

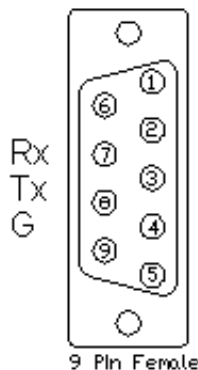
Partner: Sharp
 Model: PN-E421
 Device Type: Video and Data Monitor



GENERAL INFORMATION

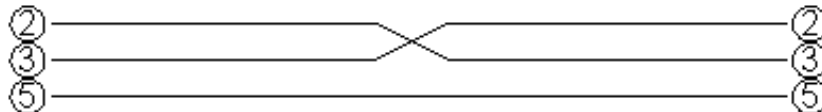
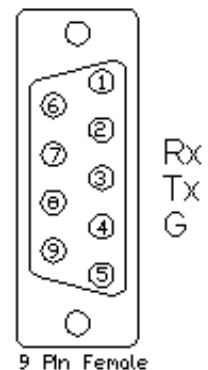
SIMPLWINDOWS NAME:	Sharp PN-E421 v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module controls power, input selection, color mode, aspect, pip functions, volume and mute functions.
GENERAL NOTES:	Typically, you could enable the polling option when the display's particular control page is active and displayed on a touch panel. You would then disable polling at other times. Tested with the PN-E421, should work with the PN-E521, PN-E601 and PN-E471. NOTE: This module depends on responses from the device. Do not comment out the From_Device signal name. This module is SystemBuilder compatible.
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-* or CNX-COM2
SETUP OF CRESTRON HARDWARE:	RS232 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	ID No. should be set to 0.
CABLE DIAGRAM:	CNSP-124

Rear View of Connector



CNSP-124

Rear View of Connector



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CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the display on or off.
Input_*	D	Pulse to select input source.
Color_Mode_*	D	Pulse to select color mode.
Screen_Size_*	D	Pulse to select screen size.
PIP_Mode_*	D	Pulse to set PIP mode or to turn off.
PIP_Input_*	D	Pulse to set PIP input.
PIP_Sound_<Main/Sub>	D	Pulse to set PIP audio source to main or sub windows.
PIP_Position<1/2>	D	Pulse to set PIP position to 1 or 2.
PbyP_Position<1/2/3>	D	Pulse to set Picture by Picture position to 1, 2 or 3.
PIP_Size_<Up/Down>	D	Press to set PIP window size.
PIP_Position_H_<Up/Down>	D	Press to change PIP window horizontal position.
PIP_Position_V_<Up/Down>	D	Press to change PIP window vertical position.
PIP_Blend_<Up/Down>	D	Press to adjust PIP tranlucence.
DVI_Select_<PC/AV>	D	Pulse to set DVI input mode to PC or AV.
BNC_Select_<RGB/Component>	D	Pulse to set BNC input mode to RGB or Component.
HDMI_Select_<PC/AV>	D	Pulse to set HDMI input mode to PC or AV.
Volume_<Up/Down>	D	Press to adjust the volume.
Volume_Mute_<On/Off/Toggle>	D	Pulse to turn volume mute on or off.
Auto	D	Pulse to activate auto PC function.
Poll_Enable	D	Latch high to enable auto polling.
From_Device	S	Serial data signal to be routed from a 2 way com port.

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FEEDBACK:

Power_Is_<On/Off>	D	Latches high to indicate current power status.
Input_Is_*	D	Latches high to indicate current input source
Color_Mode_Is_*	D	Latches high to indicate correct color mode setting.
Screen_Size_Is_*	D	Latches high to indicate current screen size.
PIP_Mode_Is_*	D	Latches high to indicate current PIP mode status.
PIP_Input_Is_*	D	Latches high to indicate current PIP input status.
PIP_Sound_Is_<Main/Sub>	D	Latches high to indicate current audio source during PIP activity.
PIP_Position<1/2>_Is_Selected	D	Latches high to indicate PIP position.
PbyP_Position<1/2/3>_Is_Selected	D	Indicates Picture by Picture position.
PIP_Size_Level	A	Indicates current PIP size.
PIP_Position_H_Level	A	Indicates current PIP horizontal position.
PIP_Position_V_Level	A	Indicates current PIP vertical position.
PIP_Blend_Level	A	Indicates current PIP translucence.
DVI_Select_Is_<PC/AV>	D	Latches high to indicate the current DVI input mode.
BNC_Select_Is_<RGB/Component>	D	Latches high to indicate the current BNC input mode.
HDMI_Select_Is_<PC/AV>	D	Latches high to indicate the current HDMI input mode.
Volume_Level	A	Indicates current volume level for digital gauge definition on touchpanel.
Volume_Gauge	A	Indicates current volume level for a gauge definition on touchpanel.
Volume_Mute_Is_<On/Off>	D	Latches high to indicate current audio mute status.
To_Device	S	Serial data signal to be routed to a 2 way com port.

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**TESTING:**

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	2.12.44
DEVICE DB USED FOR TESTING:	31.05.005.00
CRES DB USED FOR TESTING:	23.05.010.01
SYMBOL LIBRARY USED FOR TESTING:	690
SAMPLE PROGRAM:	Sharp LN-E421 v1.0 Demo PRO2
REVISION HISTORY:	v1.0 – Initial Release