

## Connectors:

### J11 Connected to second parallel port

|           |   |
|-----------|---|
| Pin 1     | K1 relay out J12                                    |
| Pin 2     | Encoder/general purpose input see Note1             |
| Pin 3     | Encoder/general purpose input see Note1             |
| Pin 4     | Encoder/general purpose input see Note1             |
| Pin 5     | Encoder/general purpose input see Note1             |
| Pin 6     | Encoder/general purpose input see Note1             |
| Pin 7     | Encoder/general purpose input see Note1             |
| Pin 8     | Encoder/general purpose input see Note1             |
| Pin 9     | Encoder/general purpose input see Note1             |
| Pin 10    | Input 1/MPG1 A to J16-2                             |
| Pin 11    | Input 2/MPG1 B to J16-1                             |
| Pin 12    | Input 3/MPG2 A to J17-1                             |
| Pin 13    | Input 4/MPG2 B to J17-2                             |
| Pin 14    | K2 relay J13  |
| Pin 15    | Probe/Switch (pulled up to +5v) J18-1 & J18-2 = GND |
| Pin 16    | K3 relay J15  |
| Pin 17    | Charge pump / K4 relay J15                          |
| Pin 18-28 | GND   |

### J9 (mode)

CP uses charge pump

NCP no charge pump

A special cable can be connected (see note 2) from the MODE jumper on the encoder interface to the MODE jumper on the Sound Logic breakout board and use the charge pump from the breakout board for both boards.

This provides one more relay out (K4) for other uses.

### J10

115 vac / 220 vac

For 115vac JP1 and JP2 are installed, use as is

For 220vac A jumper from JP1-1 to JP2-1 must be installed and the two existing jumpers for 115 vac operation must be removed.

### Note 2:

J9-1

J9-2 Red jumper between J9-1 and J9-2 is for charge pump on output 4.

J9-3 Red jumper between J9-2 and J9-3 is for no charge pump and output 4 may be used in the same manner as output 1,2 and 3.