



Transition Tool for XBTGT7340

Product Comparison	Obsolete Catalog Number XBTGT7340	Replacement Catalog Number HMIDT732 + HMIG3U/HMIG5U
Product photo		
Transition comments	<p>Recommended replacement options</p> <ul style="list-style-type: none"> - HMIDT732 + HMIG3U - HMIDT732 + HMIG5U 	<ul style="list-style-type: none"> + Vijeo Designer applications are compatible + Panel cut-out is identical + Same certifications + More application memory + Two Ethernet ports, higher speed + Additional mini-USB ports and USB host ports + Better screen (more colors) + SD Card slot <ul style="list-style-type: none"> - COM1 & COM2 functionality are swapped - Expansion for Fieldbus modules coming soon (Vijeo XD) - Some auxiliary I/O functions - No support for SoMachine functions - No analog video input, can use USB or Ethernet camera with HMIG5U
Link to catalog		Magelis GTU Catalog
Link to user manual	Magelis XBTGT Hardware Guide	Magelis GTU User Manual
Commercial		
Commercial Status	Commercialized until September 30, 2017	Commercialized
Range of product	Magelis XBTGT	Magelis GTU
Warranty period	18 months	18 months
Country of origin	CN	CN
Display		
Display type	Backlit color TFT LCD	Backlit color TFT LCD
Display color	65536 colors	16 million colors
Display resolution	1024 x 768 pixels XGA	1024 x 768 pixels XGA
Display size	15 inch	15"
Effective display area	W12.06 x H9.06 in (W306.2 x H230.1 mm)	W11.97 x H8.98 in (W304.1 x H228.1 mm)
Backlight type	White LED	White LED
Backlight lifespan	50000 hours at 77 °F (25 °C) before backlight decreases to 50%	50000 hours (white) at 77 °F (25 °C) before backlight decreases to 50%
Brightness	16 levels via touch panel	100 levels - control by sensor, software or touch panel
Contrast	n/a	n/a
Touch panel	Analog resistive film, 1000000 cycles	Analog resistive film, 1000000 cycles
Touch sensitive zone	1024 x 1024	1024 x 1024
Hardware		
Processor type	RISC CPU	RISC CPU
Processor frequency	266 MHz	600 MHz
Application memory	32 MB flash EPROM	SD Card 1 GB
Memory for data back up	512 kB internal RAM (SRAM) battery backed	512 kB internal NVRAM
Battery type	Lithium battery for internal RAM	Supercapacitor (optional Lithium battery) for internal RAM
Realtime clock	Built-in	Built-in
Memory slot type	1 slot for Compact Flash card (128 MB to 1 GB)	1 slot for SD/SDHC card

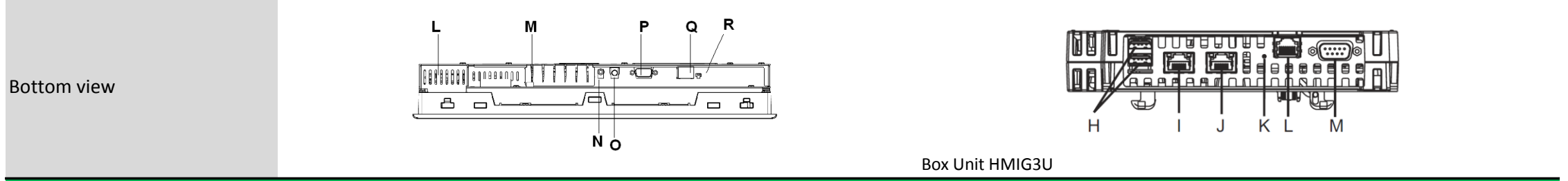
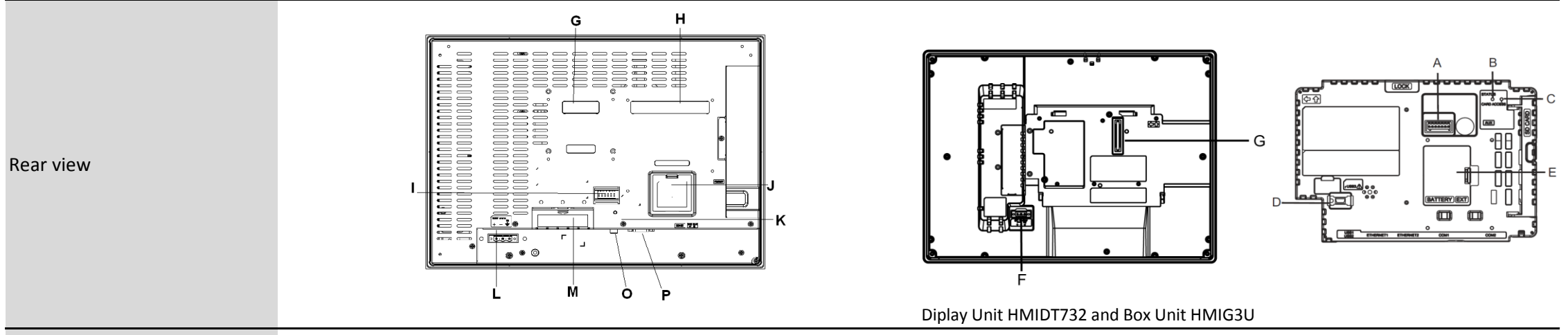
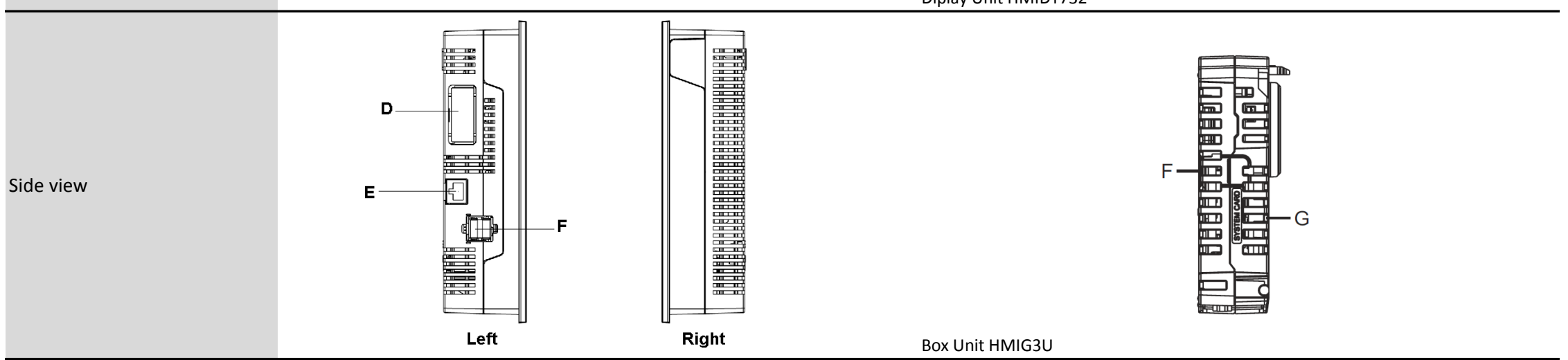
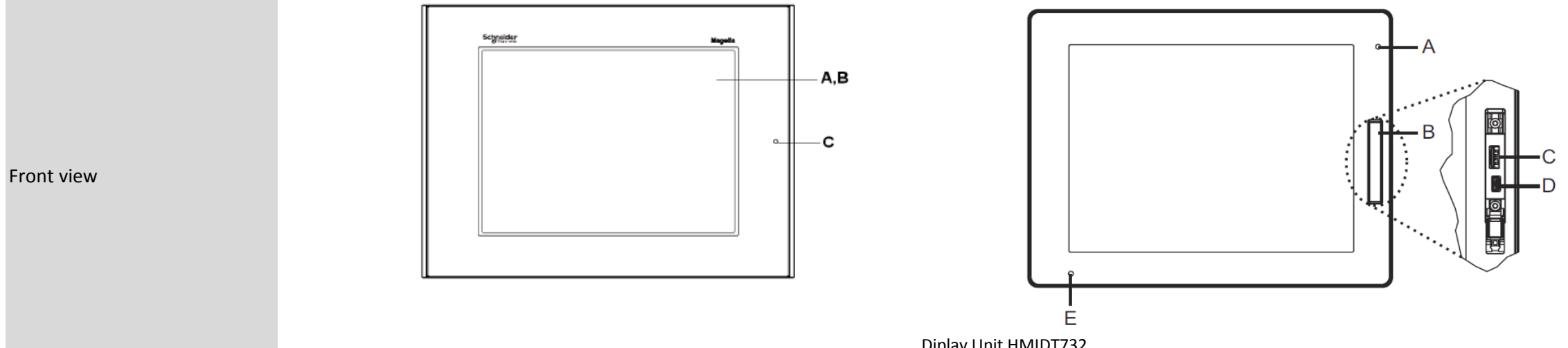
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Software		
Software type	Configuration software	Configuration software
Software compatibility	Vijeo Designer >= v4.3	Vijeo Designer >= v6.2 SP1
Operating system	Magelis	Magelis
Number of pages	Limited by internal memory capacity	Limited by SD Card memory capacity
Variables per page	Unlimited (8000 variables max.)	Unlimited (8000 variables max.)
Connectivity		
USB type A	2x USB type A master port (V1.1)	3x USB 2.0 port USB type A (2x rear box and 1x front panel)
USB type B mini	n/a	2x USB 2.0 port mini B USB (1x rear box and 1x front panel)
COM ports	COM1 serial link male SUB-D 9 RS232C/RS422/RS485 <= 115.2 kbits/s	COM2 serial link male SUB-D 9 RS232C/RS422/RS485 <= 115.2 kbits/s (187.5 kbps, compatible with Siemens MPI)
	COM2 serial link RJ45, interface: RS485, transmission rate: 2400...115200 bps (187.5 kbps, compatible with Siemens MPI)	COM1 serial link RJ45, interface: isolated RS485, transmission rate: 2400...115200 bps (187.5 kbps, compatible with Siemens MPI)
Ethernet	10BASE-T/100BASE-TX	10BASE-T/100BASE-TX/1000BASE-T
Fieldbus slot	Slot for 1 fieldbus communication card (Device Net, Profibus DP)	Slot for 1 fieldbus communication card (Target availability mid 2015)
Digital input	1 input (EXT RESET), removable screw terminal block	n/a
Digital output	3 outputs (RUN, ALARM, BUZZER), removable screw terminal block	1 output (ALARM/BUZZER), removeable terminal block
Audio output	1 output, removable screw terminal block	1 output, removeable terminal block
Analog video input	1 input, RCA-style 75 Ohm Connector	n/a, use USB or Ethernet camera input on HMIG5U
Electrical		
US rated supply voltage	24 VDC	12...24 VDC
Power connector	Removable screw terminal block	Removable spring terminal block
Supply	External source	External source
Supply voltage limits	19.2...28.8 VDC	10.8...28.8 VDC
Inrush current	<= 30 A	<= 30 A
Power consumption	<= 50 W	<= 57 W
Mechanical		
Cut-out dimensions	W15.1 x H11.12 in (W383.5 x H282.5 mm)	W15.1 x H11.12 in (W383.5 x H282.5 mm)
Width	15.55 in (395 mm)	15.63 in (397 mm)
Height	11.57 in (294 mm)	11.65 in (296 mm)
Depth	2.36 in (60 mm)	2.64 in (67 mm), display module with box module
Product weight	12.35 lb(US) (5.6 kg)	11.9 lb(US) (5.4 kg)
Product mounting	Flush mounting	Flush mounting
Mounting mechanism	By 8 screw clamps or by 4 spring clips	By 8 integrated screw clamps
Front material	Aluminium alloy	Aluminium alloy
Enclosure material	Aluminium alloy	Aluminium alloy
Environment		
Operating temperature	32...122 °F (0...50 °C)	32...140 °F (0...60 °C)
Storage temperature	-4...140 °F (-20...60 °C)	-4...140 °F (-20...60 °C)
Type of cooling	Natural air circulation	Natural air circulation
Relative humidity	0...90 % without condensation	10...90 % without condensation
IP rating - front panel	IP65 conforming to IEC 60529	IP66F/IP67F
NEMA rating - front panel	NEMA #250 Type 4X/13 (indoor use)	NEMA #250 Type 4X/13 (indoor use)
Certifications		
Certifications and standards	CE, ATEX, cULus, Class 1 Division 2	CE, ATEX, cULus, Class 1 Division 2
Marine agencies	ABS, BV, DNV, GL, LR, RINA, RMRS	ABS, BV, DNV, GL, LR, RINA, RMRS
WEEE	Directive 2002/96/EC	Directive 2012/19/EU
RoHS	Directive 2002/95/EC	Directive 2011/65/EU
RoHS China	Standard SJ/T 11363-2006	Standard SJ/T 11363-2006

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Parts Identification



Parts Identification

Label descriptions	<p>A - Display B - Touch Panel C - Status LED D - Expansion Unit Interface E - Ethernet Interface F - USB Host Interface x2 G - Expansion Unit Interface H - Expansion Unit Interface I - Auxiliary I/O Interface J - Expansion Memory Interface Cover K - CF Card Access LED L - Power Plug Connector M - CF Card Cover N - Audio Input Interface O - Video Input Interface P - Serial Interface COM1 Q - Serial Interface COM2 R - RS-485 Polarization Selector Switch</p>	<p><u>Display Unit HMIDT732</u> A - Brightness Sensor B - Front USB Cover C - USB (Type A) Interface D - USB (mini-B) Interface E - Status LED F - Power Connector G - Box module interface</p> <p><u>Box Unit HMIG3U</u> A - Auxiliary Output Interface B - Status LED C - Card Access LED D - USB (mini-B) Interface E - Expansion Unit Interface Cover F - Storage Card Cover G - System Card Cover H - USB (Type A) Interface x2 I - Ethernet Interface J - Ethernet Interface K - COM1 LED L - Serial Interface (COM1) M - Serial Interface (COM2)</p>
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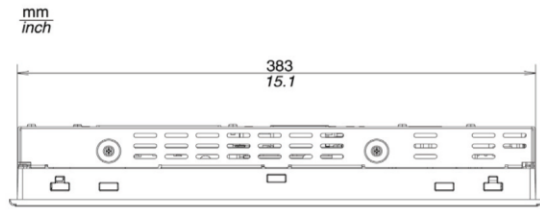
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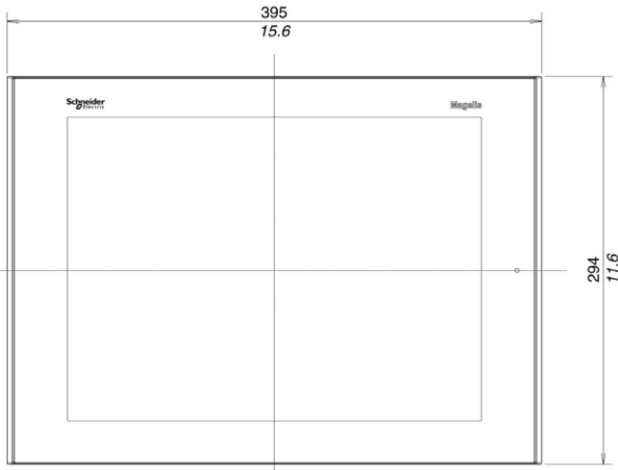
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Drawings

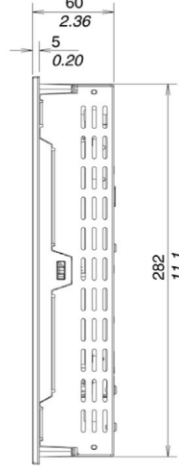
External dimensions



Top

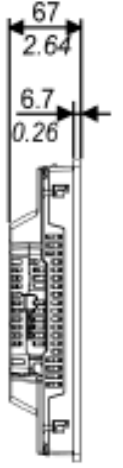
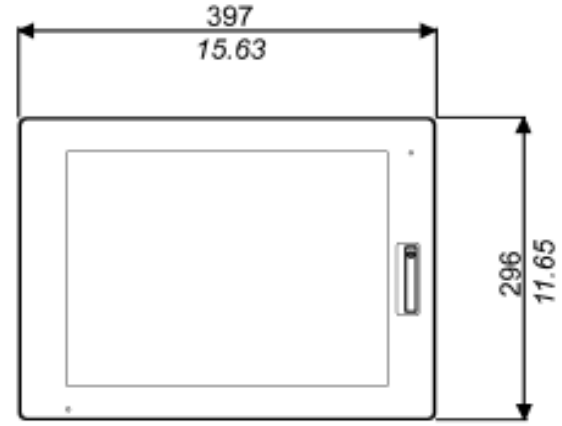


Front



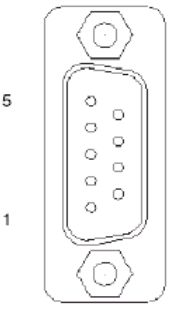
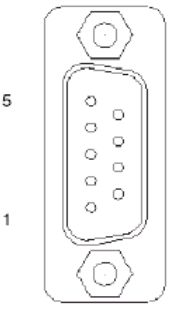
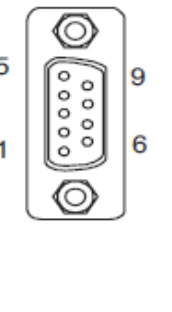
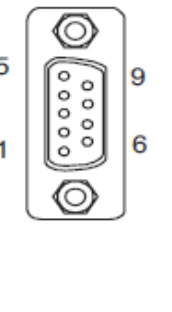
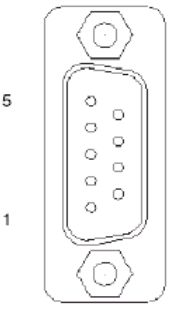
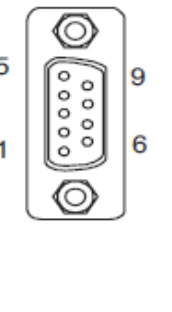
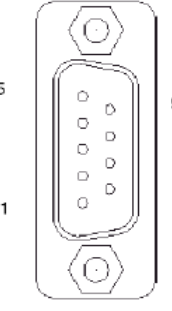
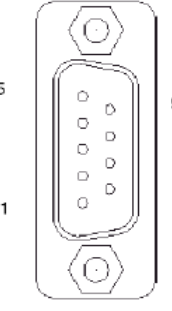
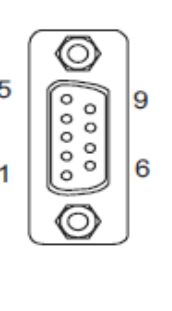
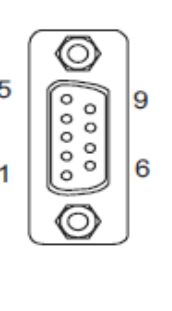
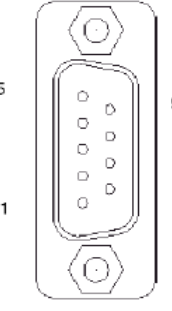
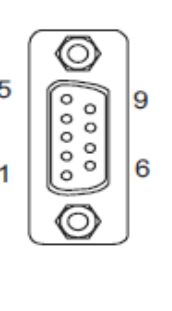
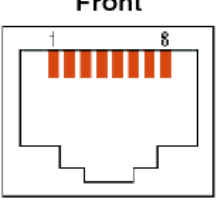
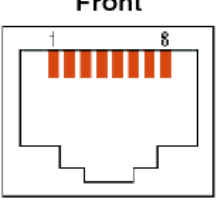
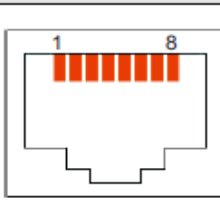
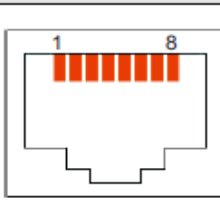
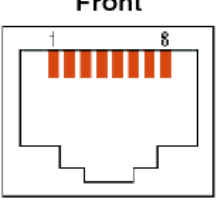
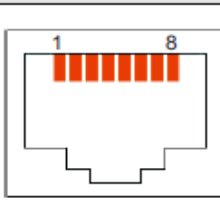
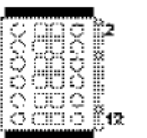
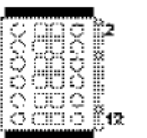
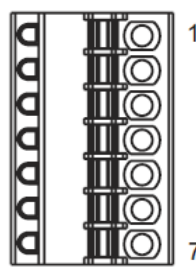
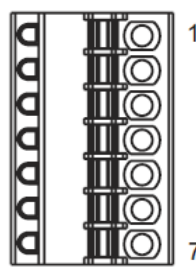
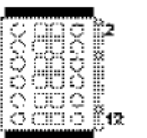
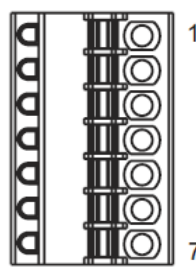
Right Side

mm
in.



- 1 Front
- 2 Left
- 3 Bottom

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Port Connections																																																																																														
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