

Board-to-Board Connectors

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Product name		NOVASTACK® 35-P	NOVASTACK® 35-HDP	NOVASTACK® 35-HDN	NOVASTACK® 35-HDH	NOVASTACK® 35-PH	NOVASTACK® -B
Feature		 P	 ZenShield® P	 ZenShield®	 ZenShield®	 P	 P
		Signal and power hybrid	High-speed (20+ Gbps) Fully-shielded High power	High-frequency (~15 GHz) High-speed (20+G bps) Fully-shielded	High-speed (40 Gbps) Fully-shielded High profile	Authentic high profile design with power pin	High power (6 A x 4 pins)
Receptacle P/N		20709-0**E-**	20698-0**E-01*	20865-0**E-**	21004-0**E	20843-0**E-21	20713-004E-0*
Plug P/N		20708-0**E-**	20697-0**E-01*	20864-0**E-**	21003-0**E	20842-0**E-21	20712-004E-0*
Pitch (mm)		0.35	0.35	0.35	0.35	0.35	0.4 (signal), 1.7 (power)
Pin count	Range	10 - 80 (signal) + 2 (power)	6 - 76 (signal) + 4 (power)	10 - 60	10 - 70	10 - 50 (signal) + 2 (power)	2 - 4 (signal) + 4 (power)
	Available	10,14,16,18,20,24,30,34,40,50,60	16, 28, 34, 42, 56, 62/+4	10, 20, 30	60, 70	10, 30, 40, 50/+2	4+4
* Please inquire for pin counts not listed as available or outside of the pin count range.							
Mated Size (mm)	Stack height	0.7+/-0.1	0.7+/-0.05	0.7+/-0.05	1.5+/-0.10	1.5+/-0.06	0.6+/-0.1
	Width formula	2.17+(0.35*?p/2)	4.89+(0.35*?p/2)	4.15 (10P) 5.90 (20P) 7.90 (30P)	3.3+(0.35*?p/2)	2.65+(0.35*?p/2)	3.20+(0.4*?p/2)
	Depth	2.3	3.7	2.15	3.64	2.8	2.6
Wiping length (mm)		0.19 (10~50P) 0.13 (52~80P)	Signal contact : 0.11 Power contact : 0.13	0.14	0.33	0.32	0.1
Current rating	Signal pin	0.3 A/pin		1.0 A / pin (Max. 10P) (12pin and over : 12.0 A AC/DC (Total))	0.5 A/pin (12.0 A Max. (Total))	0.3 A/pin	1.0 A/pin
	Power pin	2.0 A/pin x 2	2.2 A/pin x 4	-	-	3.0 A/pin x 2	6.0 A/pin x 4
Operating temperature		- 40 °C ~ + 85 °C					

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