

Connector Datasheet

PT061700XX21

Pitch 1.27 pin header dual row SMT without post DH

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Version	Changed Reason		Changed by	Date
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TECHNICAL INFORMATION

MATERIALS

- Housing: Thermoplastic High Temperature, UL 94V-0.
- Contact: Copper Alloy, Reference Drawing Description.
- Gold flash plated overall

ELECTRICAL PERFORMANCE

- Current Rating: 1A Max. / Pin
- Voltage Rating: 30V DC Max.

MECHANICAL PERFORMANCE

- Mating force : 220g Max. / Pin
- Unmating force: 20g Min. / Pin
- Contact Retention Force : Male: 300gf / pin Min.
- Durability : 100 cycles

PACKING

• Box



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TEST REQUIREMENTS AND PROCEDURES SUMMARY

Test Description	TS AND PROCEDURES SI Requirement	PROCEDURED	
Examination of product	Meets requirements of product drawing and Specification.	Visual inspection No physical damage	
Electrical			
Contact Resistance	40mΩ Max. After Test 60mΩ Max.	EIA-364-23C	
Insulation Resistance	1000MΩ Min. at 500V DC / 2min.	ЕІА-364-21-Е	
Dielectric Withstanding Voltage	No breakdown at 500V RMS	ЕІА-364-20-Е	
MECHANICAL			
Durability	100 Cycles	EIA-364-09C	
Mating Force	220gf Max. /Pin	Speed 25±3mm/minute	
Un-Mating Force	20gf Max. /Pin	Speed 25±3mm/minute	
Contact Retention Force	300gf Min./Pin	EIA-364-29C	
ENVIRONMENTAL			
Humidity	Meets requirements of product drawing and electrical specification.	EIA-364-31C method II Condition A	
Salt spray	Meets requirements of product drawing and electrical specification.	Temperature: 35℃ ± 2℃ Density of salt water: 5 ± 1% Period: 4hours	
Low Temperature	Meets requirements of product drawing and electrical specification	The connector housing shall be store at temperature of -25 ± 3°C for 48hours	
Dry heat	Meets requirements of product drawing and electrical specification	The connector housing shall be store at temperature of 85 ± 2°C for 96hours EIA-364-17C	
PHYSICAL			
Solderability	The test area shall be covered more than 95% of immersed area with flash solder	Solder Temperature: 245° C ± 5 °C Immersion Period: 3 ± 0.5 sec.	
Resistance to Soldering Heat	 1. Without deformation of case or excessive loosen. 2. Electrical characteristics shall be satisfied 	Place the connector on the P.C. Board, then immerse the solder pin up to the surface of the board in the solder bath at $260^{\circ}C \pm 5^{\circ}C$	
		for 5 sec.(Included $245^{\circ}C \pm 5^{\circ}C$ for 10 sec.)	

Figure 1

NOTE: Shall meet visual requirements, show no physical damages.

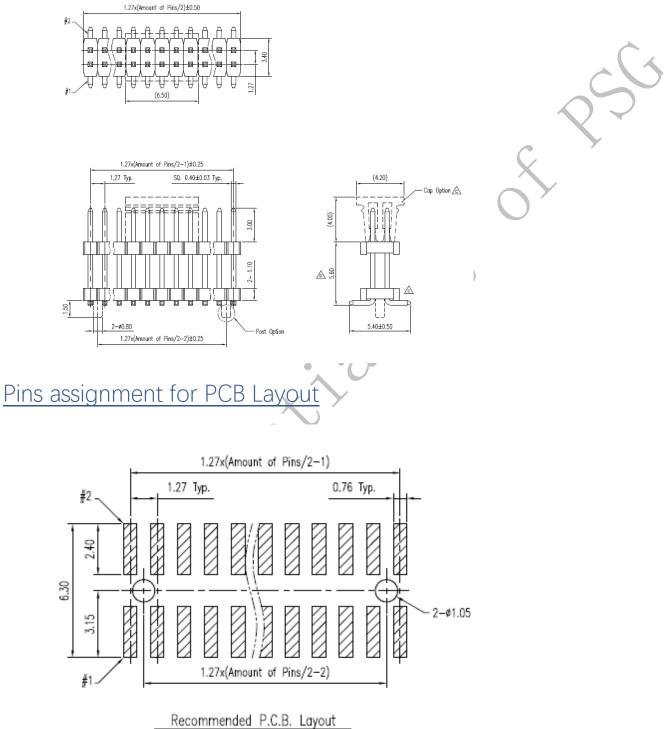
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Component Configuration and Dimensions

PT061700<u>XX</u>21 => XX: Amount of Pins



Recommended P.C.B. Layout Layout Tolerance = ± 0.05mm

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<u>Others</u>

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Note: The product specification only for standard product

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