



# Tech Info Library

## Apple IIc Hardware: Port Pin assignments

### HAND CONTROL

| Connector<br>Pin Number | Signal<br>Name | Description  |
|-------------------------|----------------|--|
| 1                       | GAMESW1        | Switch input (paddle #1)   |
| 2                       | +5             | +5 VDC (Do not exceed 100 MA)  |
| 3                       | GND            | System Ground  |
| 4,9                     | -              | Not used for hand controllers  |
| 5,8                     | PDL0 & PDL1    | Hand control inputs. Each of these must be connected to a 1K pot connected to +5 |
| 6                       | N.C.           | Not connected  |
| 7                       | GAMESW0        | Switch input 0 (paddle #0)   |

### MOUSE CONNECTOR

| Connector<br>Pin number | Signal<br>Name | Description                   |
|-------------------------|----------------|-------------------------------|
| 1                       | MOUSEID        | Mouse Identifier              |
| 2                       | +5V            | +5VDC (Do not exceed 100 ma.) |
| 3                       | GND            | System Ground                 |
| 4                       | X1             | Mouse X-direction Indicator   |
| 5                       | X0             | Mouse X-movement interrupt    |
| 6                       |                | Mouse button                  |
| 7                       | MSW            | Mouse button                  |
| 8                       | Y1             | Mouse Y-direction indicator   |
| 9                       | Y0             | Mouse Y-movement interrupt    |

### EXTERNAL POWER

| Connector<br>Pin Number | Signal<br>Name | Description               |
|-------------------------|----------------|---------------------------|
| 1,7                     |                | Not Connected             |
| 2,3                     | Ground         | Common electrical ground  |
| 4                       | Chassis        | Chassis ground            |
| 5,6                     | +15V           | +15VDC input to converter |

Keywords: <None>

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