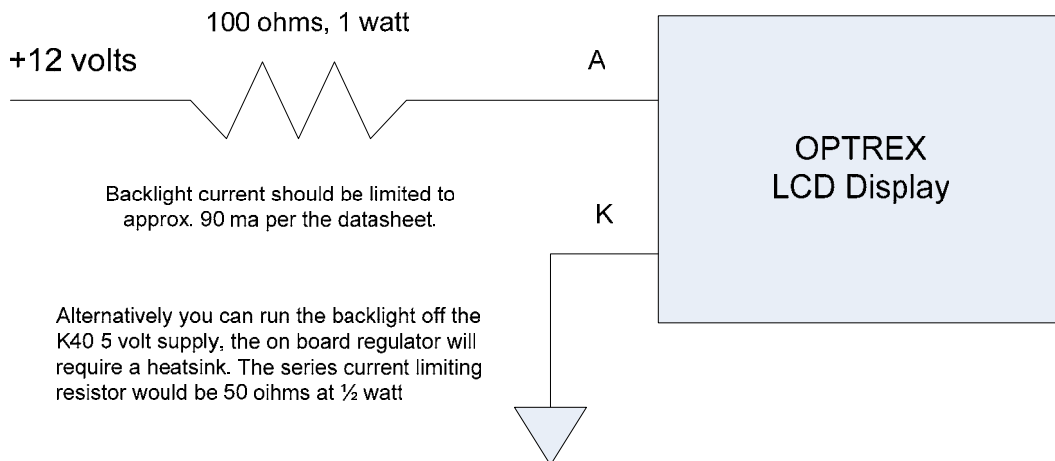


K40 LCD Display Connection Chart

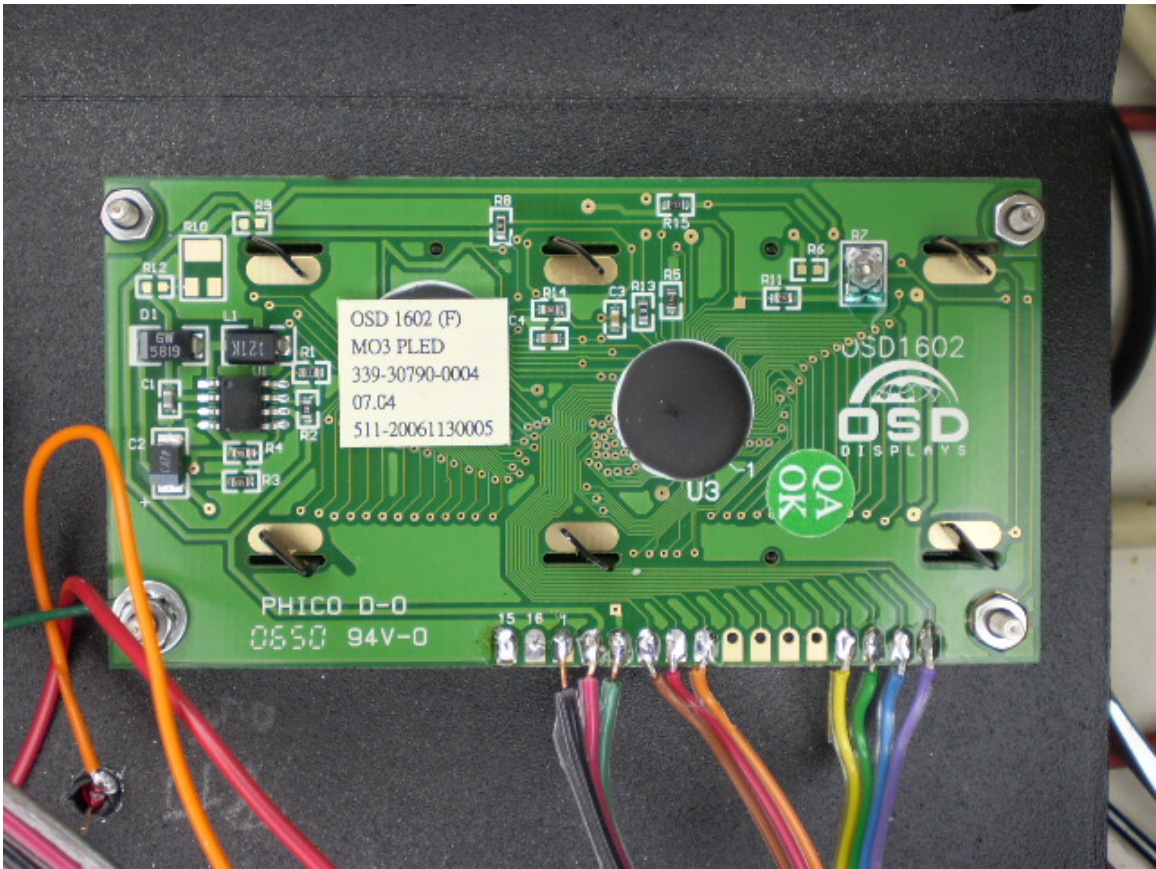
K40 Pad Name	LCD Display Pin	K40 Pad Name	LCD Pin
No Connection	Pin 16 (OSD only)	V	Vcc (+5) – Pin 2
No Connection	Pin 15 (OSD only)	E	Enable – Pin 6
7	Data 7 – Pin 14	W	Write – Pin 5
6	Data 6 – Pin 13	R	Register Select – Pin 4
5	Data 5 – Pin 12	B	LCD Drive(V _{EE}) – Pin 3
4	Data 4 – Pin 11	G	VSS (Ground) – Pin 1

K1EL has shipped two different display types for the K40. The first display is manufactured by Optrex and has 14 data interface connections with two additional pads for backlight. The diagram below illustrates the Optrex LCD display connections.

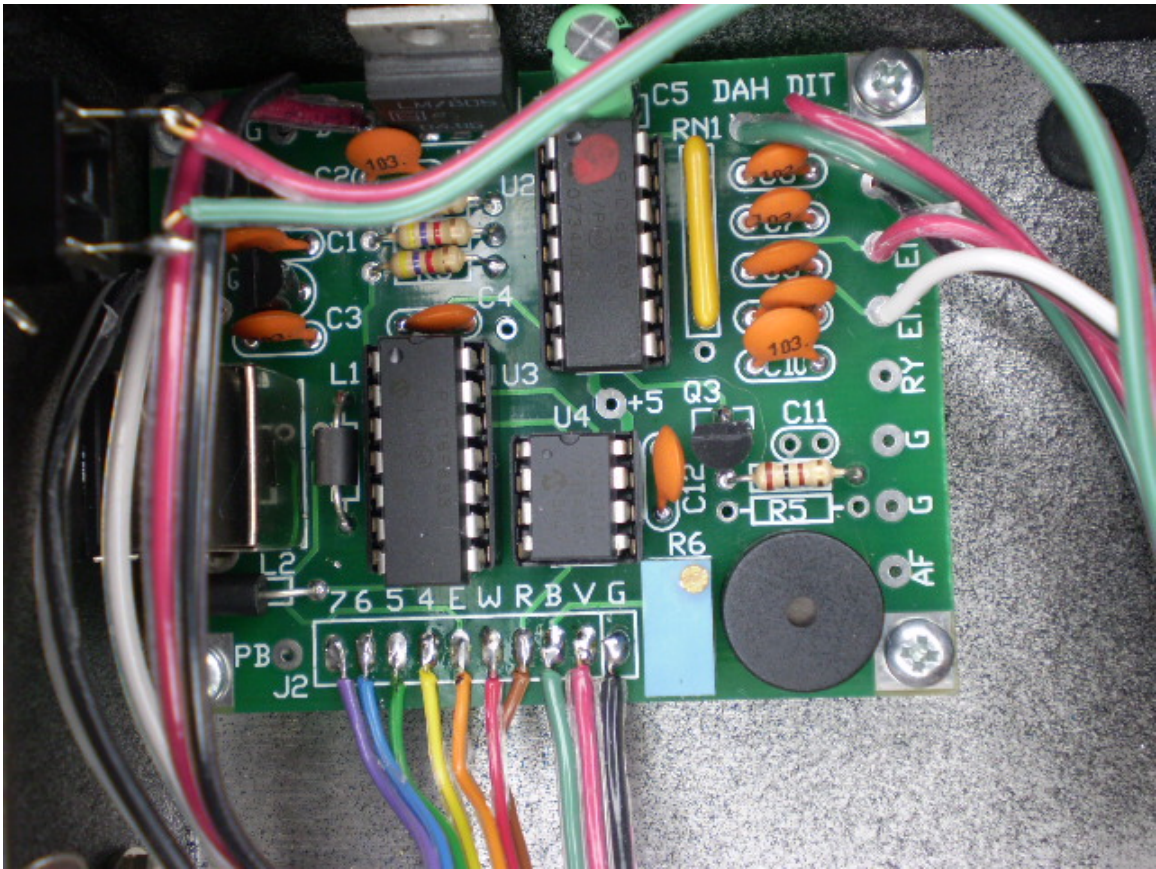
Optrex Backlight Connection



The second LCD type we shipped is manufactured by OSD and has 16 data interface connections. Pins 16 and 15 are not used and are skipped as shown in the picture below. This display has an integral backlight so the backlight circuitry is not required. Both sides of the connections are shown and are color coded.



Connections to back of OSD LCD display



View of LCD connections from OSD display to K40 PCB

Note that the bias voltage on the OSD display runs at a voltage around 4 volts or even higher depending on desired brightness.