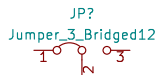
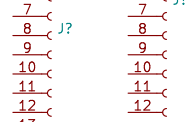
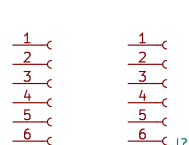
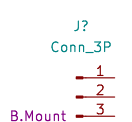
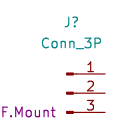
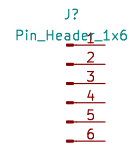
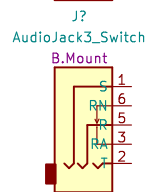
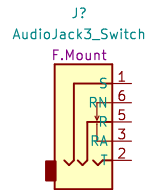
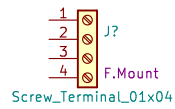


The diagram illustrates the Local Connectors Library, showing various connector types and their pin configurations. The connectors are organized into columns, with their names and pin details listed below them.

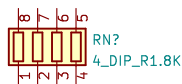
**Connectors and Pin Configurations:**

- Arduino\_USB-Serial\_Card:**
  - 1: GND
  - 2: Pin\_2
  - 3: VCC
  - 4: TXD
  - 5: RXD
  - 6: DRT
- Arduino\_USB-Serial\_Card\_Connector:**
  - J?
  - GND
  - Pin\_2
  - VCC
  - TXD
  - RXD
  - DRT
- Screw\_Terminal\_01x04:**
  - 1: J?
  - 2: F.Mount
  - 3: F.Mount
  - 4: F.Mount
- Screw\_Terminal\_01x03:**
  - 1: J?
  - 2: F. Mount
  - 3: F. Mount
- B. Mount:**
  - 1: J?
  - 2: Screw\_Terminal\_01x03
  - 3: B. Mount
- AudioJack3\_Switch:**
  - J?
  - F.Mount
  - 1: S
  - 2: RA
  - 3: RA
  - 4: RA
  - 5: RA
  - 6: RA
  - 7: RA
  - 8: RA
  - 9: RA
  - 10: RA
  - 11: RA
  - 12: RA
  - 13: RA
  - 14: RA
  - 15: RA
- Conn\_3P:**
  - J?
  - 1: Conn\_3P
  - 2: Conn\_3P
  - 3: Conn\_3P
- Conn\_12P\_Female:**
  - J?
  - 1: Conn\_12P\_Female
  - 2: Conn\_12P\_Female
  - 3: Conn\_12P\_Female
  - 4: Conn\_12P\_Female
  - 5: Conn\_12P\_Female
  - 6: Conn\_12P\_Female
  - 7: Conn\_12P\_Female
  - 8: Conn\_12P\_Female
  - 9: Conn\_12P\_Female
  - 10: Conn\_12P\_Female
  - 11: Conn\_12P\_Female
  - 12: Conn\_12P\_Female
- Conn\_15P\_Female:**
  - J?
  - 1: Conn\_15P\_Female
  - 2: Conn\_15P\_Female
  - 3: Conn\_15P\_Female
  - 4: Conn\_15P\_Female
  - 5: Conn\_15P\_Female
  - 6: Conn\_15P\_Female
  - 7: Conn\_15P\_Female
  - 8: Conn\_15P\_Female
  - 9: Conn\_15P\_Female
  - 10: Conn\_15P\_Female
  - 11: Conn\_15P\_Female
  - 12: Conn\_15P\_Female
  - 13: Conn\_15P\_Female
  - 14: Conn\_15P\_Female
  - 15: Conn\_15P\_Female
- Jumper\_3\_Bridged12:**
  - J?
  - 1: Jumper\_3\_Bridged12
  - 2: Jumper\_3\_Bridged12
  - 3: Jumper\_3\_Bridged12



The diagram shows a 4-DIP\_1.8K component with pins 1 through 8. The component is connected to a network of resistors and capacitors. The components are labeled as follows:

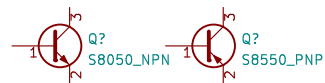
- Capacitors (C?):**
  - C10nf (connected to pins 1 and 2)
  - C100nf (connected to pins 2 and 3)
  - C330nf (connected to pins 3 and 4)
  - C10uf (connected to pins 4 and 5)
- Resistors (R?):**
  - R27 (connected to pins 1 and 2)
  - R56 (connected to pins 2 and 3)
  - R180 (connected to pins 3 and 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)



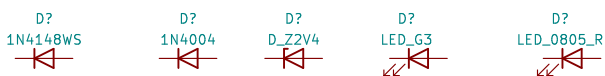
Local\_Transistor\_BJT\_Library

Q? S8050\_NPN

Q? S8550\_PNP



The diagram shows a horizontal row of five diode components from a library. Each component is represented by a red diode symbol with a green label above it. The labels are: D?, 1N4148WS, D?, 1N4004, D?, D\_Z2V4, D?, LED\_G3, and D?, LED\_0805\_R. The first four components are standard diodes, while the last two are LEDs. The LED symbols have additional arrows indicating light emission.



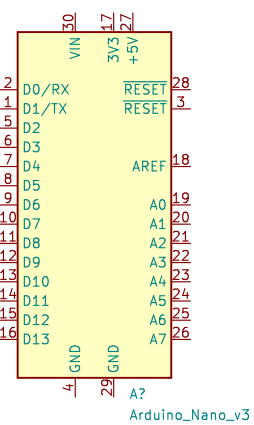
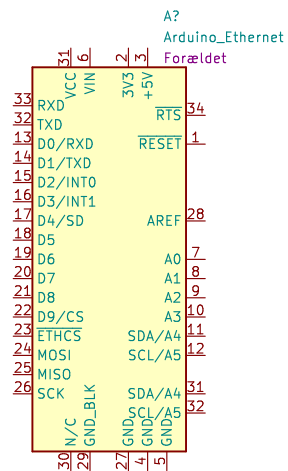
The diagram illustrates the Local MCU Module Library, showing two modules connected to a central bus. The modules are represented by yellow rectangles with pins and labels.

**Module 1: Arduino\_Ethernet**

- Pin 31:** VCC
- Pin 30:** VIN
- Pin 2:** 3V3
- Pin 3:** +5V
- Pin 34:** RTS
- Pin 1:** RESET
- 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:** SDA/A4
- Pin 4:** GND
- Pin 5:** GND

**Module 2: Arduino\_Nano\_v3**

- Pin 30:** VIN
- Pin 17:** 3V3
- Pin 27:** +5V
- Pin 28:** RESET
- Pin 3:** RESET
- 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 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

U?  
L78S05CV

U?  
78L05

Package\_T0\_SOT\_THT:T0-220-3\_Vertical

U?  
PC817

SW?  
SW\_MEC\_5E

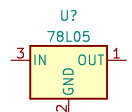
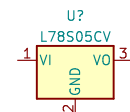
U?A  
LM358DR2G

U?B  
LM358DR2G

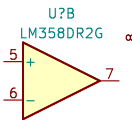
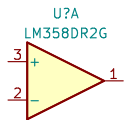
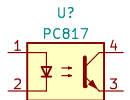
U?C  
LM358DR2G

V<sub>in</sub>

Powersymbol for Arduino



Package\_TO\_SOT\_THT:TO-220-3\_Vertical



$V_{in}$   
↑  
Powersymbol for Arduino