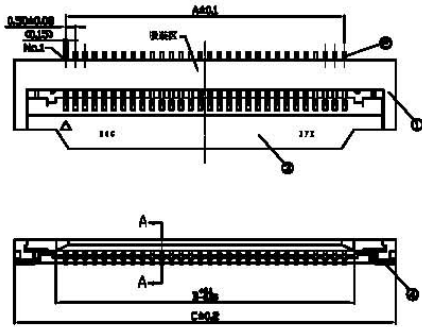


FPC0.5F1-B-SMT-XPW: PITCH 0.5mm ZIF FFC/FPC CONN. SMT R/A Flip-Lock Type (H = 1.2mm)

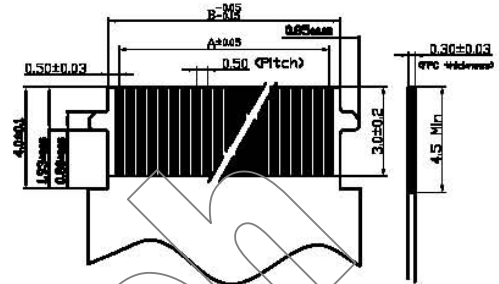
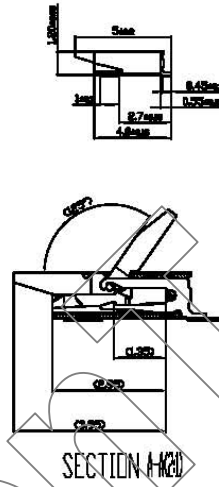
SPECIFICATIONS

Pitch: 0.5 mm
 Current Rating: 0.5A, AC, DC
 Voltage Rating: 50V, AC, DC
 Dielectric Withstanding: 500V AC/minute
 Insulator Resistance: $\geq 500 \text{ M}\Omega$ at 100V
 Contact Resistance: $\leq 30 \text{ m}\Omega/\text{Contact}$
 Operating Temperature: $-25^\circ\text{C} \sim +85^\circ\text{C}$
 Applicable FFC/FPC: $0.3\text{mm} \pm 0.03\text{mm}$
 Material:
 Base: Nylon6T/LCP, UL94V-0
 Contact Pin: Copper Alloy
 Contact Plating: Au or Sn Over 50u" Ni

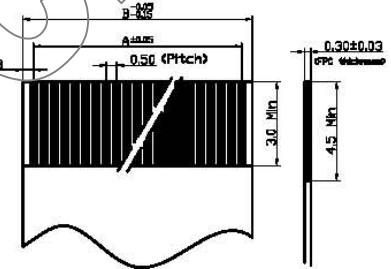
ROHS Compliance



Recommended PCB Layout



Recommended Applicable FPC/FFC



Recommended Applicable FPC/FFC

| Circuit | Dimensions (mm) | | | Circuit | Dimensions (mm) | | | Circuit | Dimensions (mm) | | | Circuit | Dimensions (mm) | | |
|---------|-----------------|-----|-------|---------|-----------------|------|-------|---------|-----------------|------|-------|---------|-----------------|------|-------|
| | A | B | C | | A | B | C | | A | B | C | | A | B | C |
| 4 | 1.5 | 2.6 | 6.85 | 19 | 9.0 | 10.1 | 14.35 | 34 | 16.5 | 17.6 | 21.85 | 49 | 24.0 | 25.1 | 29.35 |
| 5 | 2.0 | 3.1 | 7.35 | 20 | 9.5 | 10.6 | 14.85 | 35 | 17.0 | 18.1 | 22.35 | 50 | 24.5 | 25.6 | 29.85 |
| 6 | 2.5 | 3.6 | 7.85 | 21 | 10.0 | 11.1 | 15.35 | 36 | 17.5 | 18.6 | 22.85 | 51 | 25.0 | 26.1 | 30.35 |
| 7 | 3.0 | 4.1 | 8.35 | 22 | 10.5 | 11.6 | 15.85 | 37 | 18.0 | 19.1 | 23.35 | 52 | 25.5 | 26.6 | 30.85 |
| 8 | 3.5 | 4.6 | 8.85 | 23 | 11.0 | 12.1 | 16.35 | 38 | 18.5 | 19.6 | 23.85 | 53 | 26.0 | 27.1 | 31.35 |
| 9 | 4.0 | 5.1 | 9.35 | 24 | 11.5 | 12.6 | 16.85 | 39 | 19.0 | 20.1 | 24.35 | 54 | 26.5 | 27.6 | 31.85 |
| 10 | 4.5 | 5.6 | 9.85 | 25 | 12.0 | 13.1 | 17.35 | 40 | 19.5 | 20.6 | 24.85 | 55 | 27.0 | 28.1 | 32.35 |
| 11 | 5.0 | 6.1 | 10.35 | 26 | 12.5 | 13.6 | 17.85 | 41 | 20.0 | 21.1 | 25.35 | 56 | 27.5 | 28.6 | 32.85 |
| 12 | 5.5 | 6.6 | 10.85 | 27 | 13.0 | 14.1 | 18.35 | 42 | 20.5 | 21.6 | 25.85 | 57 | 28.0 | 29.1 | 33.35 |
| 13 | 6.0 | 7.1 | 11.35 | 28 | 13.5 | 14.6 | 18.85 | 43 | 21.0 | 22.1 | 26.35 | 58 | 28.5 | 29.6 | 33.85 |
| 14 | 6.5 | 7.6 | 11.85 | 29 | 14.0 | 15.1 | 19.35 | 44 | 21.5 | 22.6 | 26.85 | 60 | 29.5 | 30.6 | 34.85 |
| 15 | 7.0 | 8.1 | 12.35 | 30 | 14.5 | 15.6 | 19.85 | 45 | 22.0 | 23.1 | 27.35 | | | | |
| 16 | 7.5 | 8.6 | 12.85 | 31 | 15.0 | 16.1 | 20.35 | 46 | 22.5 | 23.6 | 27.85 | | | | |
| 17 | 8.0 | 9.1 | 13.35 | 32 | 15.5 | 16.6 | 20.85 | 47 | 23.0 | 24.1 | 28.35 | | | | |
| 18 | 8.5 | 9.6 | 13.85 | 33 | 16.0 | 17.1 | 21.35 | 48 | 23.5 | 24.6 | 28.85 | | | | |