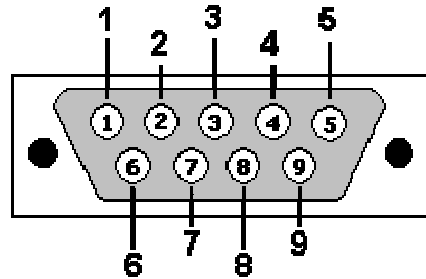


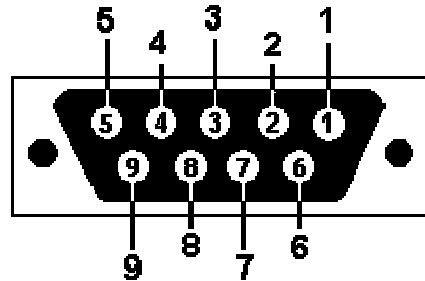
DB9F (female) with holes  
This female connector is attached to the **joystick**.



Back or solder side of female DB9



DB9M (male) with pins  
This male connector is used as the joystick socket on the **transmitter**.



Back or solder side of male DB9

*A DB25M can be used as socket for 1 or 2 joysticks if pins 6,7,8,18,19,20 & 21 are broken out with a needle nose pliers.*

### Joystick pinout for DB9

This setup is compatible with available Atari 2600 style joysticks

- 1 – Up
- 2 – Down
- 3 – Left
- 4 – Right
- 5 – X potentiometer (speed control)
- 6 – Button 1 (gripper open)
- 7 – Vcc (+5v or +3.3v) for potentiometer
- 8 – Ground
- 9 – Button 2 (gripper close)\*
- 10 – Optional Y potentiometer (attach wire to connector shell with screw and nut)

\* if there is only one button on the joystick then (button 1 = button + left) and (button2 = button + right)

\*\*Atari joysticks have only up, down, right, left and button 1 with ground