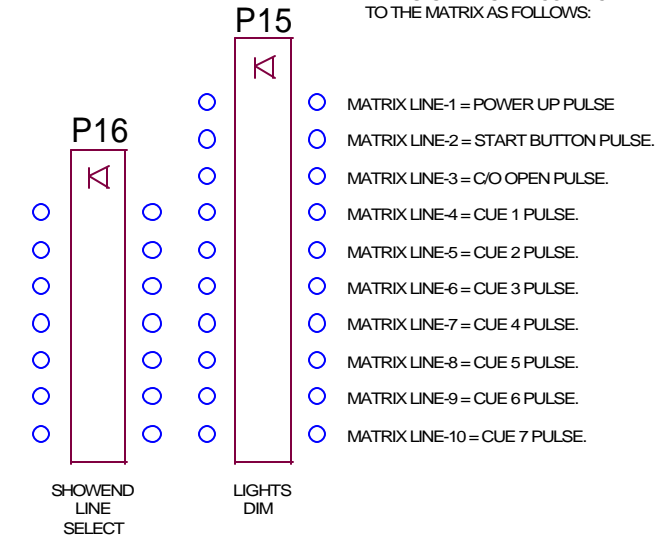


PHYSICAL LAYOUT MATRIX SECTION FRONT PANEL/RELAY BOARD.

MATRIX LINE DESIGNATIONS

THE PULSE LINES ARE CONNECTED TO THE MATRIX AS FOLLOWS:



NOTES:

DIODE SYMBOL SIDE OF PLUG IS LINE-1 TYPICAL.

P15 AND P16 ARE SHOWN TO ILLUSTRATE THE RELATIONSHIP OF THE SHOWEND SELECT SOCKET TO THE 7 CUE LINES ON THE MATRIX.

THE SHOWEND SELECT SOCKET (P16) IS CONNECTED ONLY TO THE 7 PROGRAMMABLE CUE LINES.

THE LINE IN WHICH THE DIODE PLUG IS INSERTED IS SELECTED TO BE THE SHOWEND LINE.

FOR EXAMPLE IF THE DIODE PLUG IS INSERTED INTO MATRIX LINE #6 (ON THE SHOWEND LINE SELECT SOCKET), CUE #3 WILL SWITCH THE AUTOMATION INTO SHOWEND MODE.

THERE ARE TWO MODES OF OPERATION FOR THE CUE LOGIC BOARD. SEQUENTIAL AND RANDOM.

IN THE SEQUENTIAL MODE, INDIVIDUAL CUES ARE PLACED ON THE FILM ON THE FRAME LINE. AS EACH SINGLE TAPE IS SENCED, THE CUE COUNTER ADVANCES ONE LINE, PULSES THAT LINE AND WAITS FOR THE NEXT CUE TAPE TO BE SENCED. THIS SEQUENCE CONTINUES UNTIL THE SHOWEND LINE IS REACHED. WHEN THE SHOWEND LINE IS REACHED, THE CORRESPONDING LINE IS PULSED AND THE COUNTER IS RESET AWAITING THE START OF THE NEXT SHOW.

IN THE RANDOM MODE, ANY CUE MAY BE USED ANY NUMBER OF TIMES IN ANY ORDER. CUES ON BOTH SIDES OF THE SELECTED SHOWEND LINE MAY BE USED WITHOUT AFFECTING THE SELECTED SHOWEND LINE. PLACING A CUE TAPE NUMBER CORRESPONDING TO THE SELECTED SHOWEND CUE LINE WILL TRIGGER THE SHOWEND MODE.

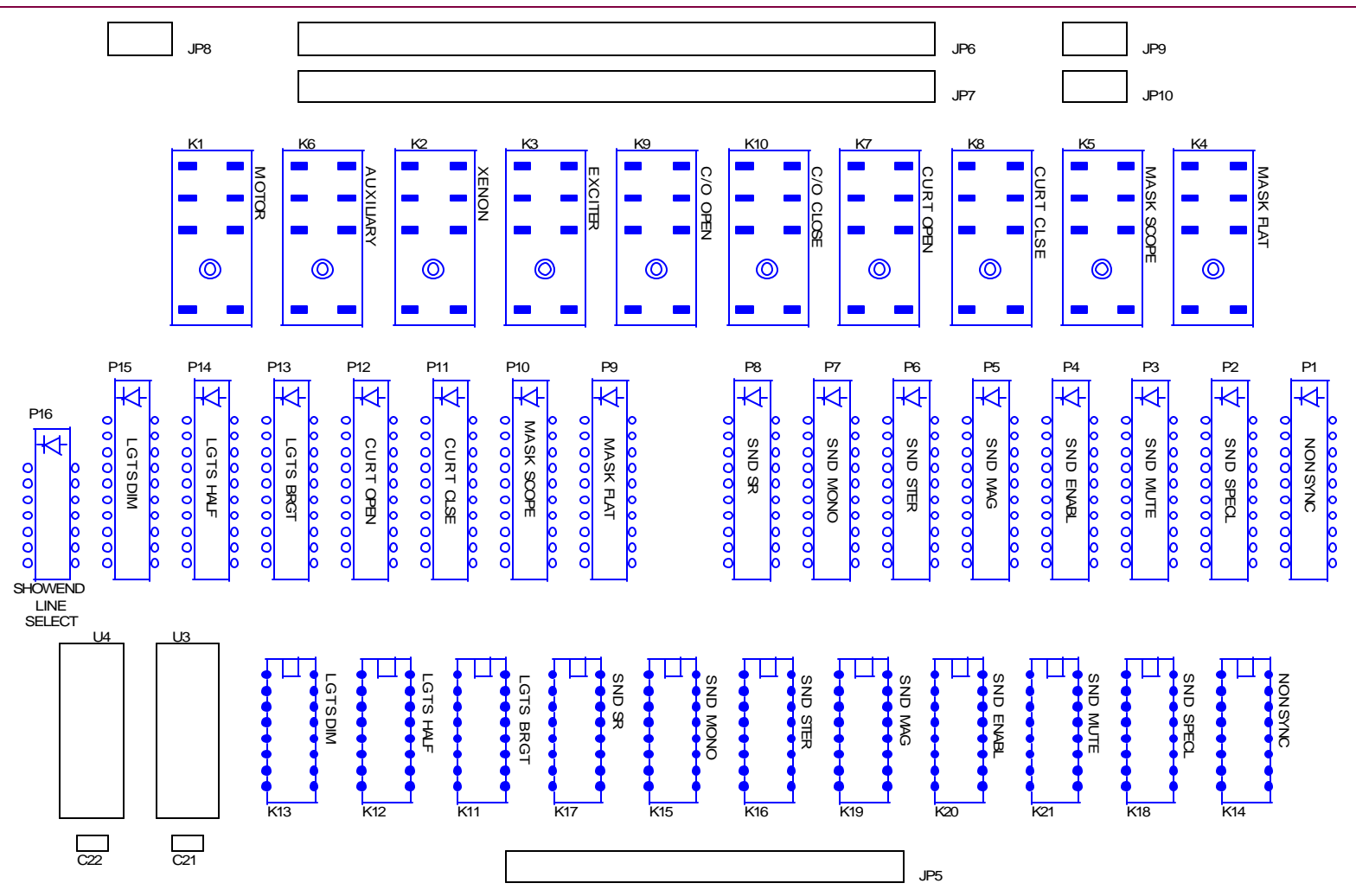
MATRIX SOCKETS ARE LABELED ACCORDING TO THE FUNCTION RELAY THEY OPERATE. THE RELAYS ARE LABELED IN CORRESPONDENCE WITH THE WALL AND CONSOLE MOUNT OUTPUT DESIGNATION SHEETS PROVIDED.

RELAY FUNCTION INFORMATION IS PROVIDED AS A GUIDE FOR THE INSTALLER AND USER. ANY EXTRA RELAY OUTPUTS MAY BE USED FOR ANY FUNCTION NEEDED BY THE CUSTOMER.

CERTAIN DIP RELAY OUTPUTS ARE TIED TOGETHER AS BLOCKS. THE BLOCK CONNECTION PROTOCOL IS AS FOLLOWS:

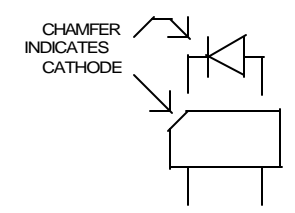
BLOCK-1 = NONSYNC, SOUND SPECIAL, COMMON.
 BLOCK-2 = SOUND MUTE, SOUND ENABLE, COMMON.
 BLOCK-3 = MAGNETIC, STEREO, COMMON.
 BLOCK-4 = MONO, SOUND SR, COMMON.

BIG SKY INDUSTRIES		
259 CENTER ST. PHILLIPSBURG, NJ 08865		
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THE FUNCTION TO MATRIX LINE PROGRAMMING IS ACCOMPLISHED BY MEANS OF DIODE JUMPERS. THE DWG. BELOW ILLUSTRATES THE PROPER DIRECTION FOR THE DIODE BLOCKS TO BE PLUGGED INTO THE MATRIX SOCKETS.

DIODE IDENTIFICATION



PLUG DIODE PLUG INTO SOCKET WITH THE CHAMFERED END FACING THE SAME WAY AS THE CATHODE ON THE DIODE SYMBOL ON TOP OF THE MATRIX SOCKET.