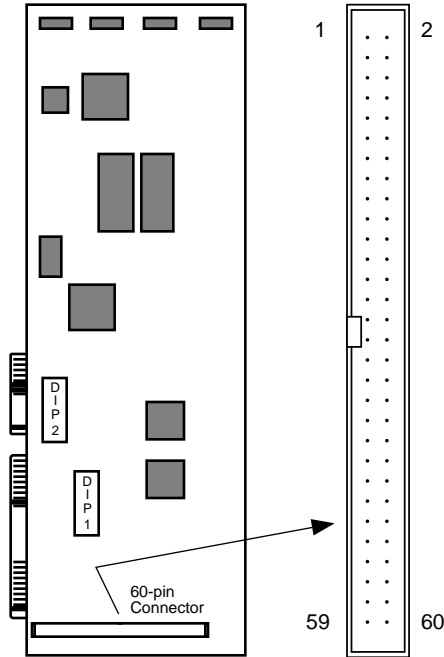


Connections see also pages 6-14

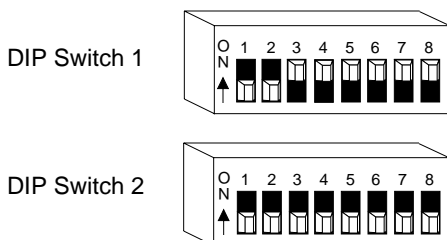


PIN OUTS FOR 60-PIN CONNECTOR

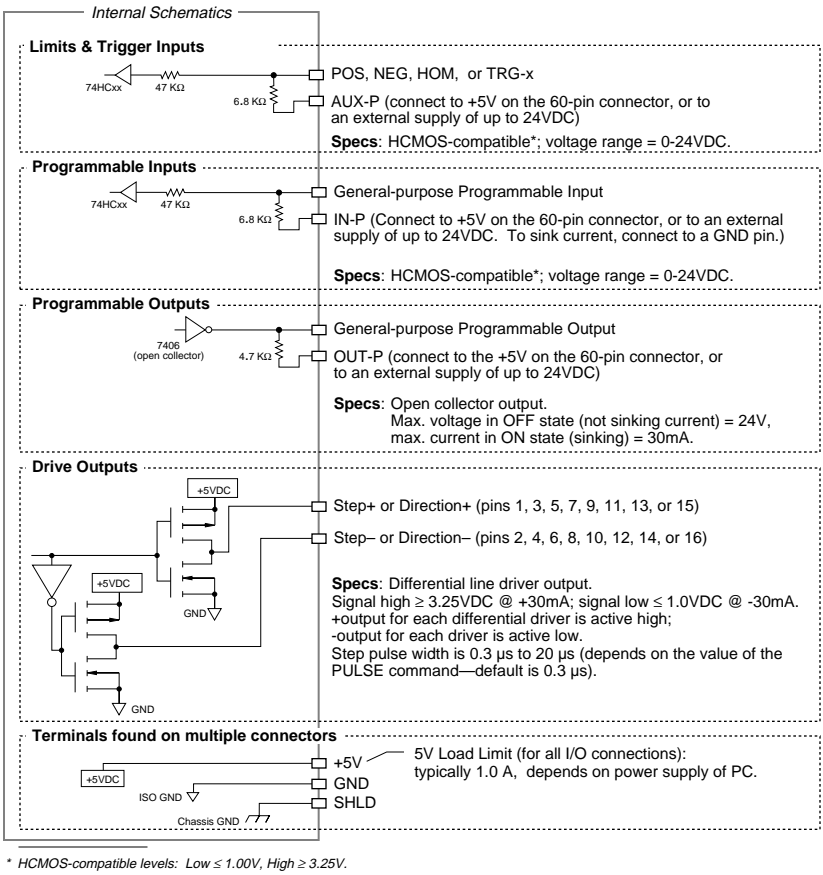
Pin	Function	Pin	Function
1	Step 1 +	2	Step 1 -
3	Direction 1 +	4	Direction 1 -
5	Step 2 +	6	Step 2 -
7	Direction 2 +	8	Direction 2 -
9	Step 3 +	10	Step 3 -
11	Direction 3 +	12	Direction 3 -
13	Step 4 +	14	Step 4 -
15	Direction 4 +	16	Direction 4 -
17	POS 1	18	+5V
19	NEG 1	20	GND
21	HOM 1	22	GND
23	POS 2	24	GND
25	NEG 2	26	GND
27	HOM 2	28	GND
29	POS 3	30	GND
31	NEG 3	32	+5V
33	HOM 3	34	AUX-P
35	POS 4	36	+5V
37	NEG 4	38	IN-P
39	HOM 4	40	+5V
41	TRIG-A	42	OUT-P
43	TRIG-B	44	OUT 1
45	TRIG-C	46	OUT 2
47	TRIG-D	48	OUT 3
49	IN 1	50	OUT 4
51	IN 2	52	GND
53	IN 3	54	GND
55	IN 4	56	GND
57	IN 5	58	SHLD
59	IN 6	60	SHLD

DIP Switch Factory Default Settings

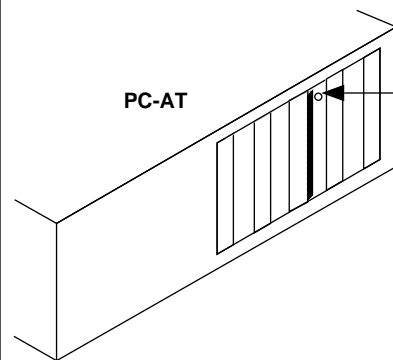
DIP Switch 1 is used to set the Address and Transfer Mode.
DIP Switch 2 is used to set Interrupts.



I/O SPECIFICATIONS AND INTERNAL SCHEMATICS



Troubleshooting see also pages 18 -22



After applying power, the LED will be off. After downloading the operating system, the status LED will turn green indicating the system is ready for operation. If the LED does not turn green after downloading the operating system, an error has occurred. The download program (AT6400) issues an error message if it cannot find the card or if the download operation is not successful (refer also to the Downloading Error Table provided Chapter 2).

Board Monitor Alarm (BMA): Detects un-recoverable faults in hardware and software. When the BMA detects a fault, the LED turns off. The BMA can be reset by cycling power to the PC-AT, or by re-downloading the operating system.

- LED – see illustration (above).
- Status information (see command descriptions in *6000 Series Software Reference Guide*):
 Axis status (general problem conditions)...TAS command
 Limit switches.....TLIM command
 Programmable and trigger inputs.....TIN command
 Programmable outputs.....TOUT command
- Programmable input functions (INFNC command) will not be operable until you enable input functions with the INFEN1 command.
- To help prevent electrical noise, shield all connections at one end only.
- Error messages while programming or executing programs – see the *6000 Series Programmer's Guide*.
- Download errors – see page 21.
- Address, transfer mode, and interrupt DIP switch settings – see page 4.
- Technical support – see phone numbers on inside of front cover.