

```

"Source:"    "/home/hal/KiCAD/Z80_computer/Z80_computer.sch"
"Date:"      "ons 26 maj 2021 13:32:34"
"Tool:"      "Eeschema 5.1.5+dfsg1-2build2"
"Component Count:" "62"
"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"

```

```

"""
"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"

```

```

    ""
    "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"
    ""
    "R12" "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_EEPROM:27C256" "Package_DIP:DIP-28_W15.24mm" "OTP EEPROM 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" "SI0/0" "Zilog_Z80_Peripherals:SI00-DIP-40" "Package_DIP:DIP-40_W15.24mm_LongPads" "Z80 CMOS SI0/0 Z84C40
    Zilog" ""
    "X1" "SG-531" "Oscillator:SG-531" "Package_DIP:DIP-8_W7.62mm" "CMOS Crystal Clock Oscillator, DIP8-style plastic
    package" ""

```