



Tech Info Library

LaserWriter II Family: List Of Pinouts (6/94)

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TOPIC -----

Is there a listing of the pinouts for the various connectors on the LaserWriter II I/O boards?

DISCUSSION -----

Here is a list of LaserWriter II I/O board pinouts:

LaserWriter II Mini Circular-8 RS-422:

| Pin | Signal | Description |
|-----|--------|------------------|
| 1 | HSKo | Handshake output |
| 2 | HSKi | Handshake input |
| 3 | TxD- | Transmit data - |
| 4 | SG | Signal Ground |
| 5 | RxD- | Receive data - |
| 6 | TxD+ | Transmit data + |
| 7 | RxD+ | Receive data + |

LaserWriter II RS-232C:

| Pin | Signal | Description |
|-------|--------|---------------------|
| 1,7 * | SGnd | Signal Ground |
| 2 * | Txd | Transmit Data |
| 3 * | Rxd | Receive Data |
| 4 | Rts | Request to send |
| 5 | Cts | Clear to send |
| 6 | DSR | Data Set Ready |
| 8 | DCD | Data Carrier Detect |
| 20 | DTR | Data Terminal Ready |
| 22 | Ring | Ring indicator |

* Only pins 1 (or 7,) 2, and 3 are needed by the LaserWriter II. The other pins exist for support of communication with devices requiring specific hardware

handshaking.

NOTE: The RS-232C connector on the LaserWriter is configured as Data Terminal Equipment (DTE), which means that you can connect it directly to a modem or host computer that is configured as Data Communication Equipment (DCE) without any signal reversals. Connection to another DTE device, such as a Macintosh or IBM-compatible, requires that the TxD and the RxD of each connector be crossed connected.

LaserWriter IIsc, IIIntx, IIIf and IIg SCSI port:

```
-----  
Pin      Signal  
  
26       /DATA0  
27       /DATA1  
28       /DATA2  
29       /DATA3  
30       /DATA4  
31       /DATA5  
32       /DATA6  
33       /DATA7  
34       /PARITY  
38       +5V  
41       /ATN  
43       /BUSY  
44       /ACK  
45       /RST  
46       /MSG  
47       /SEL  
48       C/D  
49       REQ  
50       I/O
```

Pins 1-12, 14-25, 35-37, 39, 40, 42 are GROUND. Pin 13 is not connected.

Apple DeskTop Bus Mini Circular-4:

```
-----  
Pin      Signal      Description  
  
1  
2  
3  
4
```

| | | |
|--|--|---------------------|
| | | Bi-directional Data |
| | | Not Connected |
| | | Not connected |
| | | Ground |

LaserWriter IIg ethernet connector:

```
-----  
Pin      Signal      Description  
  
1  
2  
3  
4
```

| | | |
|--|--------|-----------------------------------|
| | FN Pwr | Power (+12V @ 2.1W or +5V @ 1.9W) |
| | DI-A | Data In circuit A |
| | DI-B | Data In circuit B |
| | VCC | Voltage Common |

| | | |
|-------|----------|-------------------------------------|
| 5 | CI-A | Control In circuit A |
| 6 | CI-B | Control In circuit B |
| 7 | +5V | +5 volts (from host) |
| 8 | +5V | Secondary +5 volts (from host) |
| 9 | DO-A | Data Out circuit A |
| 10 | DO-B | Data Out circuit B |
| 11 | VCC | Secondary Voltage Common |
| 12 | NC | Reserved |
| 13 | NC | Reserved |
| 14 | FN Pwr | Secondary +12V @ 2.1W or +5V @ 1.9W |
| Shell | Prot Gnd | Protective Ground |

Article Change History:

23 Jun 1994 - Reviewed for technical accuracy, revised formatting, added
LaserWriter II^f and II^g.

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