




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

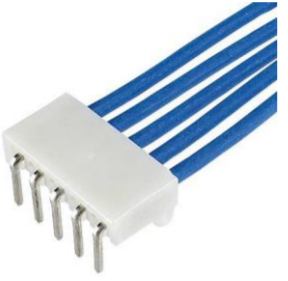
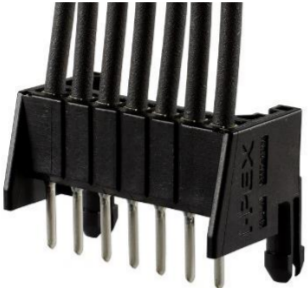
Click the photos below to get more detailed product information.

Series	ISH				ISHV	
Feature						
	Miniaturized 125 °C resistance horizontal mating connector	Dedicated Power Pin	Miniaturized 125 °C resistance vertical mating connector	Miniaturized 125 °C resistance wire-to-wire connector	Miniaturized 125 °C resistance LV214 compatible connector	Miniaturized 125 °C resistance LV214 compatible connector
Mating Type	Horizontal		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	7.4 mm (1 row) 10.9 mm (2 rows)	13.60 mm	20.75 mm	8.00 mm (1 row) 11.7 mm (2 rows)	10.90 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. (***) 8P tested.

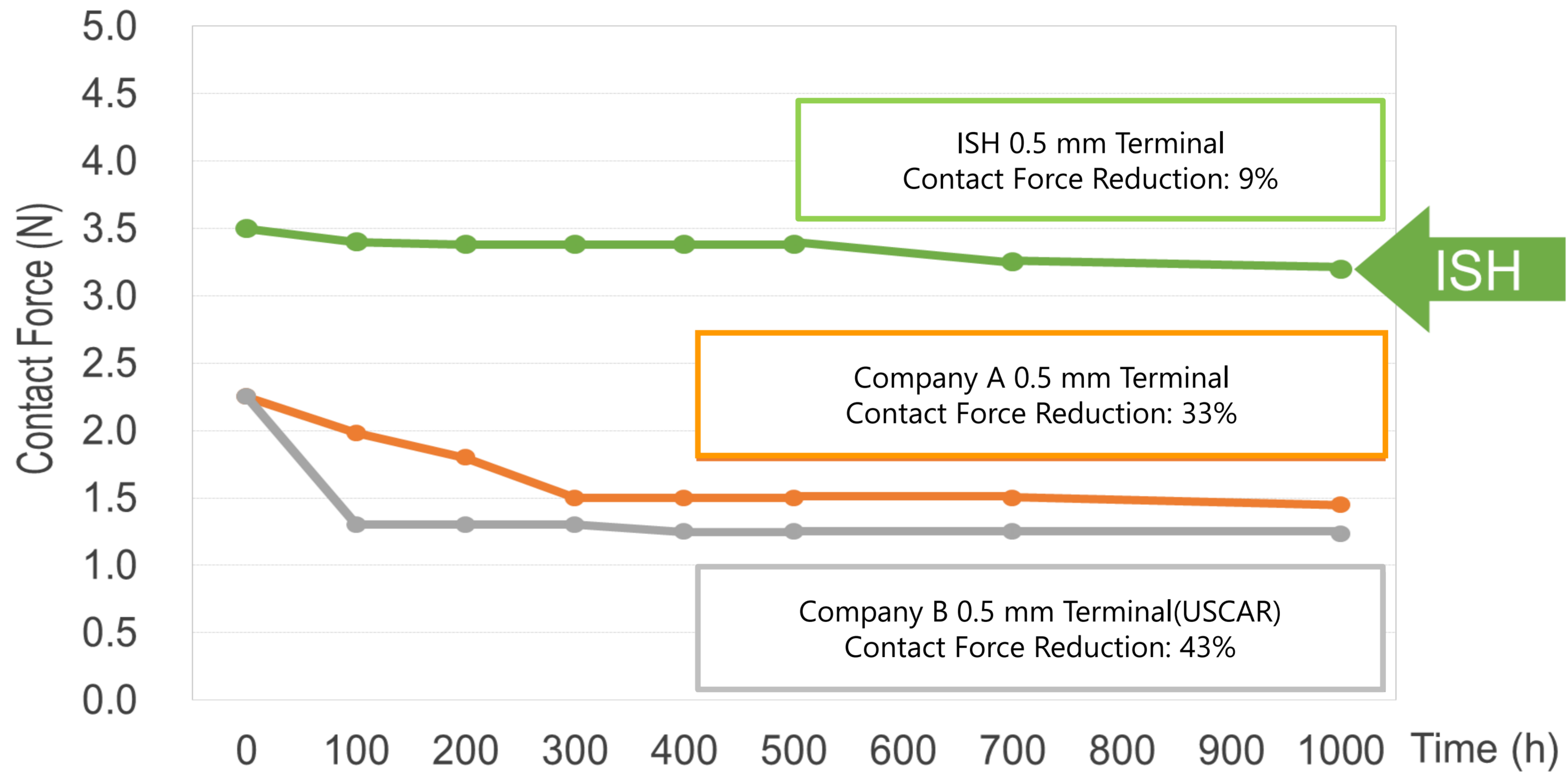
High-Power Wire-to-Board Connectors (IARPB)

↓ Click 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	Φ 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	

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

Stress Relaxation (125°C)



High-power supply terminal for board-to-board connector

Ground • power supply leaf connector

↓ Click the photos below to get more detailed 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 (32A), High temperature (125°C) resistance, board-to-board power supply terminal	
Mating type		Vertical	Vertical (M3 thread screw)	
Size (mm)	Height (mm)	11.70 +/- 0.20 (Receptacle)	8.00 +/- 0.10 (AP-TSS10) 1.00 +/- 0.10 (AP-LT10)	
		7.50 +/- 0.10 (Plug: 7.5)		
		14.50 +/- 0.10 (Plug: 14.5)		
	Width (mm)	7.60 +/- 0.20 (Receptacle)	Φ7.00 +/- 0.10 (AP-TSS10) Φ8.20 +/- 0.10 (APLT-10)	
		6.00 +/- 0.10 (Plug: 7.5)		
		7.60 +/- 0.10 (Plug: 14.5)		
	Depth (mm)	3.40 +/- 0.20 (Receptacle)		
		3.40 +/- 0.20 (Plug: 7.5)		
		5.20 +/- 0.20 (Plug: 14.5)		
Plating 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.	
Operating Humidity		85 % Max. (Non-Condensing)	85 % Max. (Non-Condensing)	
Durability		3 CYCLES	-	

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