

Connector Datasheet

PT062102XXB1

Pitch 2.00mm pin header single row DIP DH

| Prepared: Hyde | | Approved: ADAM | |
|----------------|------------------|----------------|----------|
| Checked: FEIDI | | Customer: | |
| Version | Changed Reason | Changed by | Date |
| 01 | Original version | Hyde | 20191018 |
| | | | |
| | | | |

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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: 2A 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 | 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. | EIA-364-21-E |
| Dielectric Withstanding Voltage | No breakdown at 500V RMS | EIA-364-20-E |
| 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°C ± 2°C 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 ± 0.5sec. |
| 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°C ± 5°C for 5 sec.(Included 245°C ± 5°C for 10 sec.) |

Figure 1

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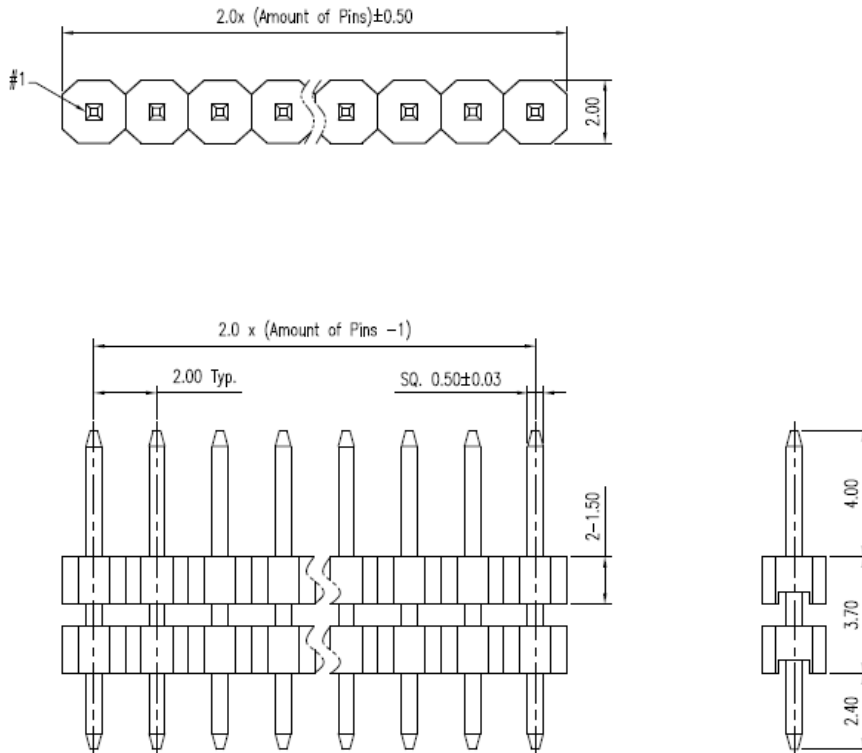
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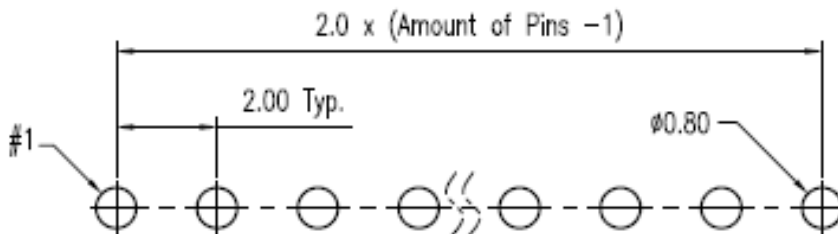
NOTE: Shall meet visual requirements, show no physical damages.

Component Configuration and Dimensions

PT062102XXB1=> XX: Amount of Pins



Pins assignment for PCB Layout



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

Others

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Note: The product specification only for standard product

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