Swell Shoe DIP Switch’s and Inputs.

- **Swell Shoe Connections.** Located between the Swell Shoe DIP switch and the Power Connector is a Six terminal connector strip labeled - 1, 2, 3, 4 and +. Refer to Fig 3 for the wiring configuration. Each shoe will require a 5000 ohm Liner Taper potentiometer, the High Side terminal is wired to the PLUS terminal, the low side of the pot to the GROUND terminal of the six pin connector P-1. The wiper of each pot will connect to terminals labeled 1, 2, 3 and 4, depending on how many swell shoes are installed. The mating connector is a SIX Terminal Molex KK-100 series.

- **Swell Shoe DIP Switch** For each terminal that has a pot connected, the corresponding DIP switch will be put in the OFF position. For example, if a pot is connected to Terminal 1, switch 1 will be set to OFF and switch’s 2, 3 and 4 will be set to ON. When testing the swell shoe operation, midi note 0 should be seen for closed and note 128 for full open. If the note range is reversed, reverse the wires on Pin 1 and 6 on the connector.

**NOTE: UNUSED INPUTS TERMINALS MUST HAVE THE CORRESPONDING SWITCH IN THE ON POSITION.**
Connecting the DCPS-12 power supply to the PIC-1

Note: the terminals on the power cord connector are marked + & - for connecting to the Green Power Block.

The DCPS-12 can also be plugged directly into the DC-JACK.
Negative/Positive Switching Jumper.
The PIC-1 is designed to accept either Negative switching or Positive Switching inputs. The option is set by a jumper that is set for either Plus 5 V or GND. The jumper is factory set to the 5V position that will allow the inputs to be switched to GROUND. Do not change the jumper location. If the jumper is missing, the PIC-1 will not send midi data.

For the PIC-1-HV, Positive 8 to 15 VDC to the INPUT PINS, the jumper should be between the Center Pin and the GND pin.

![Jumper in the correct position Version 3 and earlier.](image)

+5V, GND Jumper
DC Power Jack

Revision 4 updates and additions.
Rev. 4 includes a DC Power Jack for direct, plug-in connection to the 12 volt power supply. The DC Jack connects to the Green Power connector.

The three terminal with Jumper connector located next to the DC Jack has a minor change. For PIC-1 cards, the jumper is connected to the Center and +5V PINS. For the PIC-1-HV, the jumper is connected to the Center and GND PINS.
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