

JP2

| Pin | Signal | Component/Value        |
|-----|--------|------------------------|
| 1   | VDD    | +5V                    |
| 2   | DOUT   | D8(RXD1) B14, 100R, TX |
| 3   | DIN    | D7(TXD1) B14, 100R, RX |
| 4   | DIO12  |                        |
| 5   | RESET  |                        |
| 6   | RSSI   |                        |
| 7   | DIO11  |                        |
| 8   | RES    |                        |
| 9   | DTR    | D26(PWR_GSM)           |
| 10  | GND    |                        |
| 11  | DIO4   |                        |
| 12  | CTS    | D10(#SS1)              |
| 13  | RES    |                        |
| 14  | DIO5   |                        |
| 15  | RTS    |                        |
| 16  | DIO3   |                        |
| 17  | DIO2   |                        |
| 18  | DIO1   |                        |
| 19  | DIO0   |                        |
| 20  | VDD    |                        |

[illegible]

The diagram illustrates the pin connections for an Arduino Duemilanove Decimila microcontroller. The microcontroller is shown as a central component with various pins labeled on the left and right sides. The connections are as follows:

- Power Connections:**
  - VIN: Connected to the 5V pin.
  - GND1, GND2: Connected to the GND pin.
  - 5V: Connected to the 5V pin.
  - 3V: Connected to the 3V pin.
  - /RESET: Connected to the RESET pin.
- Digital Connections:**
  - D0 (RXD1), D1 (TXD2), D2, D3 (LED2), D4, D5 (SCI), D6, D7 (TXD1), D8 (RXD1), D9 (SDA), D10 (#SS1), D11 (MOSI1), D12 (MISO1), D13 (SCK1/LED1), D14 (CANRX): Connected to the corresponding pins on the left side.
  - D15 (A0), D16 (A1), D17 (A2), D18 (A3), D19 (A4), D20 (A5): Connected to the corresponding pins on the right side.
- uC Connections:**
  - A 10uF/6.3V capacitor (C34) is connected to D17 (A2) and ground.
  - A 10uF/6.3V capacitor (C8) is connected to D18 (A3) and ground.

The diagram is labeled "ARDUINO Duemilanove Decimila" and "uC Connections".

[illegible]

# DISCRETE INPUT/OUTPUT