



HCI® Connector System

Product Presentation



HCI® Connector System

Category Information



Power Connectors

Board, Cable, Busbar
Connectors



PwrBlade®,
PwrBlade +™
HPCE® BTB **NEW**
HPCE®
HCI®
PwrLoPro™ **NEW**
BarKlip® **NEW**
Airmax Power®

Power Cable IO

Cable Assemblies



PwrBlade® Cable
HPCE® Cable **NEW**
PwrProfile®
PwrProfile(+)[™]
PwrTwinblade®

Busbar

Laminated Busbars



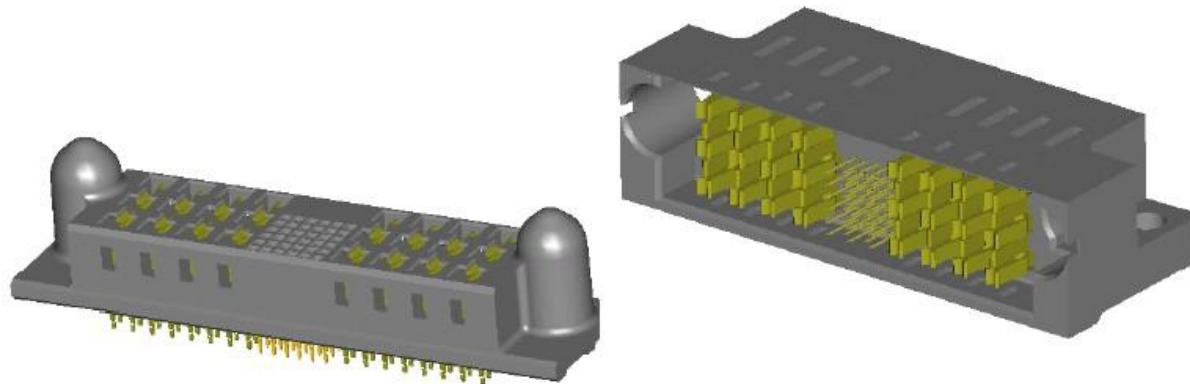
Customized

HCI® Connector System



Key Points

- The strongest power connector within the FCI Power Solutions Portfolio with one pin carrying up to 144A
 - derated to 86A with multiple pins
- AC/DC high power distribution and hard metric (HM) application
- 2nd sourced to TE



HCI® Connector System



Product Specifications

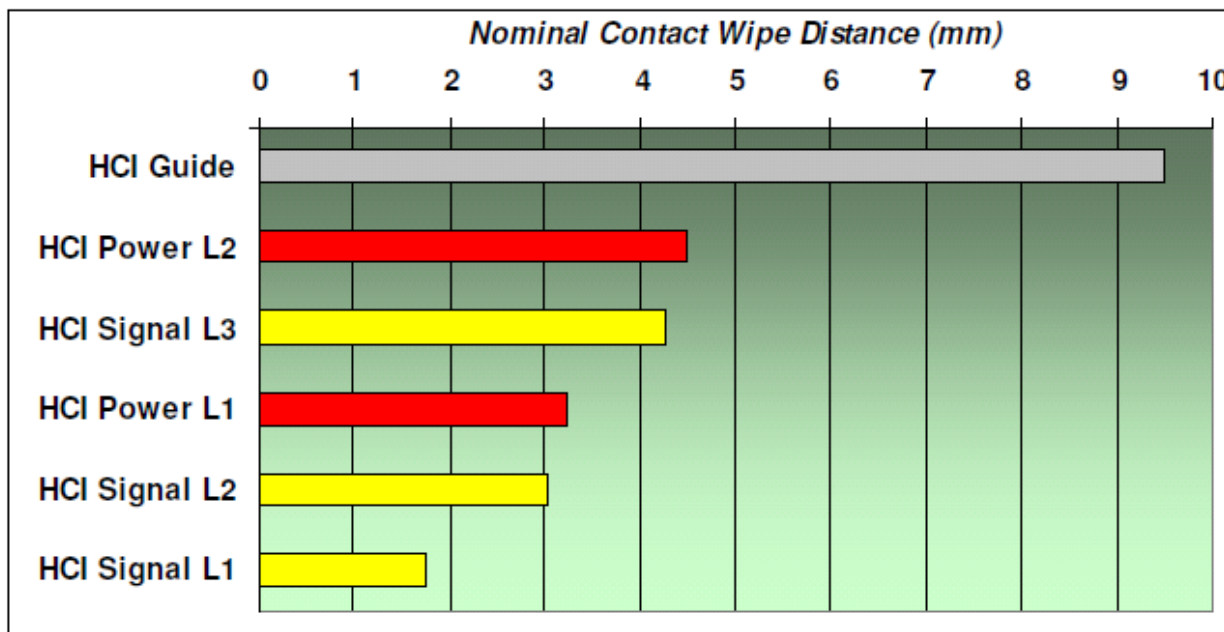
- Power pin up to 144A, multiple pins 86A (up to 30°C T-rise in still air)
- 6mm DC power contact centerline spacing standard

Application	Number of adjacent contacts fully powered	Test Board (Copper Pad)	Air Starting Temp.	Still Air	Forced Air (LFM)	T-Rise (°C)	Current Rating per power contact (Amp)
HCI General product (Co Planar & Back Plane)	1	5 oz. / 2 external layers	Ambient (xx)	Yes		30	82
	10						50
HCI HIGH POWER MODULE (2 & 3 Position)	2						83
	3						75
HCI General product (Co Planar & Back Plane)	1	2 oz. / multi layers	Ambient (xx)	Yes		30	144
	2						110
	4						105
	6						95
	8						92
	10						86

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Product Specifications



Power Contact	Signal Contact	Minimum Wipe Distance (mm)	Remark
LONG (L2)		4.378	Standard
SHORT(L1)		3.108	Standard
	LONG (L3)	3.940	Standard
	SHORT (L2)	2.670	Standard / Detected Pin
	SHORT (L1)	1.400	Special

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Product Specifications : HCI Working Voltage

The Maximum Working Voltage are recommended (RMS Voltage)			
<i>UL-60950-1 Edition 2 Table 2N</i>			
<i>Pollution Degree: 2 Material group: 1</i>			
Contact Pitch (mm / inch)		MCD (mm)	RMS Working Voltage
Power to Power	6.00 mm (0.236")	2.512	502
	7.30 mm (0.287")	3.812	760
	7.62 mm (0.300")	4.132	826
	14.60 mm (0.575")	11.11	2,222
Power to Signal	5.00 mm (0.197")	2.393	479
Power to Signal	7.62 mm (0.300")	5.013	1003
Power to Signal	2.54 mm (0.100")	0.813	163



THANK YOU

