Important Mounting Instructions

Mounting Instructions for SMT Conicals

1. The top of the plastic carrier that houses the inductor is designed as a vacuum pick up surface. Using a vacuum pick and place device is ideal for handling the inductor.

2. To mount the inductor on a board, start by screening the solder paste in the pad location areas specified in the product drawing.

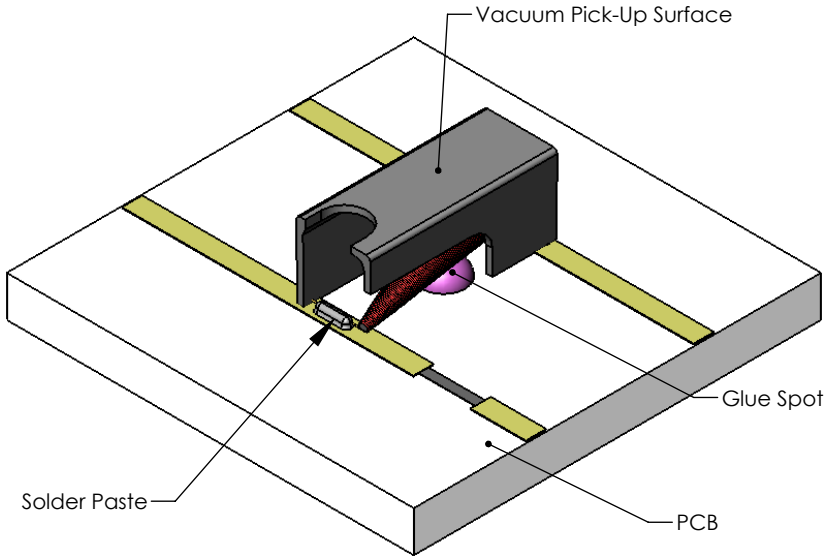
3. Next, place a small spot of nonconductive epoxy in between the two contact pads. The epoxy must be capable of surviving reflow solder temperatures. The epoxy adds strength to the inductor being mounted.
   (Epotek 360T is recommended Epoxy)
   (**Note:** Remove any solder mask below conical as it will affect the epoxy adhesion to the substrate.)

4. Place the inductor on the board so the leads fall on the solder pads. The small end of the coil identified by the notch in the carrier goes on the signal end of the trace.

5. Place the assembly in an oven to cure the nonconductive epoxy spot that holds the inductor on the board. See the data sheet for the epoxy to obtain proper cure temperature and time.

6. Once the epoxy is cured, place the board into the reflow solder oven to reflow the solder and make the connection with the leads.

*Note 1: Steps 5 & 6 may be combined if the nonconductive epoxy is capable of curing in the ramp up cycle of the solder reflow oven.



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Important Mounting Instructions

Mounting Instructions For Non-SMT Style Conical Inductors

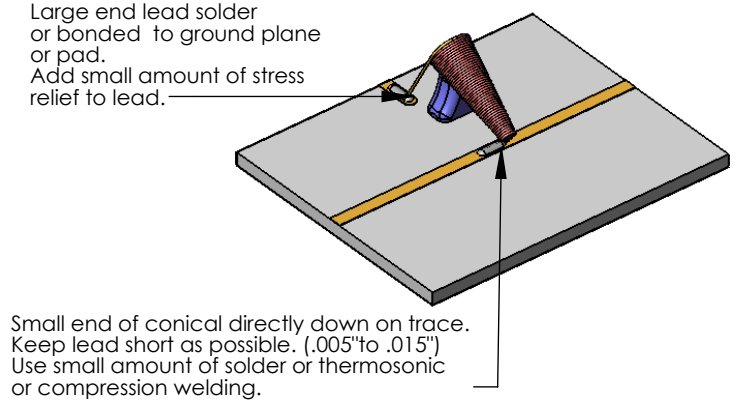
1. Place drop of nonconductive epoxy on the substrate where large end will sit.
   (Epotek 360T is recommended epoxy)
   (**Note:** Remove any solder mask below conical as it will affect the epoxy adhesion to the substrate.)

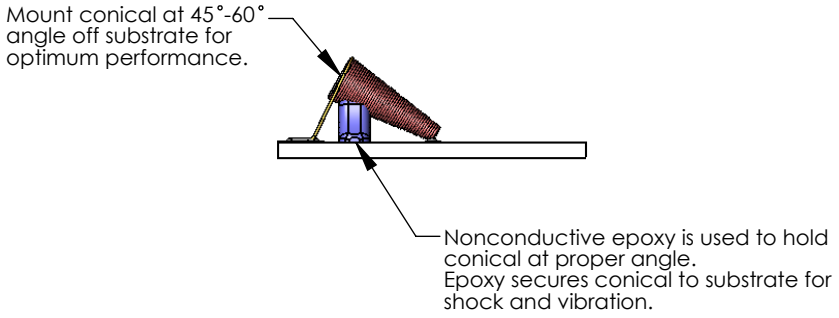
2. Place conical down at proper angle with small end lead directly on the signal trace

3. Cure epoxy in oven.

4. Weld or solder leads as shown to pads. Keep small end lead as short as possible for optimum performance.

* No tuning is required for device when mounted properly.





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