

Local Connectors Library

The diagram illustrates a breadboard setup for a Local Connectors Library. The breadboard is organized into sections labeled 1 through 6. Various components are connected to the breadboard using jumper wires:

- Section 1:** Arduino_USB-Serial_Card (GND, Pin_2, VCC, TXD, RXD, DRT) connected to J1.
- Section 2:** Arduino_USB-Serial_Card_Connector (GND, Pin_2, VCC, TXD, RXD, DRT) connected to J2.
- Section 3:** Screw_Terminal_01x04 (F.Mount) connected to J3.
- Section 4:** AudioJack3_Switch (F.Mount, B.Mount) connected to J4 and J5.
- Section 5:** Conn_4P_Female, Conn_3P, Conn_12P_Female, Conn_15P_Female, Conn_20P_Female connected to J6 through J10.
- Section 6:** Jumper_3_Bridged12, Jumper_2_Bridged connected to J11 and J12.

The diagram shows a 4-DIP_1.8K component with pins 1 through 8. The component is connected to a network of capacitors and resistors. The components are labeled as follows:

- Capacitors (C?):**
 - C10nf (connected to pins 1 and 2)
 - C100nf (connected to pins 2 and 3)
 - C330nf (connected to pins 3 and 4)
 - C10uf (connected to pins 4 and 5)
- Resistors (R?):**
 - R27 (connected to pins 1 and 2)
 - R56 (connected to pins 2 and 3)
 - R180 (connected to pins 3 and 4)
 - R220 (connected to pins 4 and 5)
 - R390 (connected to pins 5 and 6)
 - R10K (connected to pins 6 and 7)
 - R33K (connected to pins 7 and 8)
 - R39K (connected to pins 8 and 9)
 - R100K (connected to pins 9 and 10)
 - R150K (connected to pins 10 and 11)
 - R180K (connected to pins 11 and 12)
 - R330K (connected to pins 12 and 13)
 - R680K (connected to pins 13 and 14)

Local_Transistor_BJT_Library

Q? S8050_NPN Q? S8550_PNP

Local_Diode_Library

The diagram shows a library of five diode components, each with a unique identifier and a 'D?' label above it:

- 1N4148WS**: A standard diode symbol.
- 1N4004**: A standard diode symbol.
- D_Z2V4**: A standard diode symbol.
- LED_G3**: A diode symbol with two arrows pointing away from the cathode, indicating it is an LED.
- LED_0805_R**: A diode symbol with two arrows pointing away from the cathode, indicating it is an LED.

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 1: Arduino_Ethernet

- Pin 30:** VIN
- Pin 31:** VCC
- Pin 32:** TXD
- Pin 33:** RXD
- Pin 34:** RTS
- Pin 1:** RESET
- Pin 2:** D0/RXD
- Pin 3:** D1/TXD
- Pin 4:** D2/INT0
- Pin 5:** D3/INT1
- Pin 6:** D4/SD
- Pin 7:** A0
- Pin 8:** A1
- Pin 9:** A2
- Pin 10:** A3
- Pin 11:** SDA/A4
- Pin 12:** SCL/A5
- Pin 13:** ETHCS
- Pin 14:** MOSI
- Pin 15:** MISO
- Pin 16:** SCK
- Pin 17:** N/C
- Pin 18:** GND
- Pin 19:** GND
- Pin 20:** GND
- Pin 21:** GND
- Pin 22:** GND
- Pin 23:** GND
- Pin 24:** GND
- Pin 25:** GND
- Pin 26:** GND
- Pin 27:** GND
- Pin 28:** GND
- Pin 29:** GND
- Pin 30:** GND
- Pin 31:** GND
- Pin 32:** GND
- Pin 33:** GND
- Pin 34:** GND

Module 2: Arduino_Nano_v3

- Pin 30:** VIN
- Pin 31:** VCC
- Pin 32:** TXD
- Pin 33:** RXD
- Pin 34:** RTS
- Pin 1:** RESET
- Pin 2:** D0/RXD
- Pin 3:** D1/TXD
- Pin 4:** D2
- Pin 5:** D3
- Pin 6:** D4
- Pin 7:** AREF
- Pin 8:** A0
- Pin 9:** A1
- Pin 10:** A2
- Pin 11:** A3
- Pin 12:** A4
- Pin 13:** A5
- Pin 14:** A6
- Pin 15:** A7
- Pin 16:** GND
- Pin 17:** GND
- Pin 18:** GND
- Pin 19:** GND
- Pin 20:** GND
- Pin 21:** GND
- Pin 22:** GND
- Pin 23:** GND
- Pin 24:** GND
- Pin 25:** GND
- Pin 26:** GND
- Pin 27:** GND
- Pin 28:** GND
- Pin 29:** GND
- Pin 30:** GND
- Pin 31:** GND
- Pin 32:** GND
- Pin 33:** GND
- Pin 34:** GND

Local_Miscellaneous_Library

Vin
↑
Powersymbol for Arduino

U?
L78S05CV
VI V0
GND
2

U?
78L05
IN OUT
GND
2

Package_TO_SOT_THT:T0-220-3_Verical

U?
PC817
Ψ =
1 2 3 4

U?A
LM358DR2G
+ -
3 2 1

U?B
LM358DR2G
+ -
5 6 7 8
+ U?C
LM358DR2G
4

SW?
SW_1PoL3Pos
F.Mount
1 2 3

SW?
SMD-SW-4
F.Mount
1 2 3 4

SW?
SW_MEK_5E
F.Mount
1 2 3 4

AE?
Antenna
F.Mount

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