

## SD-5 Daughter Card with VP7 Short

SD-5 on left; VP7-Short w/ SD-5 on right



**Complete, turnkey solution to drive Sharp LQ5AW136**

**Complete, turnkey solution to drive Korry KDM-500**

**SD-5 board mates with VP7 Short**

**Analog RGB or DVI video inputs**

**Use VP7configure software to set up for your video inputs**

Combined with the powerful VP7 Short, the SD-5 provides a complete interface to both the Sharp LQ5AW136 and the Korry KDM-500. *Please see separate datasheet for VP7 products.*

The combined VP7 Short with SD-5 specifications are shown below:

<b>Physical Dimensions</b>	VP7-S: 5.25" x 2.5" x 1.1"
<b>Temperature Range</b>	Operating: 0° C to +50° C; Storage: -20° C to +70° C
<b>Video Inputs</b>	Computer - Up to UXGA resolutions @ 60Hz - Analog Input (162 MHz) DVI Input (165 MHz) - Standard and custom input timings are supported - Syncs (Digital Separate, Digital Composite, Analog Composite)
<b>Video Outputs</b>	Analog RGB per display specifications. 320x234 output window selectable from any area-of-interest within video input.  <i>If downsizing, output resolution must exceed 50% each of horizontal and vertical input area-of-interest.</i>
<b>Input Power</b>	12 VDC / 0.7 Amp typical with VGA input, driving LQ5AW136 panel without backlight.  Notes: Inverter needed for LQ5AW136. 28 VDC input needed for KDM 500 backlight. SD-5 provides pass-thru to KDM-500
<b>Control Interface</b>	RS-232
<b>Ordering Number</b>	VP7-S / SD-5

Connector Types and function are listed below:

Connector	Located On	Type / Used for
J1	SD-5	22 Pin Hirose HFH22T / Connection to Sharp LQ5AW136
J2	SD-5	32 Pin Hirose DF11 / Connection to KDM-500
J3	SD-5	14 Pin Hirose DF11 / Connection to KDM-500
J7	SD-5	8 Pin Hirose DF11 / LED output drive for status indicator applications
J50	SD-5	14 Pin Hirose DF11 / Connection to KDM-500
J6	SD-5	10 Pin Hirose DF11 / VP7 Short control
J13	SD-5	22 Pin Hirose DF11 / Power and Contrast Input
J17	SD-5	10 Pin Hirose DF11 / Input Analog Video
J25	VP7 Short	12 Pin Hirose DF11 / TMDS input
J34	SD-5	4 Pin Hirose DF11 / EDID connection for Video Source

### Notes:

1. The VP7 Short must be set up for single pixel parallel output via the VP7 Configure Software utility. Please contact the factory for technical support, at 636-300-5103.