Partner: Hitachi
Model: UT Series LCD
Device Type: LCD Display
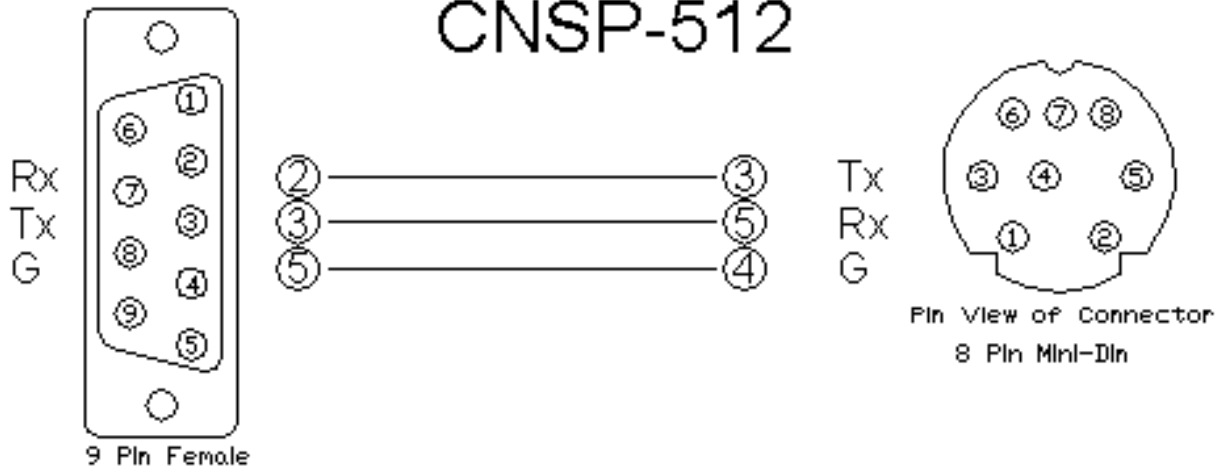
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Hitachi UT Series LCD v1.0
CATEGORY:	Monitor
VERSION:	1.0
SUMMARY:	This module will control the Hitachi UT Series LCD displays.
GENERAL NOTES:	This module will control power, input source, aspect ratio, audio mute and volume for the Hitachi UT Series (UT32X802, UT37X902, UT47X902, UT32V502, UT32V502W, UT37V702, UT42V702 & UT47V702). Please note that the "Start_Communications" feature must be enabled to establish RS232 communications to the plasma. When this feature is enabled, IR remote input and direct input from the plasma will not function. This module is for 2-series processors only.
CRESTRON HARDWARE REQUIRED:	ST-COM, C2I-COM6, C2COM-2/3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 7 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A
CABLE DIAGRAM:	CNSP-512

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Rear View of Connector

CNSP-512

Rx
Tx
G

9 Pin Female

Tx
Rx
G

Pin View of Connector
8 Pin Mini-Din

CONTROL:		
Power_*	D	Pulse to change device's current power state
Input_*	D	Pulse to select device's current input source
Wide_Mode_*	D	Pulse to select the desired wide mode.
Video_Mode_*	D	Pulse to select the desired video mode.
Volume_Up/Down	D	Press and hold to adjust the volume level.
Volume_Mute_On/Off/Toggle	D	Pulse to turn the volume mute on and off.
Volume_Balance_Left/Right	D	Press and hold to adjust the volume balance left and right.
Bass_Up/Down	D	Press and hold to adjust the bass level.
Treble_Up/Down	D	Press and hold to adjust the treble level.
Brightness_Up/Down	D	Press and hold to adjust the brightness level.
Black_Enhancement_Up/Down	D	Press and hold to adjust the black enhancement level.
Color_Density_Up/Down	D	Press and hold to adjust the color density level.
Tint_Up/Down	D	Press and hold to adjust the tint level.

Picture_Quality_Up/Down	D	Press and hold to adjust the picture quality level.
Back_Light_Up/Down	D	Press and hold to adjust the back light level.
Color_Temperature_*	D	Pulse to select the desired color temperature.
Poll_Enable	D	Set high to enable polling for power.
Start_Communications	D	Pulse to enable RS232 communications.
From_Device	S	Serial data signal coming from a 2-way RS232 port.

PARAMETERS:

Poll Time	P	Select the desired poll frequency.

FEEDBACK:

Power_is_*	D	High to indicating the current power state.
Input_is_*	D	High to indicate the currently selected input.
Wide_Mode_is_*	D	High to indicate the currently selected wide mode.
Video_Mode_is_*	D	High to indicate the currently selected video mode.
Volume_Bar	A	Analog value indicating the current volume level.
Volume_Mute_is_*	D	High to indicate the current volume mute state.
Volume_Balance_Bar	A	Analog value indicating the current balance setting. 0 is full left, 65535 is full right.
Bass_Bar	A	Analog value indicating the current bass level.
Treble_Bar	A	Analog value indicating the current treble level.
Brightness_Bar	A	Analog value indicating the current brightness level.
Black_Enhancement_Bar	A	Analog value indicating the current black enhancement level.
Color_Density_Bar	A	Analog value indicating the current color density level.

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15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com

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Tint_Bar	A	Analog value indicating the current tint level.
Picture_Quality_Bar	A	Analog value indicating the current picture quality level.
Back_Light_Bar	A	Analog value indicating the current back light level.
Color_Temperature_is_*	D	High to indicate the currently selected color temperature.
To_Device	S	Serial data signal to be sent to a 2-way RS232 port.

TESTING:

OPS USED FOR TESTING:	4.000.0226
SIMPL WINDOWS USED FOR TESTING:	2.10.25
CRES DB USED FOR TESTING:	19.06.010
SYMBOL LIBRARY USED FOR TESTING:	557
SAMPLE PROGRAM:	Hitachi UT Series LCD Demo
REVISION HISTORY:	V. 1.0