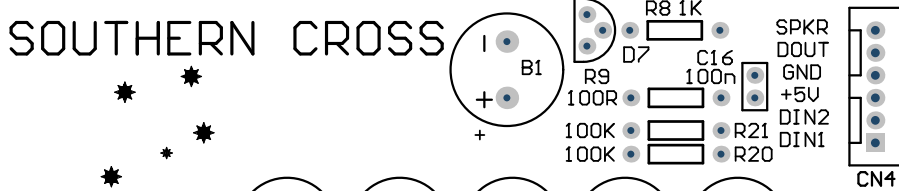
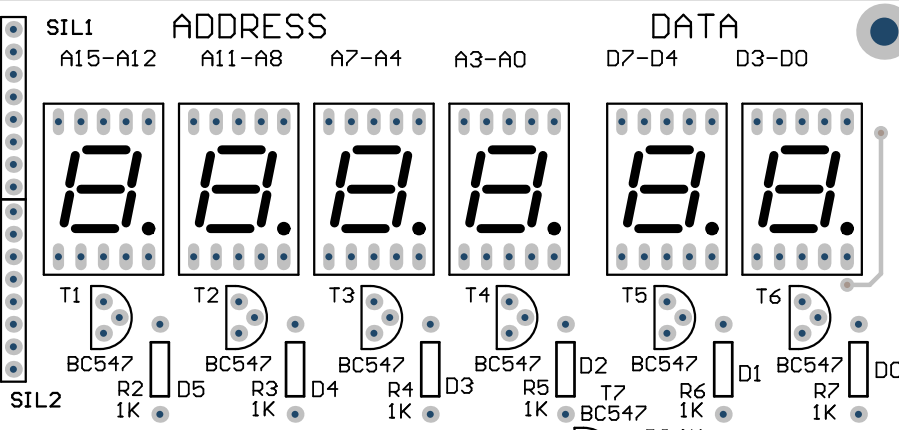
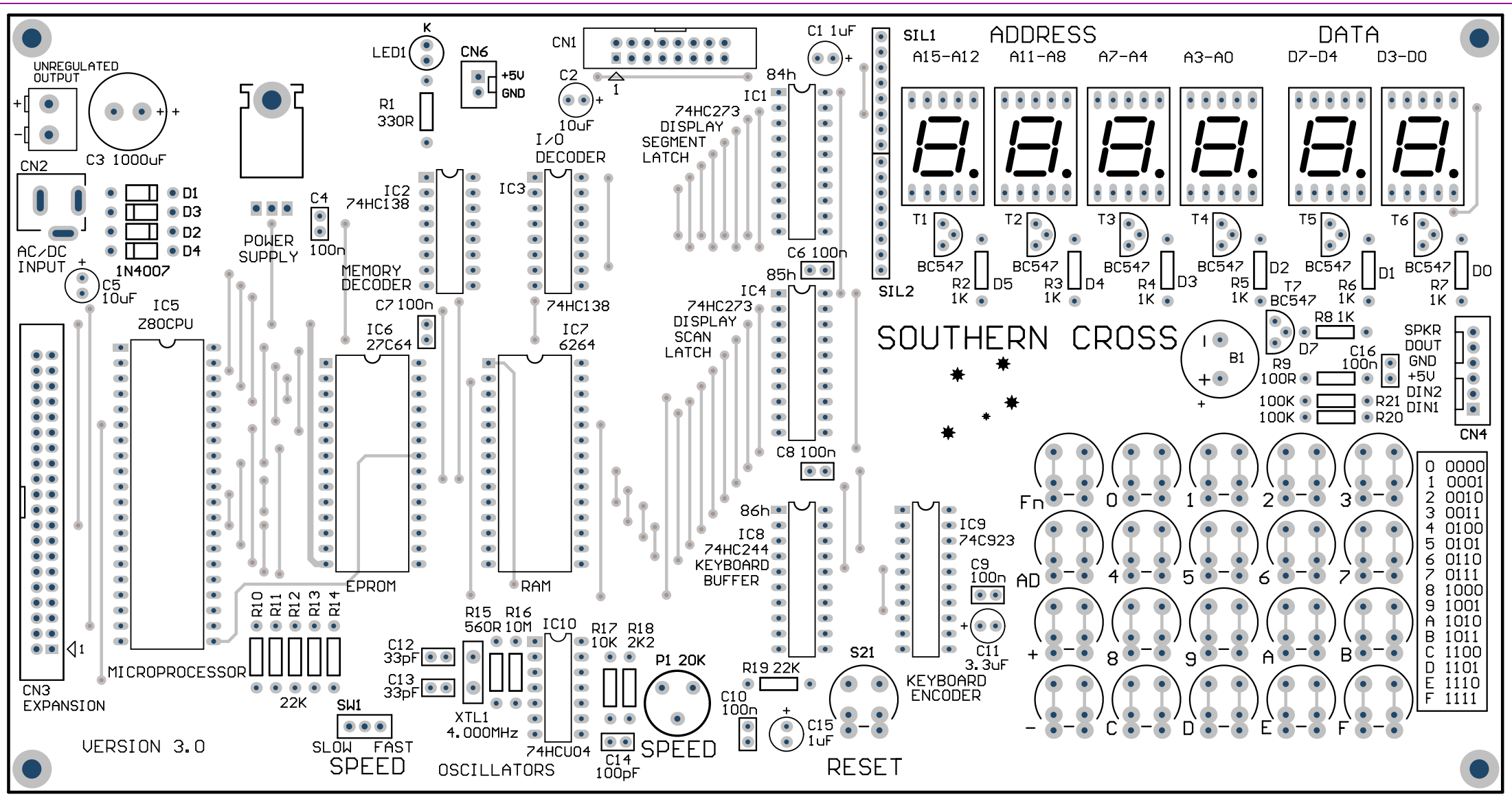


| Designator | Comment | Quantity |
|--|---|----------|
| B1 | MINI SPEAKER 6.35mm (0.25") pitch | 1 |
| C1, C15 | 1uF Electrolytic Capacitor | 2 |
| C2, C5 | 10uF Electrolytic Capacitor | 2 |
| C3 | 1000uF/35V Electrolytic Capacitor | 1 |
| C4, C6, C7, C8, C9, C10, C16 | 100n Monolithic Ceramic Capacitor | 7 |
| C11 | 3.3uF Electrolytic Capacitor | 1 |
| C12, C13 | 33pF Ceramic Capacitor | 2 |
| C14 | 100pF Ceramic Capacitor | 1 |
| CN1 | 16 WAY IDC Straight or R/A | 1 |
| CN2 | OD5.5 / ID2.1 POWER JACK | 1 |
| CN3 | 40 WAY IDC Straight or R/A | 1 |
| CN4 | SIL6 6 Way Connector 2.54mm (0.1") pitch | 1 |
| CN5 | 2 TERMINAL 5MM Terminal Block | 1 |
| CN6 | 2PIN100 2 way connector 2.54mm (0.1") pitch | 1 |
| D1, D2, D3, D4 | 1N4004 Diode | 4 |
| IC1, IC4 | 74HC273 | 2 |
| IC2, IC3 | 74HC138 | 2 |
| IC5 | Z80CPU | 1 |
| IC6 | 27C64 8k x 8 CMOS EPROM | 1 |
| IC7 | 6264 8k x 8 SRAM | 1 |
| IC8 | 74HC244 | 1 |
| IC9 | 74C923 | 1 |
| IC10 | 74HCU04 | 1 |
| LD1, LD2, LD3, LD4, LD5, LD6 | FND500/560 or CM1-5615S 7 Segment LED | 6 |
| LED1 | 5mm RED LED | 1 |
| P1 | 20K Trimpot | 1 |
| R1 | 330R | 1 |
| R2, R3, R4, R5, R6, R7, R8 | 1K | 7 |
| R9 | 100R | 1 |
| R10, R11, R12, R13, R14, R19 | 22K | 6 |
| R15 | 560R | 1 |
| R16 | 10M | 1 |
| R17 | 10K | 1 |
| R18 | 2K2 | 1 |
| R20, R21 | 100K | 2 |
| S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21 | PUSHBUTTON | 21 |
| SIL1, SIL2 | 4 INDIVIDUAL RESISTORS 100R | 2 |
| SW1 | SPDT SWITCH 2.54mm (0.1") pitch | 1 |
| T1, T2, T3, T4, T5, T6, T7 | BC547 | 7 |
| VR1 | LM7805CT | 1 |
| XTL1 | 4.000MHz | 1 |
| HS1 | TO-220 Heatsink | 1 |



| | |
|---|------|
| 0 | 0000 |
| 1 | 0001 |
| 2 | 0010 |
| 3 | 0011 |
| 4 | 0100 |
| 5 | 0101 |
| 6 | 0110 |
| 7 | 0111 |
| 8 | 1000 |
| 9 | 1001 |
| A | 1010 |
| B | 1011 |
| C | 1100 |
| D | 1101 |
| E | 1110 |
| F | 1111 |

| Comment | Description | Designator | Footprint | LibRef | Quantity |
|--------------------|-------------|--|-----------|--------------------|----------|
| DATA BUS CONNECTOR | | | | DATA BUS CONNECTOR | 1 |
| | | B1 | MINISPK | SPEAKER | 1 |
| 1uF | | C1, C15 | ELCAP100 | ELCAP1UF | 2 |
| 10uF | | C2, C5 | ELCAP100 | ELCAP10UF | 2 |
| 1000uF | | C3 | ELCAP1MF | ELCAP | 1 |
| 100n | | C4, C6, C7, C8, C10, C16 | RAD0.1 | CC100N | 6 |
| 33pF | | C12, C13 | RAD0.1 | CC33PF | 2 |
| 100pF | | C14 | RAD0.1 | CC100PF | 1 |
| 16 WAY IDC | | CN1 | IDC16P | IDC16 | 1 |
| SOCKET | | CN2 | DJ25P | DCJACK | 1 |
| 40 WAY IDC | | CN3 | IDC40P | IDC40 | 1 |
| SIL6 | | CN4 | | SIL6 | 1 |
| TBLOCK | | CN5 | EDGECON | TBLOCK | 1 |
| TBLOCK | | CN6 | MOLEX2 | TBLOCK | 1 |
| 1N4004 | | D1, D2, D3, D4 | DIODE0.4 | DIODE | 4 |
| 1N4148 | | D? | DIODE0.4 | DIODE | 4 |
| 74HC273 | | IC1, IC4 | DIP20 | 74HC273N | 2 |
| 74HC138 | | IC2, IC3 | DIP16 | 74HC138 | 2 |
| Z80CPU | | IC5 | DIP40 | Z80CPU | 1 |
| 27C64 | | IC6 | DIP28 | 2764 | 1 |
| 6264 | | IC7 | DIP28 | 6264 | 1 |
| 74HC244 | | IC8 | DIP20 | 74HC244 | 1 |
| 74HCU04 | | IC10 | DIP14 | 74HCU04 | 1 |
| CM1-5615S | | LD1, LD2, LD3, LD4, LD5, LD6 | TOS5161AS | 7SEGDISPLAY | 6 |
| | | LED1 | 5MMLED | LED | 1 |
| 20K | | P1 | CERMET | POT20K | 1 |
| 330R | | R1 | AXIAL0.4 | RES330R | 1 |
| 1K | | R2, R3, R4, R5, R6, R7, R8 | AXIAL0.4 | RES1K | 7 |
| 100R | | R9 | AXIAL0.4 | RES100R | 1 |
| 22K | | R10, R11, R12, R13, R14, R19 | AXIAL0.4 | RES22K | 6 |
| 560R | | R15 | AXIAL0.4 | RES560R | 1 |
| 10M | | R16 | AXIAL0.4 | RES10M | 1 |
| 10K | | R17 | AXIAL0.4 | RES10K | 1 |
| 2K2 | | R18 | AXIAL0.4 | RES2K2 | 1 |
| 100K | | R20, R21, R?, R?, R?, R? | AXIAL0.4 | RES100K | 7 |
| PUSHBUTTON | | S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21 | DUAL_PB | PUSHBUTTON | 21 |
| 100R | | SIL1, SIL2 | SIL4 | SIL4 | 2 |
| STRAP | | SW1 | | STRAP | 1 |
| BC547 | | T1, T2, T3, T4, T5, T6, T7 | TO-92C | BC547 | 7 |
| LM7805CT | | VR1 | TO-220 | LM7805CT | 1 |
| 4.000MHz | | XTL1 | XTAL1 | XTAL4MHZ | 1 |