

# Mini Pitch 44050 SERIES CONNECTOR



0.5 mm Pitch FFC / FPC Connector RoHS REACH LF HFA

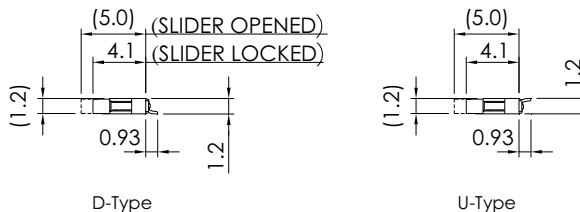
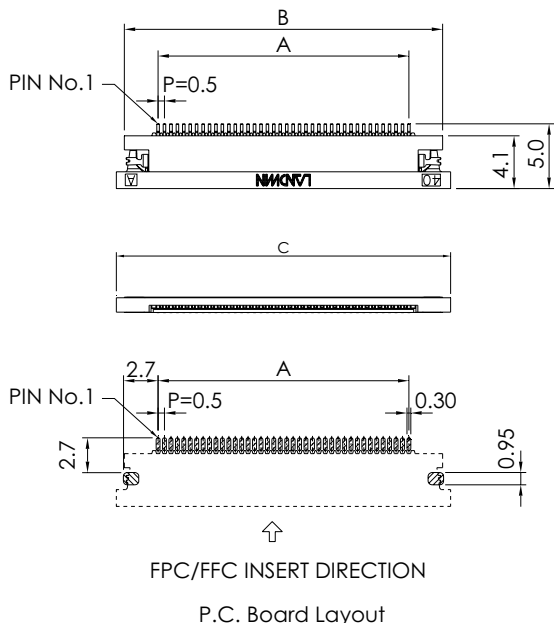
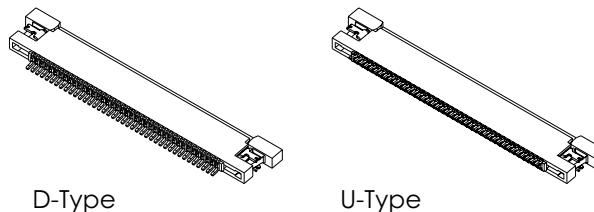
## 44051P FPC SMT Header ZIF Type

### Specifications

- ◇ Current rating: 0.4A AC/DC
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 30 mΩ Max. before Environment test
- ◇ Insulation Resistance: 50 M.Ω Min.
- ◇ Temperature Range: -55 °C to 85 °C

### Reference

- ◇ Mates with FPC/FFC 0.5 Pitch, 0.3±0.05mm in Thickness



### Ordering Information

Circuits	Part No.		Dimension		
	D-Type	U-Type	A	B	C
4	44051P04SDV	44051P04SUV	6.75	1.50	8.00
5	44051P05SDV	44051P05SUV	7.25	2.00	8.50
6	44051P06SDV	44051P06SUV	7.75	2.50	9.00
7	44051P07SDV	44051P07SUV	8.25	3.00	9.50
8	44051P08SDV	44051P08SUV	8.75	3.50	10.00
9	44051P09SDV	44051P09SUV	9.25	4.00	10.50
10	44051P10SDV	44051P10SUV	9.75	4.50	11.00
11	44051P11SDV	44051P11SUV	10.25	5.00	11.50
12	44051P12SDV	44051P12SUV	10.75	5.50	12.00
13	44051P13SDV	44051P13SUV	11.25	6.00	12.50
14	44051P14SDV	44051P14SUV	11.75	6.50	13.00
15	44051P15SDV	44051P15SUV	12.25	7.00	13.50
16	44051P16SDV	44051P16SUV	12.75	7.50	14.00
17	44051P17SDV	44051P17SUV	13.25	8.00	14.50
18	44051P18SDV	44051P18SUV	13.75	8.50	15.00
19	44051P19SDV	44051P19SUV	14.25	9.00	15.50
20	44051P20SDV	44051P20SUV	14.75	9.50	16.00
21	44051P21SDV	44051P21SUV	15.25	10.00	16.50
22	44051P22SDV	44051P22SUV	15.75	10.50	17.00
23	44051P23SDV	44051P23SUV	16.25	11.00	17.50
24	44051P24SDV	44051P24SUV	16.75	11.50	18.00
25	44051P25SDV	44051P25SUV	17.25	12.00	18.50
26	44051P26SDV	44051P26SUV	17.75	12.50	19.00

### Material

Part	Material
Base	High HDT Nylon 94V-0, Ivory

U-TYPE: CONTACT DIRECTION AT UP-SIDE  
D-TYPE: CONTACT DIRECTION AT DOWN-SIDE

※ Available P/N of Halogen-Free replacement:  
44051P xx SDV-SNH ( xx: Circuit No.)  
44051P xx SUV-SNH ( xx: Circuit No.)

### Ordering Information

Circuits	Part No.		Dimension		
	D-Type	U-Type	A	B	C
27	44051P27SDV	44051P27SUV	18.25	13.00	19.50
28	44051P28SDV	44051P28SUV	18.75	13.50	20.00
29	44051P29SDV	44051P29SUV	19.25	14.00	20.50
30	44051P30SDV	44051P30SUV	19.75	14.50	21.00
31	44051P31SDV	44051P31SUV	20.25	15.00	21.50
32	44051P32SDV	44051P32SUV	20.75	15.50	22.00
33	44051P33SDV	44051P33SUV	21.25	16.00	22.50
34	44051P34SDV	44051P34SUV	21.75	16.50	23.00
35	44051P35SDV	44051P35SUV	22.25	17.00	23.50
36	44051P36SDV	44051P36SUV	22.75	17.50	24.00
37	44051P37SDV	44051P37SUV	23.25	18.00	24.50
38	44051P38SDV	44051P38SUV	23.75	18.50	25.00
39	44051P39SDV	44051P39SUV	24.25	19.00	25.50
40	44051P40SDV	44051P40SUV	24.75	19.50	26.00
41	44051P41SDV	44051P41SUV	25.25	20.00	26.50
42	44051P42SDV	44051P42SUV	25.75	20.50	27.00
43	44051P43SDV	44051P43SUV	26.25	21.00	27.50
44	44051P44SDV	44051P44SUV	26.75	21.50	28.00
45	44051P45SDV	44051P45SUV	27.25	22.00	28.50
46	44051P46SDV	44051P46SUV	27.75	22.50	29.00
47	44051P47SDV	44051P47SUV	28.25	23.00	29.50
48	44051P48SDV	44051P48SUV	28.75	23.50	30.00
49	44051P49SDV	44051P49SUV	29.25	24.00	30.50
50	44051P50SDV	44051P50SUV	29.75	24.50	31.00

### Material

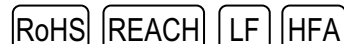
Part	Material
Contact Peg	Phosphor Bronze, Matte Tin-Plated

※ SMT Embossed Tape Packing

# Mini Pitch 44053 SERIES CONNECTOR`



0.5 mm Pitch FFC / FPC Connector



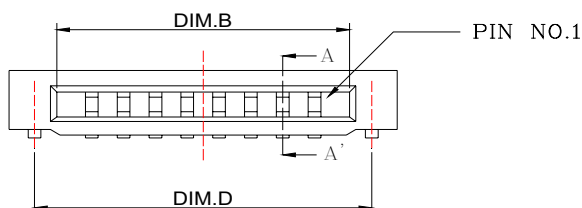
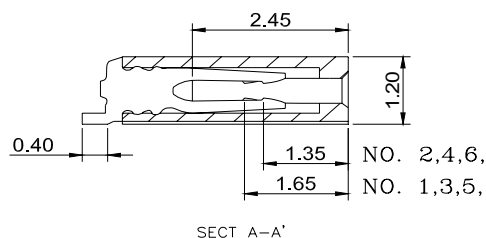
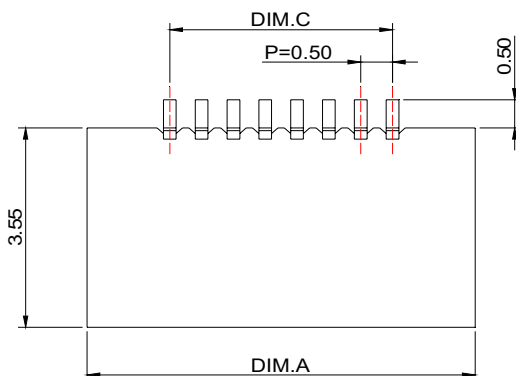
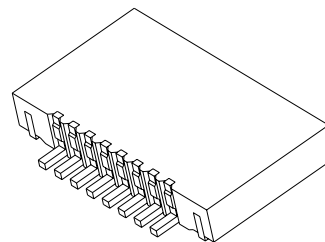
## 44053P FPC SMT Header, No ZIF

### Specifications :

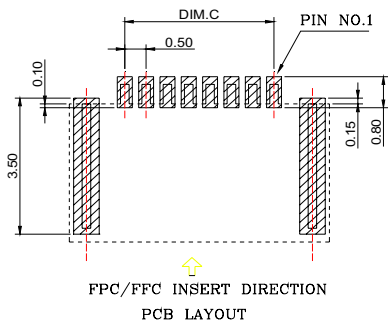
- ◇ Current Rating :0.4A AC/DC
- ◇ Voltage Range :50V AC,DC
- ◇ Withstand Voltage : 200V AC/Minute
- ◇ Insulation Resistance : 50 mΩ Max. before Environment test
- ◇ Contact Resistance : 100 MΩ Min
- ◇ Temperature Range : -40°C to +85°C

### Reference :

- ◇ FPC/FFC Mated: 0.5 Pitch, 0.3±0.03mm in Thickness



CIRCUITS	CIRCUITS NO.	DIM A	DIM B	DIM C	DIM D	CIRCUITS	CIRCUITS NO.	DIM A	DIM B	DIM C	DIM D
04	44053P04SBV	4.10	2.60	1.50	3.30	28	44053P28SBV	16.10	14.60	13.50	15.30
05	44053P05SBV	4.60	3.10	2.00	3.80	29	44053P29SBV	16.60	15.10	14.00	15.80
06	44053P06SBV	5.10	3.60	2.50	4.30	30	44053P30SBV	17.10	15.60	14.50	16.30
07	44053P07SBV	5.60	4.10	3.00	4.80	31	44053P31SBV	17.60	16.10	15.00	16.80
08	44053P08SBV	6.10	4.60	3.50	5.30	32	44053P32SBV	18.10	16.60	15.50	17.30
09	44053P09SBV	6.60	5.10	4.00	5.80	33	44053P33SBV	18.60	17.10	16.00	17.80
10	44053P10SBV	7.10	5.60	4.50	6.30	34	44053P34SBV	19.10	17.60	16.50	18.30
11	44053P11SBV	7.60	6.10	5.00	6.80	35	44053P35SBV	19.60	18.10	17.00	18.80
12	44053P12SBV	8.10	6.60	5.50	7.30	36	44053P36SBV	20.10	18.60	17.50	19.30
13	44053P13SBV	8.60	7.10	6.00	7.80	37	44053P37SBV	20.60	19.10	18.00	19.80
14	44053P14SBV	9.10	7.60	6.50	8.30	38	44053P38SBV	21.10	19.60	18.50	20.30
15	44053P15SBV	9.60	8.10	7.00	8.80	39	44053P39SBV	21.60	20.10	19.00	20.80
16	44053P16SBV	10.10	8.60	7.50	9.30	40	44053P40SBV	22.10	20.60	19.50	21.30
17	44053P17SBV	10.60	9.10	8.00	9.80	41	44053P41SBV	22.60	21.10	20.00	21.80
18	44053P18SBV	11.10	9.60	8.50	10.30	42	44053P42SBV	23.10	21.60	20.50	22.30
19	44053P19SBV	11.60	10.10	9.00	10.80	43	44053P43SBV	23.60	22.10	21.00	22.80
20	44053P20SBV	12.10	10.60	9.50	11.30	44	44053P44SBV	24.10	22.60	21.50	23.30
21	44053P21SBV	12.60	11.10	10.00	11.80	45	44053P45SBV	24.60	23.10	22.00	23.80
22	44053P22SBV	13.10	11.60	10.50	12.30	46	44053P46SBV	25.10	23.60	22.50	24.30
23	44053P23SBV	13.60	12.10	11.00	12.80	47	44053P47SBV	25.60	24.10	23.00	24.80
24	44053P24SBV	14.10	12.60	11.50	13.30	48	44053P48SBV	26.10	24.60	23.50	25.30
25	44053P25SBV	14.60	13.10	12.00	13.80	49	44053P49SBV	26.60	25.10	24.00	25.80
26	44053P26SBV	15.10	13.60	12.50	14.30	50	44053P50SBV	27.10	25.60	24.50	26.30
27	44053P27SBV	15.60	14.10	13.00	14.80						



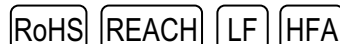
Material	
Part	Material/Plated
Base	High HDT Nylon 94V-0 , Nature
Shell	Copper Alloy, Matte Tin-Plated
Peg	Copper Alloy, Matte Tin-Plated

※ Available Halogen-Free Product Number :44053PXXSBV-SNH

# Mini Pitch 44100 SERIES CONNECTOR



1.0 mm Pitch FFC / FPC Connector



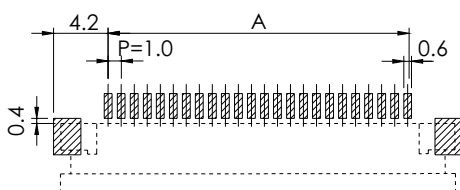
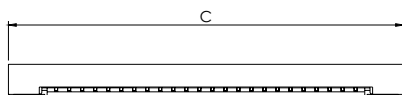
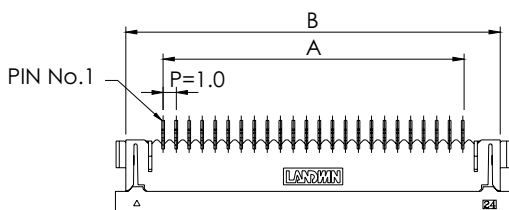
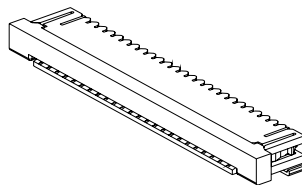
## 44100S FPC SMT Header ZIF Type

### Specifications

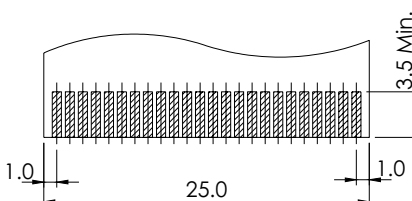
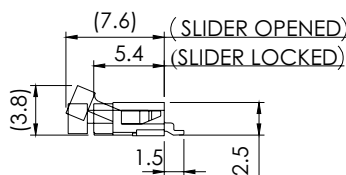
- ◇ Current rating: 1.0A AC/DC
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 30 mΩ Max. before Environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C

### Reference

- ◇ Mates with FPC/FFC 1.0 Pitch, 0.3±0.05mm in Thickness



P.C. Board Layout



RECOMMENDED SIZE OF PCB

### Ordering Information

Circuits	Part No.	Dimension		
	SMT Type	A	B	C
4	44100S04SOT	3.0	8.7	10.3
5	44100S05SOT	4.0	9.7	11.3
6	44100S06SOT	5.0	10.7	12.3
7	44100S07SOT	6.0	11.7	13.3
8	44100S08SOT	7.0	12.7	14.3
9	44100S09SOT	8.0	13.7	15.3
10	44100S10SOT	9.0	14.7	16.3
11	44100S11SOT	10.0	15.7	17.3
12	44100S12SOT	11.0	16.7	18.3
13	44100S13SOT	12.0	17.7	19.3
14	44100S14SOT	13.0	18.7	20.3
15	44100S15SOT	14.0	19.7	21.3
16	44100S16SOT	15.0	20.7	22.3
17	44100S17SOT	16.0	21.7	23.3

### Ordering Information

Circuits	Part No.	Dimension		
	SMT Type	A	B	C
18	44100S18SOT	17.0	22.7	24.3
19	44100S19SOT	18.0	23.7	25.3
20	44100S20SOT	19.0	24.7	26.3
21	44100S21SOT	20.0	25.7	27.3
22	44100S22SOT	21.0	26.7	28.3
23	44100S23SOT	22.0	27.7	29.3
24	44100S24SOT	23.0	28.7	30.3
25	44100S25SOT	24.0	29.7	31.3
26	44100S26SOT	25.0	30.7	32.3
27	44100S27SOT	26.0	31.7	33.3
28	44100S28SOT	27.0	32.7	34.3
29	44100S29SOT	28.0	33.7	35.3
30	44100S30SOT	29.0	34.7	36.3

### Material

Part	Material
Base	High HDT Nylon 94V-0, Ivory

### Material

Part	Material
Contact	Phosphor Bronze, Matte Tin-Plated
Peg	

- ※ Available P/N of Halogen-Free replacement:  
44100S xx SOT-SNH (xx: Circuit No.)
- ※ SMT Embossed Tape Packing