








# Input/Output Connectors

Series	DD1	DD2	PM2	PM3	PM5	WM1	WM2	WD2
Photo								
Pitch	0.5mm	0.5mm	Signal: 1.27mm Power: 1.0mm	1.27mm	1.27mm	1.0mm	1.0mm	0.5mm
I/O	Cable I/O 75° Vert Dock R/A Dock	Cable I/O R/A Dock	R/A and Vert Dock	Vert Dock	Vert Dock	R/A and Vert Dock	R/A and Vert Dock	Vert Dock
Pin Count	30	40	13	22	16	68	54	100, 144 Signal 4 Power
Signal Standard	USB 2.0	USB 2.0	SATA	SATA	SATA	USB 2.0	USB 2.0 SATA	PCIe, USB, LVDS, TMDS, DisplayPort
Current Rating	Signal: 0.5A Power: 1.0A	Signal: 0.5A Power: 1.0A	1.5A	1.5A	1.5A	0.5A	0.5A	Signal: 0.5A Power: 10A per pair
Voltage Rating	30VAC	30VAC	30VAC	30VAC	30VAC	125VAC	125VAC	Signal: 200VAC Power: 20V
Durability	10,000 cycles	10,000 cycles	500 cycles	500 cycles	500 cycles	5,000 cycles	10,000 cycles	10,000 cycles
Operating Temp	-25 ~ +75 °C	-25 ~ +75 °C	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +85 °C
Locking	Latch	Latch	N/A	N/A	N/A	N/A	N/A	N/A
Features	Hugely successful design. I/O for market leading product.	Robust and compact design.	Slim line SATA standard for optical disk drives.	SATA standard for hard disk drives.	Micro SATA standard compatible for 1.8" HDD and SSD.	Low profile docking. Insertion guide.	±1.7mm blind mating. Ground to ground first contact.	Compatible with various high speed differential transmission.



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Receptacle:	<b>DD1R030HA1</b>	Standard mount
	<b>DD1R030JA7</b>	Reverse mount
Docking Plug:	<b>DD1B030VA1</b>	Vertical
	<b>DD1B030HA1</b>	Right angle
Cable Plug:	<b>DD1P030MA1</b>	

Receptacle:	<b>DD2R040HP2</b>
Docking Plug:	<b>DD2B040HA2</b>
Cable Plug:	<b>DD2P040MA1</b>

PC side:	<b>PM2R013 N Q 1</b>	
N: Horizontal		Modification Code
V: Vertical		
		1: Standard, 2.25mm
		2: Reverse, 4.6mm
		3: Reverse, 6.5mm
		4: Reverse, 7.9mm
ODD Side:	<b>PM2B013H P 1</b>	
Au Plating Thickness		Hold Down Type
P: 0.1um		
Q: 0.3um		
S: 0.76um		
		1: Screw fix type
		2: Solder tab

PC side:	<b>PM3R022UQ1</b>
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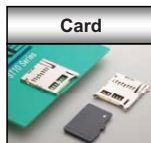
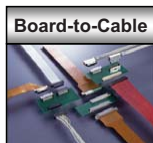
PC Side:	<b>PM5R016 Y Q1</b>	
		V: Vertical T/H
		U: Vertical SMT

Female side:	<b>WM1F068N S A</b>	
N: R/A Thru-hole		Height code:
U: Vertical Thru-hole		
		A: Standard
		B: Reversed
		D: +0.4mm
		E: +5.0mm
		F: +1.3mm
Male side:	<b>WM1M068USA</b>	

Female side:	<b>WM2F054WPA</b>
Male side:	<b>WM2M054JPA</b>

Receptacle:	<b>WD2F###WB1</b>	
		Height modification Code
Plug (Dock):	<b>WD2M###WB2</b>	

## Other Product Offerings






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# Input/Output Connectors

Series	DC1	DC2	DL1	DP1	DX 2,3	DX4	DE1	DG1
Photo								
Pitch	1.0mm	0.4mm	0.7mm	1.0mm	0.8mm	0.65mm	1.27mm	0.5mm
I/O	Cable I/O	Cable I/O	Cable I/O	Cable I/O	DX2: miniB DX3: miniAB	Cable I/O	Cable I/O	Cable I/O
Pin Count	19	19	68	20	5	5	15	25,73
Signal Standard	HDMI	HDMI	PCI Express x8, USB 2.0	DisplayPort	USB 2.0	USB 2.0	PCI Express x1	Infiniband x4, x12
Current Rating	0.5A	0.5A	0.5A	0.5A	1.0A	Signal: 0.5A Power: 1.8A	0.5A	0.5A
Voltage Rating	40VAC	40VAC	30VAC	40VAC	30VAC	30VAC	40VAC	30VAC
Durability	10,000 cycles	5,000 cycles	10,000 cycles	10,000 cycles	5,000 cycles	10,000 cycles	10,000 cycles	250 cycles
Operating Temp	-20 ~ +85 °C	-20 ~ +85 °C	-20 ~ +85 °C	-20 ~ +85 °C	-20 ~ +60 °C	-30 ~ +80 °C	-40 ~ +80 °C	-25 ~ +70 °C
Locking	N/A	N/A	Latch	Latch	N/A	N/A	Latch	Lanyard
Features	HDMI standard compatible.	Mini HDMI standard compatible.	Developed for ATI XGP™ external graphics card.	DisplayPort standard compatible.	Mini USB standard compatible.	Micro USB standard compatible.	High speed I/O for PCI express transmission.	Integrated with GORE cable for superior performance.

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Receptacle: **DC1R019JBA**

Cable Harness: **DC1P019ST30200B**

Restricted to HDMI Adapters  
Contact JAE for additional options

Receptacle: **DE1R015ND1**

Cable Harness: **DE1P15T0014719**

Contact JAE for other cable lengths

Receptacle: **DC2R019JA4**

Modification Code

Cable Harness: **DC1DC2ST2150B**

Restricted to HDMI Adapters  
Contact JAE for additional options

Receptacle: **DP1R 0 20 JQ 1**

Shell Plating ———— | ———— Modification Code  
0: Tin |  
D: Nickel | Board Connection Type  
J: SMT

Cable Plug: **DP1P020ST2 200 LB**

Cable Length ———— | LB: With latch  
B: Without latch

For additional options, visit our website

Type B miniUSB: **DX2R005HN2E700**

Type AB miniUSB: **DX3R005HN2E700**

Receptacle: **DX4R005 J91R1500**

Board Connection Type  
J: T/H  
H: SMT

Receptacle: **DL1R068JB 1**

1: Standard  
2: Reverse

Plug Harness: **DL1P068 TX4 L### A**

Cable Specification ———— | Cable Length  
Twinax AWG #34

Contact JAE for additional options

Receptacle: **DG1R025HS5**

Cable: **DG1P025 S##L###R**

025: 4x Infiniband ———— | Cable length (mm)  
073: 10x, 12x Infiniband | Wire size (AWG)

For additional options, visit our website

## Other Product Offerings

Board-to-Board



Board-to-Flex



Board-to-Cable



Card



Circular



Transportation



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