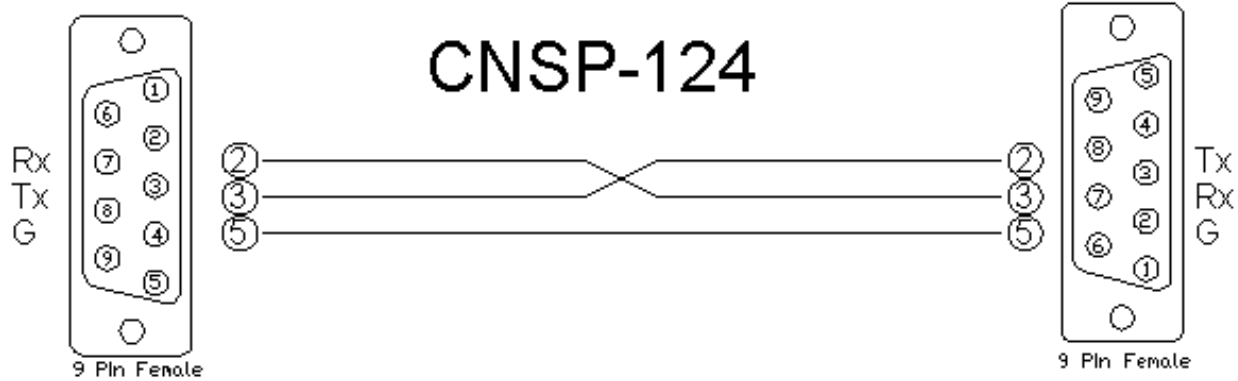


Partner: Samsung
Model: PPM63M7F
Device Type: Plasma Display


GENERAL INFORMATION

SIMPLWINDOWS NAME:	Samsung PPM63M7
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control the following functions of the Samsung PPM63M7F Plasma display monitor: Power, Source Select, PIP On/Off/Position, Aspect Ratio, Audio Mute, RGB Auto Setup, Brightness, Contrast, Color, Tint, Sharpness and Volume.
GENERAL NOTES:	<p>This module will control the following functions of the Samsung PPM63M7F Plasma display monitor: Power, Source Select, PIP On/Off/Position, Aspect Ratio, Audio Mute, RGB Auto setup, Brightness, Contrast, Color, Tint, Sharpness and Volume. When a command is sent to the display, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module.</p> <p>When the Poll_Enable input is asserted, the display will be polled every 15 seconds to determine the state of power. If it is desired to poll the display for any setting changes made using the IR remote control, or by the controls on the display itself, you can assert the Poll_Settings input. When this input is high, the display will be polled every 45 seconds to determine the state of input source, picture mute, aspect ratio, PIP, brightness, contrast, sharpness, color, tint and volume. Typically, you could enable either 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.</p> <p>Device ID must be selected from the drop down list. The value will fill when an address is selected. The value may not be the same as the address since the values are hex and the addresses are decimal. Also, address 00 will have a value of FF as per Samsung's protocol. To control all plasmas connected in a daisy chain, use the "All ID's" entry, however, it will not provide feedback.</p>
CRESTRON HARDWARE REQUIRED:	X-Series Processor, CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-124

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CONTROL:

Power_*	D	Pulse to change device's power state
Input_*	D	Pulse to change device's input source
Aspect_*	D	Pulse to select desired aspect ratio
Auto_Adjust	D	Pulse to enable auto picture adjust for RGB inputs
*_Up/Down	D	Assert to increase/decrease device's current picture/volume level
Audio_Mute_On/Off	D	Pulse to enable/disable audio mute
PIP_*	D	Pulse to enable/disable picture in picture
PIP_Position_*	D	Pulse to move the PIP window to the desired position
Poll_Enable	D	When high, device is polled every 15 seconds for power status
Poll_Settings	D	When high, device is polled every 45 seconds for general/picture settings
From_Device\$	S	Serial signal from a 2-way com port

PARAMETERS:

ADDRESS	P	Device ID. Select from the dropdown list. All ID's will control all displays connected in a daisy chain, however it will not provide feedback.
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**FEEDBACK:**

Power_On_Fb	D	True feedback indicating device's current power state is on.
Power_Off_Fb	D	True feedback indicating device's current power state is off.
Input_*_Fb	D	True feedback indicating device's current input source
Aspect_*_Fb	D	True feedback indicating device's current picture aspect ratio
*_Bar	A	Analog value of device's current picture/volume level to be sent to a bar graph
Audio_Mute_On/Off_Fb	D	True feedback indicating device's current audio mute state
PIP_On/Off_Fb	D	True feedback indicating device's current picture-in-picture state
PIP_Position_*_Fb	D	True feedback indicating device's current picture-in-picture position
To_Device\$	S	Serial signal to be sent to a 2-way Com Port.

TESTING:

OPS USED FOR TESTING:	3.155.1240
SIMPL WINDOWS USED FOR TESTING:	2.08.44
CRES DB USED FOR TESTING:	18.9.1
SYMBOL LIBRARY USED FOR TESTING:	508
SAMPLE PROGRAM:	Samsung PPM63M7F v1.0 Demo
REVISION HISTORY:	v1.0