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# SERIES: SSK09-FPH-200 | DESCRIPTION: RECTANGULAR CONNECTOR

## FEATURES

- female pin header
- 2.0 mm pitch
- straight pins
- single row
- gold flash

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage | | | | 220 | V |
| rated current | | | | 2.0 | A |
| dielectric withstanding voltage | at 2 mA cut-off current for 1 minute | | 500 | | Vac |
| contact resistance | measured at 1 kHz AC, 100 mA | | | 20 | mΩ |
| insulation resistance | at 500 Vdc for 1 minute | 1,000 | | | MΩ |
| retention force | per pin | 0.5 | | | kgf |
| insertion force | per pin | | | 0.2 | kgf |
| withdrawal force | per pin | 0.03 | | | kgf |
| life | | | 100 | | cycles |
| operating temperature | | -40 | | 105 | °C |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| wave soldering | for 3±0.5 seconds | 240 | 245 | 250 | °C |

## PART NUMBER KEY

**SSK09 - FPH - 200 - A XX**

Base Number

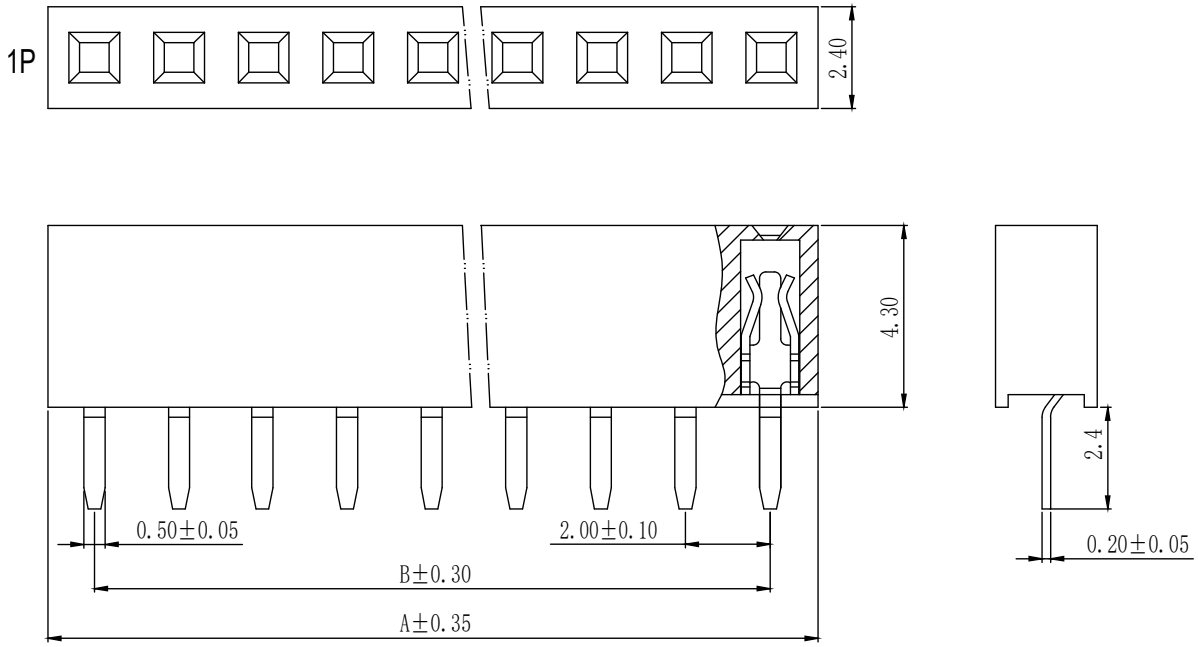
No. of Poles:

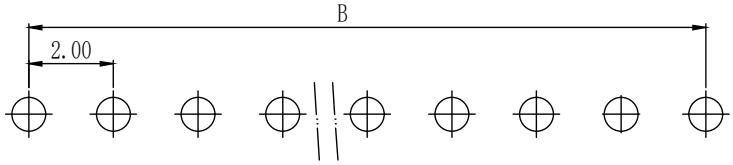
| | | | |
|---|---|---|---|
| 2 | 12 | 22 | 32 |
| 3 | 13 | 23 | 33 |
| 4 | 14 | 24 | 34 |
| 5 | 15 | 25 | 35 |
| 6 | 16 | 26 | 36 |
| 7 | 17 | 27 | 37 |
| 8 | 18 | 28 | 38 |
| 9 | 19 | 29 | 39 |
| 10 | 20 | 30 | 40 |
| 11 | 21 | 31 | |

## MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.15 mm
unless otherwise noted

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| housing | PA6T (UL94V-0) | black |
| contacts | phosphor bronze | 0.2 μ" min gold flash over nickel |




Recommended PCB Layout
Top View

| This series is constructed of single piece modules where A & B are length dimensions and N is the number of poles. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 |
| A | 4.50 | 6.50 | 8.50 | 10.50 | 12.50 | 14.50 | 16.50 | 18.50 | 20.50 | 22.50 | 24.50 | 26.50 |
| B | 2.00 | 4.00 | 6.00 | 8.00 | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 | 24.00 |
| N | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| A | 28.50 | 30.50 | 32.50 | 34.50 | 36.50 | 38.50 | 40.50 | 42.50 | 44.50 | 46.50 | 48.50 | 50.50 |
| B | 26.00 | 28.00 | 30.00 | 32.00 | 34.00 | 36.00 | 38.00 | 40.00 | 42.00 | 44.00 | 46.00 | 48.00 |
| N | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| A | 52.50 | 54.50 | 56.50 | 58.50 | 60.50 | 62.50 | 64.50 | 66.50 | 68.50 | 70.50 | 72.50 | 74.50 |
| B | 50.00 | 52.00 | 54.00 | 56.00 | 58.00 | 60.00 | 62.00 | 64.00 | 66.00 | 68.00 | 70.00 | 72.00 |
| N | 38 | 39 | 40 | | | | | | | | | |
| A | 76.50 | 78.50 | 80.50 | | | | | | | | | |
| B | 74.00 | 76.00 | 78.00 | | | | | | | | | |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 10/22/2026 |

The revision history provided is for informational purposes only and is believed to be accurate.

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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