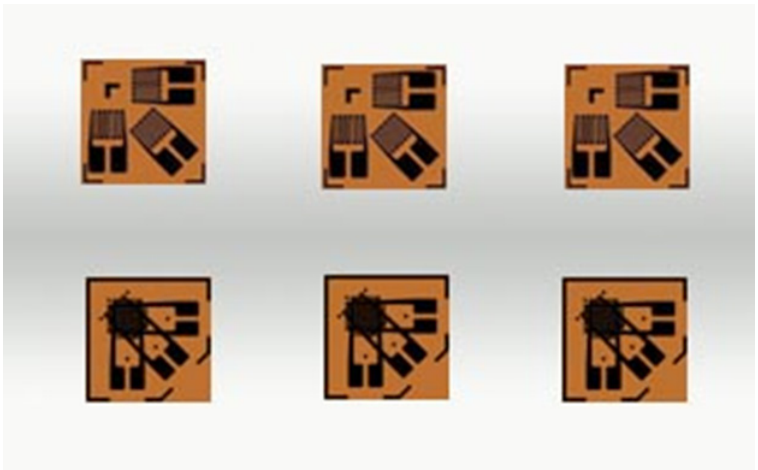
Strain Gauges For Printed Circuit Board Testing

Product Introduction

Strain gauges for printed circuit board testing is used for PCB board in the various mechanical properties of testing in computers, instrumentation, digital products, household appliances, control devices, aviation quantitative assessment and identification, and prevention of various possible failure problems (Such as BGA chip installation, circuit board installation stress, mechanical vibration, solder joint health monitoring, etc.). Component assembly, testing, mechanical installation, transportation and other process may exist too much stress in the harmful process. The indicators are in line with IPC / JEDEC-9704 standard "printed circuit board strain test guide" requirements.

- Three-direction right angle fan arrangement (0 ° / 45 ° / 90 °)
- The sensitive grid size is small, at 1.0mm2 to 2.0mm2
- The cable leads to the same side of the strain gauge
- The linear expansion coefficient is 13 × 10-6 / ° C
- This series strain gauges adopted special wiring, the wiring method is named ** Q ** P **, the strain gauge solder pad is welded to the enameled wire, and the other end of the enameled wire is connected with PVC cable, and two lines and three lines are optional. Enameled wire leads are soft, slim, convenient lead-arrangement and fixed; PVC cable, distinguish color, easy data acquisition.
- Wiring method examples: 01Q600P1K diameter 0.1 mm, length 600 mm enameled wire transfer length 1000 mm PVC cable; Q600P1K that diameter 0.15 mm, length 600 mm enameled wire transfer length 1000 mm PVC cable.

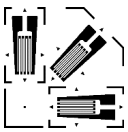
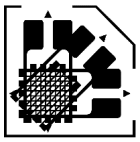
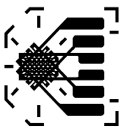


Product Features

Performance parameters	Resistance range	Sensitive grid barrier resistance	Operating temperature	Sensitivity coefficient	Strain limit
Performance Index	Nominal value ±1Ω	±1Ω	-30℃ ~+80℃	2.1±0.1	2.0%

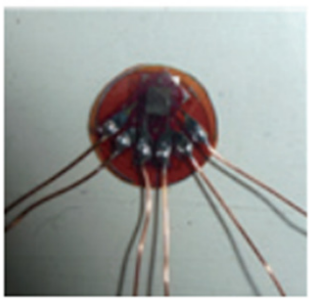
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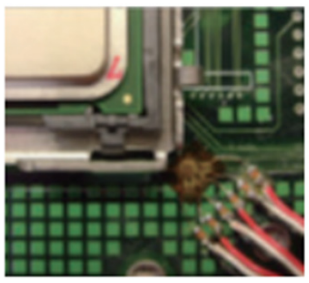
Strain gauges for printed circuit board testing series

Product form	Product Model	Sensitive grid size Long (L) × width (W) (mm)	Backing size Long (L) × Width (W) (mm)
	ZF120-05CA (13)	0.7×0.5	2.5×2.5
	BF120-1CB (13)	1.0×1.0	5.7×5.7
	BF120-1.5CB (13)	1.5×1.5	5.3×5.3
	ZF350-1.5CB (13)	1.5×1.5	5.3×5.3
	BF350-2CB(13)	2.0×2.0	7.5×7.5
	BF120-1CB-A (13)	1.2×1.0	4.0×4.0

Instructions

- The position of the strain gauges on the PCB should be located on all four corners of the selected element, Strain gauge Sensitive grid center(not Strain gauge center), located on the crossover line offset from the edge of the package by 3.56mm ± 0.25mm (0.14in ± 0.01in), can remove the small components that affect the measurement and unrelated components.





- Install the strain gauges and inspect according to the installation method of the common strain gauges. After the gage is bonded, use the tape to secure the leads.
- Adhesive can be used B-711, B-702, H-613, H-716 curing film at room temperature for gage bonding, the specific application can refer to the corresponding glue manual.