

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

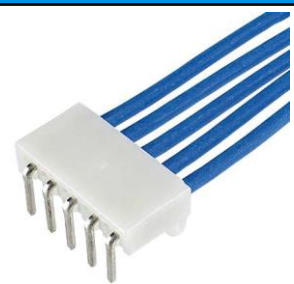
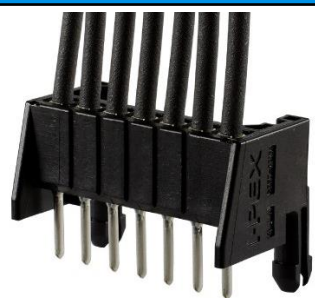
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Series	ISH				ISHV	
Feature		 P				
	Miniaturized 125 °C resistance horizontal mating connector	Dedicated Power Pin	Miniaturized 125 °C resistance vertical mating connector	Miniaturized 125 °C resistance wire-to-wire connector	Miniaturized 125 °C resistance 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	7.50 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 complied, except for Retention Force specification. (**) : 20P complied, except for retention force of male power terminals. (need to add rear cover option) (***) : 8P complied



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

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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)	2/4/5/6/7 (1 row) *3,8,9,10(planned)
Pitch	2.5 mm	
Pin Size	Φ 0.7	
Mating Height	Max 3,50 mm (2,3,4,5P) Max 4,0mm (6P)	Max 8,70mm
Current Rating	3.0A per pin	
Operating Temperature	-40 ~+125°C	
Vibration Resistance	10G	6G
Plating	Sn	
Automotive Standards	-	

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

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Series		AP-10	AP-TSS10 / AP-LT10
Feature			
		High current (16A), High temperature (105℃) resistance, board-to-board power supply terminal	High current (32 A), high temperature (125℃) Spacer/Power Terminal, PCB SMT Terminal, easily operates with SMT and M3 (8.00 mm) screws
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℃)	233~398 (-40~+125℃)
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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