```
"Source:"    "/home/hal/KiCAD/Z80_computer/Z80_computer.sch"
"Date:"      "sön 16 maj 2021 17:28:15"
"Tool:"      "Eeschema 5.1.5+dfsg1-2build2"
"Component Count:"      "61"
"Ref" "Value"     "Part"       "Footprint" "Description"      "Vendor"
"C1"  "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C2"  "10nF"       "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm"     "Unpolarized capacitor, small symbol"
      ""
"C3"  "10uF"       "Device:CP_Small" "Capacitor_THT:C_Radial_D6.3mm_H7.0mm_P2.50mm" "Polarized capacitor, small symbol" ""
"C4"  "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C5"  "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C6"  "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C7"  "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C8"  "100uF"      "Device:CP" "Capacitor_THT:CP_Radial_D5.0mm_P2.50mm" "Polarized capacitor"    ""
"C9"  "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C10" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C11" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C12" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C13" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C14" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C15" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C16" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C17" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C18" "1uF" "Device:CP_Small" "Capacitor_THT:CP_Radial_D5.0mm_P2.00mm" "Polarized capacitor, small symbol" ""
"C19" "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C20" "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C21" "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C22" "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C23" "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C24" "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
      ""
"C25" "100nF"      "Device:C_Small" "Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm"     "Unpolarized capacitor, small symbol"
```

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""
"D1"  "LED" "Device:LED"      "LED_THT:LED_D1.8mm_W3.3mm_H2.4mm" "Light emitting diode"  ""
"D2"  "1N5406"    "Device:D"  "Diode_THT:D_5W_P10.16mm_Horizontal"    "Diode"      ""
"J1"  "Reset"     "Connector:Conn_01x02_Male"   "Connector_PinHeader_1.00mm:PinHeader_1x02_P1.00mm_Vertical"    "Generic
connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)"     ""
"J2"  "Screw_Terminal" "Connector:Screw_Terminal_01x02"   "TerminalBlock:TerminalBlock_Altech_AK300-2_P5.00mm" "Generic
screw terminal, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)""
"J3"  "Conn_to_9_pin_Dsub"   "Connector_Generic:Conn_02x05_Odd_Even"  "Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical"
     "Generic connector, double row, 02x05, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers),
script generated (kicad-library-utils/schlib/autogen/connector/)"      ""
"J4"  "Conn_to_9_pin_Dsub"   "Connector_Generic:Conn_02x05_Odd_Even"  "Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical"
     "Generic connector, double row, 02x05, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers),
script generated (kicad-library-utils/schlib/autogen/connector/)"      ""
"J5"  "Conn_PIO" "Connector_Generic:Conn_02x07_Odd_Even"  "Connector_IDC:IDC-Header_2x07_P2.54mm_Vertical"    "Generic
connector, double row, 02x07, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers), script generated
(kicad-library-utils/schlib/autogen/connector/)"     ""
"J6"  "Conn_PIO" "Connector_Generic:Conn_02x07_Odd_Even"  "Connector_IDC:IDC-Header_2x07_P2.54mm_Vertical"    "Generic
connector, double row, 02x07, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers), script generated
(kicad-library-utils/schlib/autogen/connector/)"     ""
"J7"  "DB9_Female"     "Connector:DB9_Female" "Connector_Dsub:DSUB-9_Female_Vertical_P2.77x2.84mm" "9-pin female D-SUB
connector"  ""
"J8"  "Conn_02x05"     "Connector_Generic:Conn_02x05_Odd_Even"  "Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical"
     "Generic connector, double row, 02x05, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers),
script generated (kicad-library-utils/schlib/autogen/connector/)"      ""
"J9"  "DB9_Female"     "Connector:DB9_Female" "Connector_Dsub:DSUB-9_Female_Vertical_P2.77x2.84mm" "9-pin female D-SUB
connector"  ""
"J10" "Conn_02x05"     "Connector_Generic:Conn_02x05_Odd_Even"  "Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical"
     "Generic connector, double row, 02x05, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers),
script generated (kicad-library-utils/schlib/autogen/connector/)"      ""
"Q1"  "BC182"     "Transistor_BJT:BC237" "Package_TO_SOT_THT:TO-92_Inline"   "100mA Ic, 50V Vce, Epitaxial Silicon NPN
Transistor, TO-92"     ""
"R1"  "1M"  "Device:R_Small" "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
     ""
"R2"  "47k" "Device:R_Small" "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
     ""
"R3"  "10k" "Device:R_Small" "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
     ""
"R4"  "1k"  "Device:R_Small" "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
     ""
"R5"  "330" "Device:R_Small" "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
     ""
"R6"  "1k"  "Device:R_Small" "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
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       ""
"R7"  "10k" "Device:R_Small"  "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
       ""
"R8"  "10k" "Device:R_Small"  "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
       ""
"R9"  "10k" "Device:R_Small"  "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
       ""
"R10" "10k" "Device:R_Small"  "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
       ""
"R11" "10k" "Device:R_Small"  "Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P5.08mm_Vertical"    "Resistor, small symbol"
       ""
"U1"  "Z80CPU"    "CPU:Z80CPU"       "Package_DIP:DIP-40_W15.24mm" "8-bit General Purpose Microprocessor, DIP-40" ""
"U2"  "ATF22V10C" "ATF:ATF22V10C"    "Package_DIP:DIP-24_W7.62mm"  "Programmable Logic Array, DIP-24" ""
"U3"  "Z80-PIO"   "Interface:Z84C20"      "Package_DIP:DIP-40_W15.24mm" "Parallel I/O, CMOS, DIP-40" ""
"U4"  "LM555"     "Timer:LM555"      "Package_DIP:DIP-8_W7.62mm"   "Timer, DIP-8/SOIC-8/SSOP-8" ""
"U5"  "M27C256"   "Memory_EPROM:27C256"   "Package_DIP:DIP-28_W15.24mm" "OTP EPROM 256 KiBit"   ""
"U6"  "BS62LV256" "Memory_SRAM:BS62LV256" "Package_DIP:DIP-28_W15.24mm" "32Kx8 bit Low Power CMOS Static RAM, 55/70ns,
DIP-28"      ""
"U7"  "BS62LV256" "Memory_SRAM:BS62LV256" "Package_DIP:DIP-28_W15.24mm" "32Kx8 bit Low Power CMOS Static RAM, 55/70ns,
DIP-28"      ""
"U8"  "MAX232"    "Interface_UART:MAX232" "Package_DIP:DIP-16_W7.62mm"  "Dual RS232 driver/receiver, 5V supply, 120kb/s,
0C-70C"      ""
"U9"  "MAX232"    "Interface_UART:MAX232" "Package_DIP:DIP-16_W7.62mm"  "Dual RS232 driver/receiver, 5V supply, 120kb/s,
0C-70C"      ""
"U10" "Z80-CTC"   "Zilog_Z80_Peripherals:CTC-DIP-28" "Package_DIP:DIP-28_W15.24mm_LongPads"   "Z8430 Zilog CTC" ""
"U11" "SIO/0"     "Zilog_Z80_Peripherals:SIO0-DIP-40" "Package_DIP:DIP-40_W15.24mm_LongPads"   "Z80 CMOS SIO/0 Z84C40
Zilog"       ""
"X1"  "SG-531"    "Oscillator:SG-531"     "Package_DIP:DIP-8_W7.62mm"   "CMOS Crystal Clock Oscillator, DIP8-style plastic
package"     ""
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