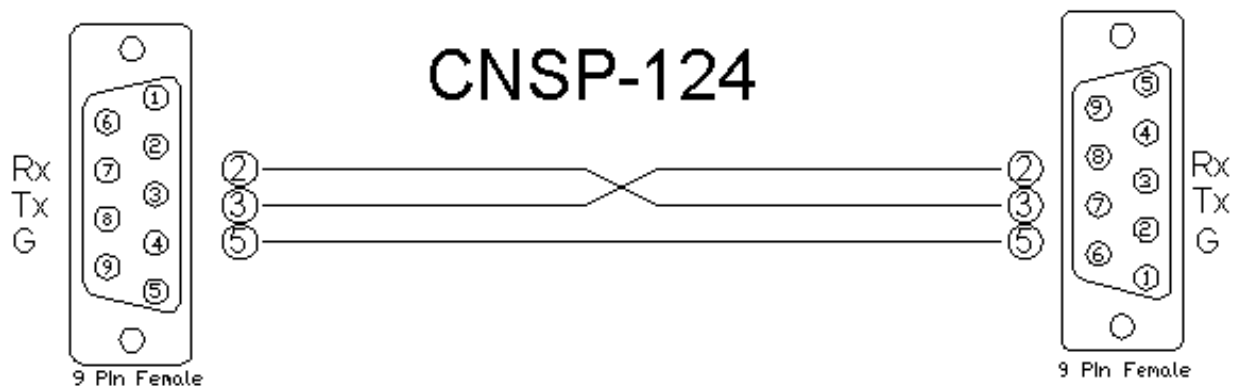


**Partner: Sharp**  
**Model: LC-80LE657U**  
**Device Type: LCD Display**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Sharp LC-80LE657U v1.0
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module provides control and feedback for the Sharp LC-80LE657U.
<b>GENERAL NOTES:</b>	<p>This module provides control of the Sharp LC-80LE657U LCD Display. It also provides true feedback. It was developed and tested with the Sharp LC-80LE657U. It should also control the following models (other model series listed inside module)</p> <p>LC-90LE657U          LC-80LE657U          LC-70LE657U          LC-60LE657U</p> <p>Note: Not all functions are available on all models.</p> <p>This module is System Builder Compatible.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	2-Series Processor, 3-Series Processor, C2COM3
<b>SETUP OF CRESTRON HARDWARE:</b>	<p>RS232</p> <p>Baud:9600</p> <p>Parity: None</p> <p>Data Bits: 8</p> <p>Stop Bits: 1</p>
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	N/A
<b>CABLE DIAGRAM:</b>	CNSP-124



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**CONTROL:**

<b>Power_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn the display on and off.
<b>Input_*</b>	D	Pulse to select the desired input.
<b>AV_Mode_*</b>	D	Pulse to select the desired av mode.
<b>Aspect_*</b>	D	Pulse to select the desired aspect ratio.
<b>Effect_3D_*</b>	D	Pulse to select the desired 3D effect.
<b>Volume_Mute_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn the volume mute on and off.
<b>Volume_&lt;Up/Down&gt;</b>	D	Press and hold to adjust the volume level.
<b>Air</b>	D	Pulse to set the TV to the analog antenna.
<b>Cable</b>	D	Pulse to set the TV to cable.
<b>Digital_Tuning_Toggle</b>	D	Pulse to toggle digital tuning On and Off.
<b>Keypad_&lt;1..0/Dot&gt;</b>	D	Pulse to enter the desired TV channel number. The entered number will not be sent until the Keypad_Enter is pulsed.
<b>Keypad_Clear</b>	D	Pulse to clear the channel number entered using the Keypad_<1...0/Dot> inputs.
<b>Keypad_Enter</b>	D	Pulse to send the channel number entered using the Keypad_<1...0.Dot> inputs.
<b>Channel_&lt;Up/Down&gt;</b>	D	Pulse to change the channel.
<b>Audio_Mode</b>	D	Pulse to cycle through the audio modes.
<b>Surrond_Mode</b>	D	Pulse to cycle through the surround modes.
<b>Closed_Caption</b>	D	Pulse to cycle through the closed caption settings.
<b>From_Device</b>	S	Serial signal to be routed from a 2-way serial com port.

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**FEEDBACK:**

<b>Power_Is_&lt;On/Off&gt;</b>	D	High to indicate the current power state.
<b>Input_Is_*</b>	D	High to indicate the currently selected input.
<b>AV_Mode_Is_*</b>	D	High to indicate the currently selected av mode.
<b>Aspect_Is_*</b>	D	High to indicate the currently selected aspect ratio.
<b>Effect_3D_Is_*</b>	D	High to indicate the currently selected 3D effect.
<b>Volume_Mute_Is_&lt;on/Off&gt;</b>	D	High to indicate the current volume mute setting.
<b>Volume_Gauge</b>	A	Analog signal indicating the volume level. To be displayed using a gauge on a touch panel.
<b>&lt;Air/Cable&gt;_Selected</b>	D	High to indicate the current TV tuner selection.
<b>Digital_Tuning_Selected</b>	D	High to indicate that digital tuning is On or Off.
<b>Channel_Value</b>	A	Analog signal indicating the channel value. To be displayed using a value on a touch panel.
<b>Channel_Text</b>	S	Serial signal indicating the currently entered channel request to be sent to the display.
<b>Number_Text</b>	S	Serial signal indicating the currently entered number text sent to the display.
<b>To_Device</b>	S	Serial signal to be routed to a 2-way serial com port.

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**Device Type: LCD Display**

**TESTING:**

<b>OPS USED FOR TESTING:</b>	2 Series: v4.007.0004 3 Series: v1.008.0040
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.02.20.00
<b>DEVICE DB USED FOR TESTING:</b>	52.00.007.00
<b>CRES DB USED FOR TESTING:</b>	42.00.004.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	508
<b>SAMPLE PROGRAM:</b>	Sharp LC-80LE657U v1.0 PRO2 Demo Sharp LC-80LE657U v1.0 CP3 Demo
<b>REVISION HISTORY:</b>	v1.0 – Initial Release