Mounting Template

Host and Applicator Connections

- Remote Display (Optional)
- Serial Port A
- USB Port
- Ethernet Port
- Parallel Port
- USB Host (Optional)
- Serial Port C
- Serial Port D
- GPIO Port B
- GPIO Port A
- SDIO Host (Optional)

Applicator Interface Card Jumper and Connector Details

Loading

Left Hand Models	Right Hand Models

Direct Thermal Media

Thermal Transfer Media with CSI Ribbon

Thermal Transfer Media with CSO Ribbon

☑ **Note:** *Depending upon the model, features, options and configuration, this information will vary; consult the* Operator's Manual *for detailed instructions.*

			GPI/O Port A Overview						GPI/O Port B Overview		
Pin	Signal	Signal Direction[1]	Jumper	Position	Function / Description	Pin	Signal & Direction [1]	Jumper	Position	Function / Description
1	Ground	N/A	JMP 8	Installed	Printer chassis is used.	1	+5 VDC	JMP 11	Installed	Printer voltage used (.5 amp max)[4]
				Removed	Ground externally supplied.				Removed	+5VDC externally supplied.
2	+5 VDC		JMP 9	Installed	Printer voltage used (.5 amp max)[4]	2	Input 6	N/A	N/A	Programmed function.
						3	Input 3	N/A	N/A	Programmed function.
				Removed	+5VDC externally supplied.	4	Output 6	JMP 7	Installed: Pins 1-2	Programmed function pulled-up to +5VDC.
3	Start Of Print [2]	Input	N/A	N/A	SOP signal; programmable [3]				Installed: Pins 2-3	Programmed function pulled-up to +24VDC.
									Removed	External source and pull-ups, not to exceed 30VDC.
4	Slew Label				Advances media until HIGH and then, if not Continuous, positions at TOF.	5	Output 3	JMP 4	Installed: Pins 1-2	Programmed function pulled-up to +5VDC.
5	Toggle / Pause				Pauses the printer when LOW.				Installed: Pins 2-3	Programmed function pulled-up to +24VDC.
									Removed	External source and pull-ups, not to exceed +30VDC.
6	Reprint				Reprints the last label; and, if always LOW, results in non-stop printing.	6	Ground	JMP 10	Installed	Printer chassis is used.
									Removed	Ground externally supplied.
7	+24 VDC	N/A			Printer +24 VDC (1.5 amp maximum)	7	Input 5	N/A	N/A	Programmed function.
8	Ground				Printer chassis.	8	Input 2	N/A	N/A	Programmed function.
9	Ribbon Low	Output	JMP 1	When inactive, outputs pulled up to a voltage determined by jumper settings, where: ▪ Pins 1-2 = +5VDC; ▪ Pins 2-3 = 24VDC; or, ▪ None = Common external voltage (not to exceed +30VDC) via external pull-ups (providing a 20K ohm feedback thru any two outputs).	Programmable [1]; warning LOW DIAMETER condition.	9	Output 5	JMP 6	Installed: Pins 1-2	Programmed function pulled-up to +5VDC.
									Installed: Pins 2-3	Programmed function pulled-up to +24VDC.
10	Service Required				Evoked upon Fault [1]; Active LOW.				Removed	External source and pull-ups, not to exceed +30VDC.
11	End Of Print				Programmable [1]; EOP process end.	10	Output 2	JMP 3	Installed: Pins 1-2	Programmed function pulled-up to +5VDC.
									Installed: Pins 2-3	Programmed function pulled-up to +24VDC.
12	Media Out				Evoked when Out of Stock; active LOW.				Removed	External source and pull-ups, not to exceed +30VDC.
						11	+24 VDC	N/A	N/A	Printer +24 VDC (1.5 amp max).
13	Ribbon Out				Evoked when Out of Ribbon; active LOW.	12	Input 4	N/A	N/A	Programmed function.
						13	Input 1	N/A	N/A	Programmed function.
14	Data Ready				Evoked if a label awaits; after the SOP, printing begins. Active LOW.	14	Output 4	JMP 5	Installed: Pins 1-2	Programmed function pulled-up to +5VDC.
									Installed: Pins 2-3	Programmed function pulled-up to +24VDC.
									Removed	External source and pull-ups, not to exceed +30VDC.
15	Option Fault				Evoked during a Linear Scanner or RFID fault; active LOW.	15	Output 1	JMP 2	Installed: Pins 1-2	Programmed function pulled-up to +5VDC.
									Installed: Pins 2-3	Programmed function pulled-up to +24VDC.
									Removed	External source and pull-ups, not to exceed +30VDC.

[1] Signal directions given relative to the printer.

[2] If active with no current print job, "WAITING FOR DATA" will be displayed. Specifying a quantity of 9999 while keeping this signal ON will cause non-stop label printing, except in single label "Imaging Mode" which will cause the printer to stop between labels.

[3] See *PRINTER OPTIONS / GPIO PORT.*

[4] Drawing more than 0.5 amps can cause unreliable printer operation.

⚠ **WARNING:** Failure to properly configure the GPIO Port jumper settings may result in damage to the printer and / or applicator.