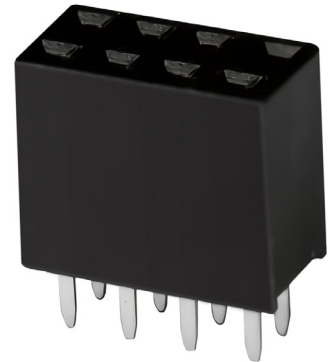


**SERIES:** SSK04-FPH-254 | **DESCRIPTION:** RECTANGULAR CONNECTOR**FEATURES**

- female pin header
- 2.54 mm pitch
- straight pins
- double row
- gold flash

**SPECIFICATIONS**

| parameter                       | conditions/description               | min   | typ | max | units  |
|---------------------------------|--------------------------------------|-------|-----|-----|--------|
| rated voltage                   |                                      |       |     | 250 | V      |
| rated current                   |                                      |       |     | 3   | 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 1,000 Vdc for 1 minute            | 1,000 |     |     | MΩ     |
| retention force                 | per pin                              | 0.7   |     |     | kgf    |
| insertion force                 | per pin                              |       |     | 0.3 | kgf    |
| withdrawal force                | per pin                              | 0.05  |     |     | 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****SSK04 - FPH - 254 - B XX**

Base Number

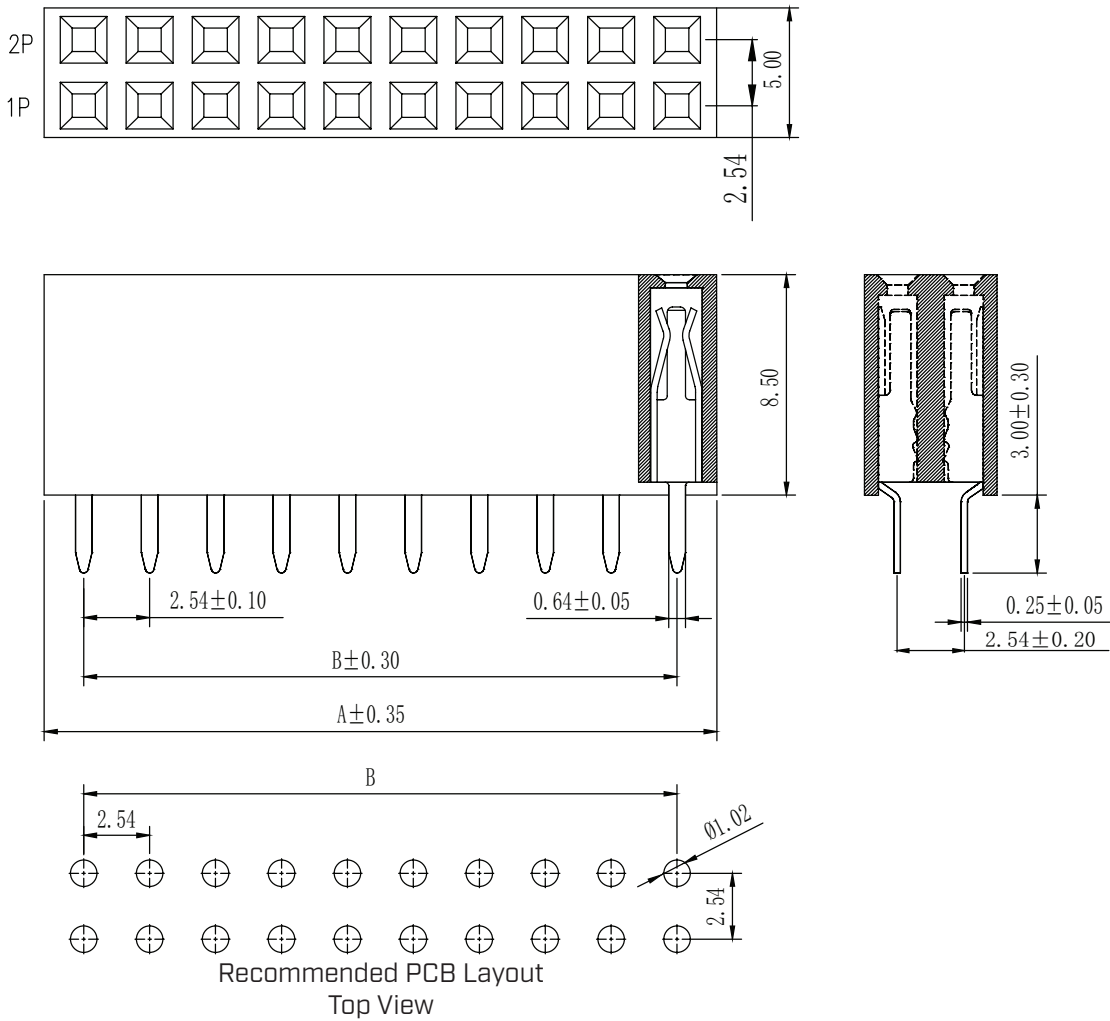
No. of Poles:

|    |    |
|----|----|
| 2  | 12 |
| 3  | 13 |
| 4  | 14 |
| 5  | 15 |
| 6  | 16 |
| 7  | 17 |
| 8  | 18 |
| 9  | 19 |
| 10 | 20 |
| 11 |    |

MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.30$  mm  
X.XX  $\pm 0.20$  mm  
X.XXX  $\pm 0.15$  mm  
unless otherwise noted

| DESCRIPTION | MATERIAL       | PLATING/COLOR                             |
|-------------|----------------|-------------------------------------------|
| housing     | PA6T [UL94V-0] | black                                     |
| contacts    | brass          | 0.2 $\mu$ " min gold<br>flash over nickel |



| 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                                                                                                                  | 5.58  | 8.12  | 10.66 | 13.20 | 15.74 | 18.28 | 20.82 | 23.36 | 25.90 | 28.44 | 30.98 | 33.52 |
| B                                                                                                                  | 2.54  | 5.08  | 7.62  | 10.16 | 12.70 | 15.24 | 17.78 | 20.32 | 22.86 | 25.40 | 27.94 | 30.48 |
| N                                                                                                                  | 14    | 15    | 16    | 17    | 18    | 19    | 20    |       |       |       |       |       |
| A                                                                                                                  | 36.06 | 38.60 | 41.14 | 43.68 | 46.22 | 48.76 | 51.30 |       |       |       |       |       |
| B                                                                                                                  | 33.02 | 35.56 | 38.10 | 40.64 | 43.18 | 45.72 | 48.26 |       |       |       |       |       |

REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 03/04/2026 |

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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