High-Power Wire-to-Board Connectors (ISH/ISHV)

Click the photos below to get more detailed product information.

Series	ISH ISHV					,
Feature		P				
	Miniaturized 125 ºC resistance horizontal mating connector	Dedicated Power Pin	Miniaturized 125 °C resistance vertical mating connector	Miniaturized 125 ºC resistance wire-to-wire connector	Miniaturized 125 ºC resistance LV214 compatible connector	Miniaturized 125 ºC resistance LV214 compatible connector
Mating Type	Н	orizontal	Vertical	Wire to Wire	Horizontal	Vertical
Available Pin Count	3 (1 row) 6/8/12/16/20/32 (2 rows)	20/28 (2 rows) (20 P) Signal 18+Power 2 (28 P) Signal 26+Power 2	10/20/26 (2 rows)	3 (1 row) 8 (2 rows)	12/16 (2 rows)	8 (2 rows)
Pitch	2.0 mm	Signal : 2.0 mm Power : 3.8 mm	2.0 mm			
Pin Size	0.50 mm * 0.40 mm (020)	Signal: 0.50 mm*0.40 mm (020) Power: 1.50 mm*0.64 mm (060)	0.50 mm * 0.40 mm (020)			
Mating Height	7.50 mm (1 row) 12.20 mm (2 rows)	13.60 mm	20.75 mm	8.00 mm (1 row) 11.70 mm (2 rows)	10.88 mm (2 rows)	19.95 mm
Current Rating	4.5A per pin	Signal 4.5A per pin Power 7A per pin	4.5A per pin			
Operating Temperature	-40 − 125 °C					
Vibration Resistance	10 G					
Plating	Sn					
Automotive Standards	USCAR-2 (*)	USCAR-2 (**)	LV214	LV214 (***)	LV214	LV214

Note (*): 8P and 12P tested. Except for Retention Force specification.

(**): 20P tested. Rear cover needed to satisfy specification. Male power terminal retention force not satisfying.

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(***) 8P tested.

High-Power Wire-to-Board Connectors (IARPB)

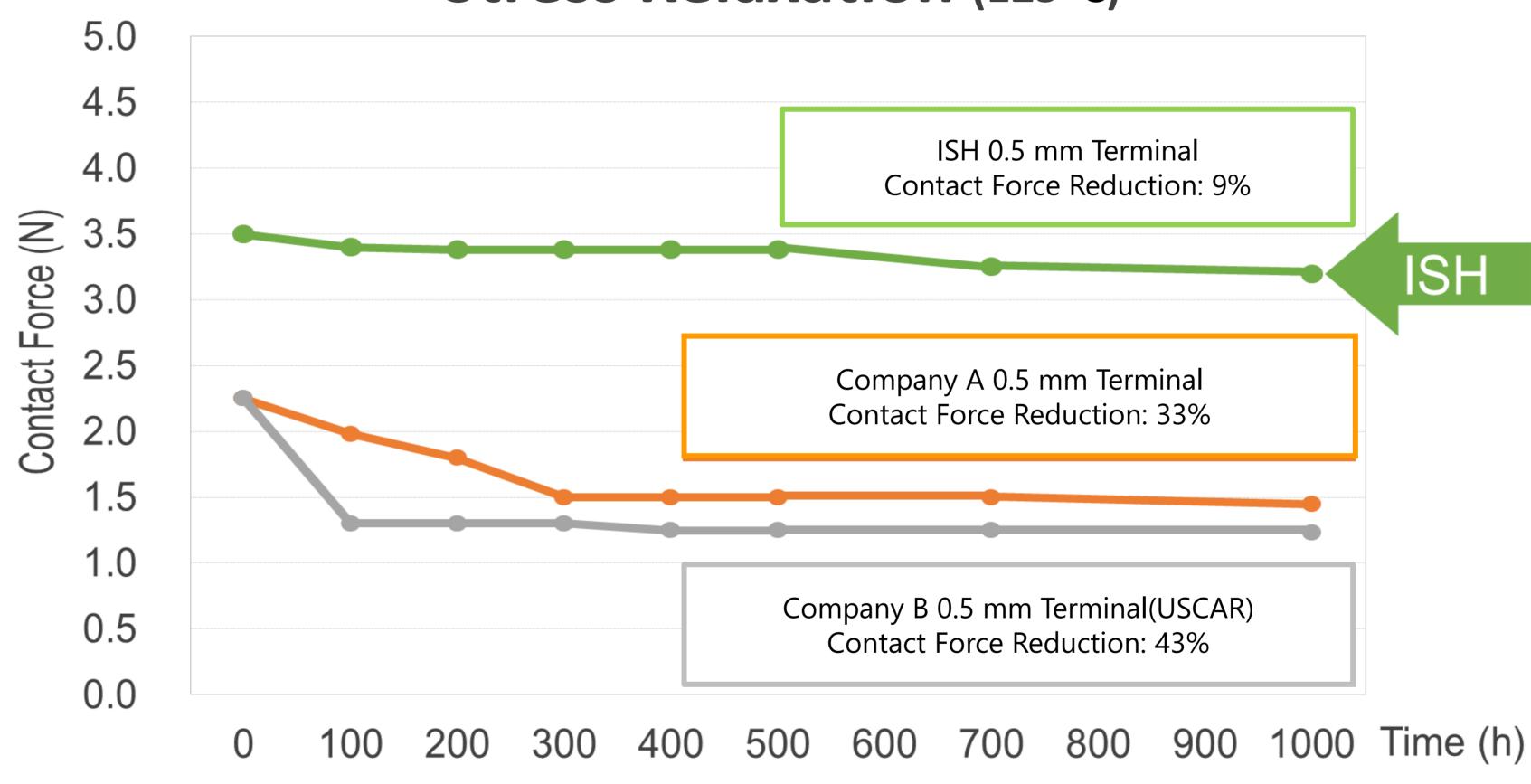
Ulick the photos below to get more detailed product information. (except Miniaturized board-in vertical type connector)

Series	IARPB		
Feature			
	Miniaturized board-in connector	Miniaturized board-in vertical type connector	
Mating Type	Through-Hole DIP		
Available Pin Count	2/3/4/5/6 (1 row)	2/4/7(1 row) *3,5,6,8,9,10(planned)	
Pitch	2.5 mm		
Pin Size	Ф 0.7		
Mating Height	3,30 mm	8,40mm	
Current Rating	3.0A per pin		
Operating Temperature	-40 ~+125°C		
Vibration Resistance	10G	6G	
Plating	Sn		
Automotive Standards	Several OEM specs		

202408R0

High-Power Wire-to-Board Connectors (ISH/ISHV)

Stress Relaxation (125°C)



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High-power supply terminal Spacer/Power terminal, PCB SMT terminal

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Click the photos	below to get mo	re detalled	product information

Series		AP-10	AP-TSS10 / AP-LT10	
Feature				
		High current (16A), High temperature (105°C) resistance, board-to-board power supply terminal	High current (32 A), high temperature (125°C) Spacer/Power Terminal, PCB SMT Terminal, easily operates with SMT and M3 (8.00 mm) screws	
Mati	ng type	Vertical	Vertical (M3 thread screw)	
	Height (mm)	11.70 +/- 0.20 (Receptacle)	0.00 / 0.40 / 4.0 T004.0)	
		7.50 +/- 0.10 (Plug: 7.5)	8.00 +/- 0.10 (AP-TSS10) 1.00 +/- 0.10 (AP-LT10)	
		14.50 +/- 0.10 (Plug: 14.5)	1.00 17 0.10 (711 2110)	
	Width (mm)	7.60 +/- 0.20 (Receptacle)		
Size (mm)		6.00 +/- 0.10 (Plug: 7.5)		
		7.60 +/- 0.10 (Plug: 14.5)	Φ7.00 +/- 0.10 (AP-TSS10)	
	Depth (mm)	3.40 +/- 0.20 (Receptacle)	Ф8.20 +/- 0.10 (APLT-10)	
		3.40 +/- 0.20 (Plug: 7.5)		
		5.20 +/- 0.20 (Plug: 14.5)		
Platir	ng Type	Sn / Ni plating	Sn / Ni plating	
Rating /	Amperage	16A DC	32A DC	
Operating	Temperature	233~378 (-40~+105°C)	233~398 (-40~+125°C)	
Contact	resistance	1.0 mΩ Max.	1.0 mΩ Max.	
Operatin	ng Humidity	85 % Max. (Non-Condensing)	85 % Max. (Non-Condensing)	
Dur	ability	3 CYCLES	-	

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I-PEX Product Series

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ISH® and
IARPB® Series
Wire-to-Board Connectors



AP Series
Terminals



CABLINE® Series
Micro-Coaxial Connectors

Matrix >



NOVASTACK®
Series
Board-to-Board Connectors

Matrix >



MINIDOCK[™]
Series
I/O Connectors

Matrix >



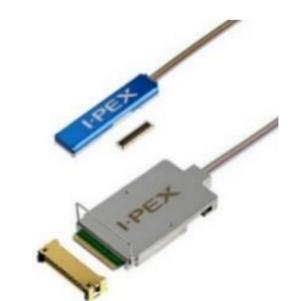
DUALINE® Series
Twinax Connectors



EVAFLEX[®] Series

MINIFLEX[®] Series

FPC/FFC Connectors



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