

Local_Connectors_Library

Arduino_USB-Serial_Card_Connector

1 GND
2 Pin_2
3 VCC
4 TXD
5 RXD
6 DRT

Arduino_USB-Serial_Card_Connector

1 GND
2 Pin_2
3 VCC
4 TXD
5 RXD
6 DRT

J2
Screw_Terminal_01x04
F.Mount

J3
Screw_Terminal_01x03
B.Mount

J4
Screw_Terminal_01x03
B.Mount

J5
Screw_Terminal_01x03
B.Mount

J6
AudioJack3_Switch
F.Mount

J7
AudioJack3_Switch
B.Mount

J8
Pin_Header_1x6
Conn_4P_Female

J9
Conn_3P
F.Mount

J10
Conn_3P
B.Mount

J11
Conn_4P_Female

J12
Conn_12P_Female

J13
Conn_15P_Female

J14
Conn_20P_Female

JP1
Jumper_2_Bridged
B.Mount

JP2
Jumper_3_Bridged12
F.Mount

JP3
Barrel_Jack_Switch
F.Mount

JP4
Barrel_Jack_Switch
B.Mount

The diagram illustrates a circuit for a local device library. At the top, a component labeled **RN1** is identified as **4_DIP_1.8K**. Below it, a network of components is shown:

- Capacitors:** C1 (C10nf), C2 (C100nf), C3 (C330nf), and C4 (C10uf) are connected in parallel to the output of RN1.
- Resistors:** A series of resistors (R1 through R13) are connected in series to the output of the capacitor network. The resistor values are: R1 (R27), R2 (R56), R3 (R180), R4 (R220), R5 (R390), R6 (R10K), R7 (R33K), R8 (R39K), R9 (R100K), R10 (R150K), R11 (R180K), R12 (R330K), and R13 (R680K).

Local_Transistor_BJT_Library

The diagram shows a library of five diode components, each represented by a red diode symbol with its label and part number above it:

- D1**: 1N4148WS
- D2**: 1N4004
- D3**: D_Z2V4
- D4**: LED_G3
- D5**: LED_0805_R

The diagram illustrates the Local MCU Module Library, showing two modules connected to a central bus. The modules are represented by yellow rectangles with pins and labels.


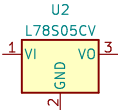
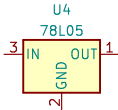
Module A1: Arduino_Ethernet

- Pin 31:** VCC
- Pin 30:** VIN
- Pin 2:** 3V3
- Pin 3:** +5V
- Pin 33:** RXD
- Pin 32:** TXD
- Pin 13:** D0/RXD
- Pin 14:** D1/TXD
- Pin 15:** D2/INT0
- Pin 16:** D3/INT1
- Pin 17:** D4/SD
- Pin 18:** D5
- Pin 19:** D6
- Pin 20:** D7
- Pin 21:** D8
- Pin 22:** D9/CS
- Pin 23:** ETHCS
- Pin 24:** MOSI
- Pin 25:** MISO
- Pin 26:** SCK
- Pin 30:** N/C
- Pin 29:** GND_BLK
- Pin 27:** GND_S
- Pin 4:** GND_L
- Pin 5:** GND_5
- Pin 34:** RTS
- Pin 1:** RESET
- Pin 28:** AREF
- Pin 7:** A0
- Pin 8:** A1
- Pin 9:** A2
- Pin 10:** A3
- Pin 11:** SDA/A4
- Pin 12:** SCL/A5
- Pin 31:** SDA/A4
- Pin 32:** SCL/A5

Module A2: Arduino_Nano_v3

- Pin 30:** VIN
- Pin 17:** 3V3
- Pin 27:** +5V
- Pin 2:** D0/RX
- Pin 1:** D1/TX
- Pin 5:** D2
- Pin 6:** D3
- Pin 7:** D4
- Pin 8:** D5
- Pin 9:** D6
- Pin 10:** D7
- Pin 11:** D8
- Pin 12:** D9
- Pin 13:** D10
- Pin 14:** D11
- Pin 15:** D12
- Pin 16:** D13
- Pin 4:** GND
- Pin 29:** GND
- Pin 28:** RESET
- Pin 3:** RESET
- Pin 18:** AREF
- Pin 19:** A0
- Pin 20:** A1
- Pin 21:** A2
- Pin 22:** A3
- Pin 23:** A4
- Pin 24:** A5
- Pin 25:** A6
- Pin 26:** A7

Local_Miscellaneous_Library

Package_TO_SOT_THT:TO-220-3_Vertical

