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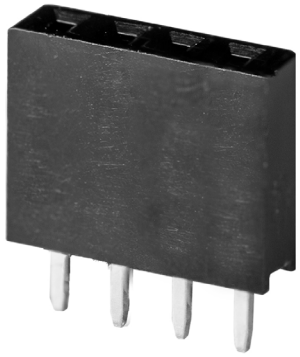
same sky

Additional Resources: Product Page | PCB Footprint

SERIES: SSK02-FPH-254 | DESCRIPTION: RECTANGULAR CONNECTOR

FEATURES

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



RoHS

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

SSK02 - FPH - 254 - A **XX**

Base Number

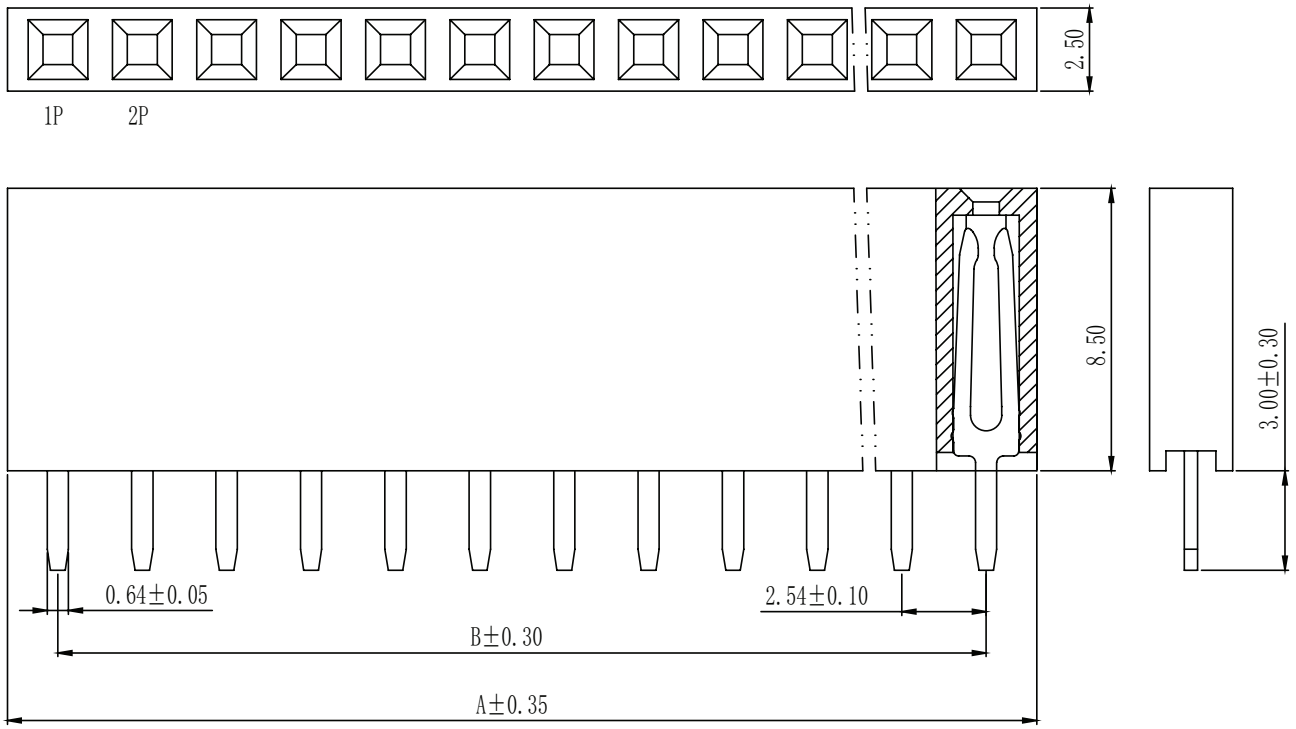
No. of Poles:

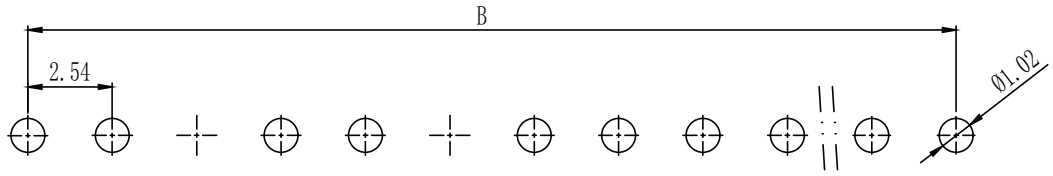
2	12	22	32
3	13	23	33
4	14	24	34
5	15	25	35
6	16	26	36
7	17	27	37
8	18	28	38
9	19	29	39
10	20	30	40
11	21	31	

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	brass	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	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	21	22	23	24	25
A	36.06	38.60	41.14	43.68	46.22	48.76	51.30	53.84	56.38	58.92	61.46	64.00
B	33.02	35.56	38.10	40.64	43.18	45.72	48.26	50.80	53.34	55.88	58.42	60.96
N	26	27	28	29	30	31	32	33	34	35	36	37
A	66.54	69.08	71.62	74.16	76.70	79.24	81.78	84.32	86.86	89.40	91.94	94.48
B	63.50	66.04	68.58	71.12	73.66	76.20	78.74	81.28	83.82	86.36	88.90	91.44
N	38	39	40									
A	97.02	99.56	102.10									
B	93.98	96.52	99.06									

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.

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

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