

SD-6 Daughter Card with VP7 Short

SD-6 on left; VP7-Short w/ SD-6 on right



Complete, turnkey solution to drive Casio COM50T5123XLC

SD-6 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-6 provides a complete interface to the Casio COM50T5123XLC. *Please see separate datasheet for VP7 products.*

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

Physical Dimensions	VP7-S: 5.25" x 2.5" x 1.1"
Temperature Range	Operating: 0° C to +50° C; Storage: -20° C to +70° C
Video Inputs	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)
Video Outputs	Analog RGB per display specifications. 320x240 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>
Input Power	12 VDC / 0.7 Amp typical with VGA input, driving Casio COM50T5123XLC panel without backlight. Note: 28 VDC input needed for LED backlight.
Control Interface	RS-232
Ordering Number	VP7-S / SD-6

Connector Types and function are listed below:

Connector	Located On	Type / Used for
J1	SD-6	22 Pin Hirose HFH22T / Connection to Casio COM50T5123XLC
J7	SD-6	8 Pin Hirose DF11 / LED output drive for status indicator applications
J6	SD-6	10 Pin Hirose DF11 / VP7 Short control (RS-232)
J13	SD-6	22 Pin Hirose DF11 / Power and Contrast Input
J17	SD-6	10 Pin Hirose DF11 / Input Analog Video
J25	VP7 Short	12 Pin Hirose DF11 / TMDS input
J34,J35	SD-6	4 Pin Hirose DF11 / EDID connection for Video Source
J47	SD-6	12 Pin Hirose DF11 / LED Backlight Power In and Display Control

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.
2. Supports driving Casio COM50T5123XLC with "mode" pin set to either VSS or VDD. User must provide control for "smart interface" DI, CS, and SCK signals separately.