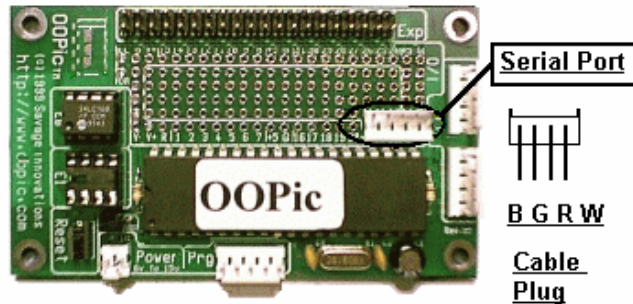


SuperDroid Robots

AUTONOMOUS ROBOT DEVELOPMENT AND SALES



Connecting the Serial Port to a PC

Installation (see note 2 below).

- A. For Type 1 cables connect the Molex connector of the serial interface cable to the board header as follows.
 1. Locate the 4 holes in the prototype area on the OOPic board labeled 22, 23, +5, and G nearest the OOPic chip.
 2. Locate the 4-pin header supplied with the serial interface cable kit.
 3. Insert the header into the 4 holes labeled 22, 23, +5, and G with the header key facing away from the OOPic chip.
 4. Solder the header into place from the backside of the OOPic board.
 5. Using a multi-meter check for continuity between each of the header pins and pins 37 and 39 of the OOPic I/O connector, between pin 3 and 4 of the header and +5 and ground on the OOPic board. Check to ensure there are no solder bridges between header pins.
- B. For Type 2 cables connect the red-white plug to +5 volts and ground on the OOPic I/O connector. Connect the black-green connector to I/O lines of your choice.
- C. For Type 3 cables connect the Molex connector of the serial interface cable to the board header installed above. Connect the blue-brown connector to I/O lines of your choice.
- D. For Type 4 cables connect the red-white plug to +5 volts and ground on the OOPic I/O connector. Connect the black-green connector to I/O lines of your choice. Connect the blue-brown connector to I/O lines of your choice.
- E. For all cables, plug the DB9 connector directly into the PC or into a RS232 cable from the PC.

Notes:

1. The ttl to RS232 cable is wired as a null modem cable. On the DB9 connector, pin 2 is receive data, pin 3 is transmit data and pin 5 is ground.
2. The black wire is ttl output to the PC. The green wire is ttl input from the PC. The red wire is +5 volts and the white wire is Ground. The blue wire is CTS from the PC and the brown wire is RTS from the PC.

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