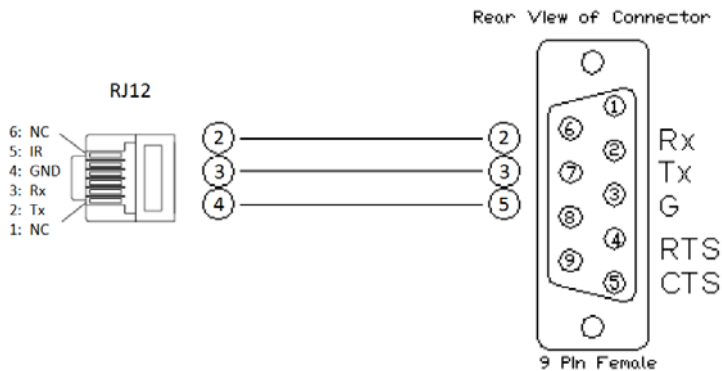


Partner: Samsung  
 Model: HG46EA590LS + HG32EA475RW  
 Device Type: LED Display



**GENERAL INFORMATION:**

<b>SIMPLWINDOWS NAME:</b>	Samsung HG46EA590LS + HG32EA475RW v1.0.umc
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	V1.0
<b>SUMMARY:</b>	This module will control the following functions of the Samsung HG46EA590LS & HG32EA475RW LED displays: Power, Source select, Aspect ratio, Audio Mute & volume.
<b>GENERAL NOTES:</b>	This module will control the following functions of the Samsung HG46EA590LS & HG32EA475RW LED displays: Power, Source select, Aspect ratio, Audio Mute & volume.  When the Poll_Enable input is asserted, the LED Display will be polled every "PollTime" to determine the state of the power, Epg, MHEG, Teletext, Subtitle and OSD.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2-COM, ST-Com, CNMSX Internal Com Ports
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	NONE
<b>CABLE DIAGRAM:</b>	CNSP-532



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**CONTROL:**

<b>Poll_Enable</b>	D	High to poll every "PollTime" for power status, Source select, Aspect ratio, Audio Mute & volume settings.
<b>Power_&lt;On/Off/Toggle&gt;</b>	D	Pulse to change device's power state.
<b>Volume_&lt;Up/Down&gt;</b>	D	Pulse to increase/decrease device's volume level.
<b>Toggle_Mute</b>	D	Pulse to toggle the mute status.
<b>Channel_KP_&lt;0-9&gt;</b>	D	Pulse to select digit *. Digits from 0 to 9.
<b>Channel_&lt;Up/Down&gt;</b>	D	Pulse to increase/decrease channel.
<b>&lt;Up/Down/Left/Right&gt;</b>	D	Pulse to navigate through menu or OSD
<b>Enter</b>	D	Pulse to select in menu or OSD.
<b>Exit</b>	D	Pulse to exit the menu or OSD.
<b>Guide</b>	D	Pulse to select the guide.
<b>Information</b>	D	Pulse to select the information.
<b>_3D</b>	D	Pulse to control the 3D functionality.
<b>Toggle_Source</b>	D	Pulse to toggle the source.
<b>Select_TV_Input</b>	D	Pulse to select the TV Input.
<b>Input_*</b>	D	Pulse to select the desired input.
<b>Teletext_&lt;On/Off&gt;</b>	D	Pulse to activate/deactivate Teletext.
<b>Sleep Mode</b>	D	Pulse to select sleep mode.
<b>Picture Size</b>	D	Pulse to select the picture size.
<b>Red</b>	D	Pulse to select red function.
<b>Green</b>	D	Pulse to select green function.
<b>Yellow</b>	D	Pulse to select yellow function.
<b>Blue</b>	D	Pulse to select blue function.

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Volume_In	A	Send analog value for preset volume levels. Normal TV Volume OSD will not be displayed.
FromDevice	S	Serial data signal to be routed to a 2 way com port.

### FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the power status.
Channel_KP_Is_<0-9>	D	High to indicate that Channel <0-9> is selected.
Button_Is_Active	D	High to indicate that Channel 0 is selected.
Input_Is_*	D	High to indicate the current input.
Teletext_Is_<On/Off>	D	High to indicate that Teletext is active/inactive.
OSD_Is_Selected	D	High to indicate that the OSD is selected.
Epg_Is_On	D	High to indicate that the Epg is On.
MHEG_Is_On	D	High to indicate that the MHEG is On.
Subtitle_Is_On	D	High to indicate that the subtitles are on.
Channel_Number_Analog	A	Analog value indicating the selected channel.
ToDevice	S	Serial data signal to be routed to a 2 way com port.

### PARAMETERS:

PollTime	Dec	Decimal value between 0 and 4 that indicates the number of seconds that indicates the poll time of the poll. 0 means TIME OFF, 1 means 1 second, 2 means 2 seconds, 3 means 5 seconds, 4 means 10 seconds.
AutoStatus	Dec	"1" to activate the AutoStatus, "0" to deactivate the AutoStatus.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	PRO2 4.007.0004 MC3 1.005.0007
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.01.10
<b>CRESTRON DB USED FOR TESTING:</b>	35.00.004.00
<b>DEVICE DB USED FOR TESTING:</b>	46.00.002.00
<b>SAMPLE PROGRAM:</b>	"Samsung HG46EA590LS + HG32EA475RW v1.0 PRO2 Demo" "Samsung HG46EA590LS + HG32EA475RW v1.0 MC3 Demo"
<b>REVISION HISTORY:</b>	V. 1.0