

The diagram illustrates the hardware connections for an Arduino Uno R3 board. It includes the following components and their connections:

- ICSP Programmer (J2):** Connected to the 5V and GND pins. The MISO pin is connected to pin 1, SCK to pin 2, MOSI to pin 3, and Reset to pin 4.
- Button 1 (J3):** Connected to the 5V and GND pins. The button is connected to pin 1 and pin 2.
- Button 2 (J4):** Connected to the 5V and GND pins. The button is connected to pin 1 and pin 2.
- Joystick Y (J5):** Connected to the 5V and GND pins. The joystick is connected to pin 1, pin 2, pin 3, pin 4, pin 5, and pin 6.
- Joystick X (J6):** Connected to the 5V and GND pins. The joystick is connected to pin 1, pin 2, pin 3, pin 4, pin 5, and pin 6.
- MCU_LED1 (J6):** Connected to the 5V and GND pins. The LED is connected to pin 1 and pin 2.
- MCU_LED2 (J6):** Connected to the 5V and GND pins. The LED is connected to pin 1 and pin 2.

The diagram shows a circuit for a reset button. It consists of a switch labeled SW1 and a capacitor labeled C41 with a value of 100nF. The switch SW1 is connected to a line labeled 'Reset'. The other side of the switch is connected to one terminal of the capacitor C41. The other terminal of the capacitor C41 is connected to ground, represented by a standard ground symbol.

3V3 Regulator

Pinout diagram for the PicoBlade_8 module. The module has 8 pins connected to the PicoBlade_8 header (J7).

Signal	Pin
NRSTPD	1
MISO	2
MOSI	3
SCK	4
NSS	5
NSS	6
IRQ	7
Ground	8

The diagram shows the PicoBlade_8 module connected to the PicoBlade_8 header (J7). The module has 8 pins connected to the PicoBlade_8 header (J7). The pins are numbered 1 to 8 on the left and 1 to 8 on the right. The signals are: NRSTPD (pin 1), MISO (pin 2), MOSI (pin 3), SCK (pin 4), NSS (pin 5), NSS (pin 6), IRQ (pin 7), and a ground symbol (pin 8). A +3V3 supply is connected to pin 1, and a ground symbol is connected to pin 8.

Title DPS_Arcade			
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