

# Wire-to-Board-Connectors

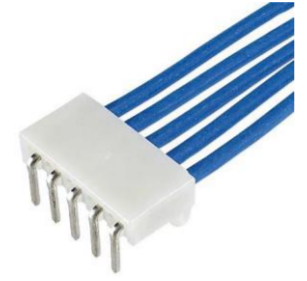
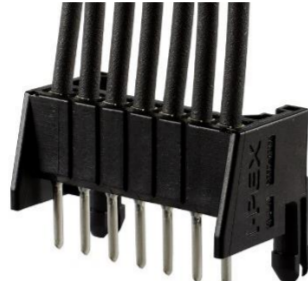
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Series	ISH				ISHV	
Feature						
	<b>Miniaturized 125 °C resistance horizontal mating connector</b>	<b>Dedicated Power Pin</b>	<b>Miniaturized 125 °C resistance vertical mating connector</b>	<b>Miniaturized 125 °C resistance wire-to-wire connector</b>	<b>Miniaturized 125 °C resistance LV214 compatible connector</b>	<b>Miniaturized 125 °C resistance LV214 compatible connector</b>
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



# Wire-to-Board-Connectors

Click on each product information to jump to the web.

Series	IARPB	
Feature		
	<b>Miniaturized board-in connector</b>	<b>Miniaturized board-in vertical type connector</b>
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	-	

# Terminals

Click on each product information to jump to the web.

Series		AP-10	AP-TSS10 / AP-LT10	
Feature		 <p><b>High current (16A), High temperature (105°C) resistance, board-to-board power supply terminal</b></p>	 <p><b>High current (32 A), high temperature (125°C) Spacer/Power Terminal, PCB SMT Terminal, easily operates with SMT and M3 (8.00 mm) screws</b></p>	
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)		$\Phi$ 7.00 +/- 0.10 (AP-TSS10) $\Phi$ 8.20 +/- 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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**IARPB<sup>®</sup>**  
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Wire-to-Board  
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