



SMD soldering – double whammy

Hi Jan — I just picked up my first issue of

Elektor magazine and I was excited to see the article on double sided reflow soldering (E-Labs Inside, September 2009, Ed.) as that is exactly what I have been trying to figure out.

I've a question for Antoine regarding his article and I looked for his email but wasn't able to find it. I wanted to find what kind of glue you used to hold down the IC chips. I have looked around a bit, but I am not sure what glue to use.

Appreciate you sharing your experience.

Aaron Moore (by email)

*Antoine Authier, head of Elektor Labs replies:
It's always a pleasure to share experiences, and here are two c(g)lues :)*

- ref. SMA10SL from Electrolube;

- ref. CB8006-V91 from Loctite.

We have actually experimented with both. Everything went well in both cases; the Loctite

appears a bit more fluid, depending on your preferences, this may be a feature or a drawback. Both come in a 10 cc (ml) syringe, the Electrolube came with a plastic needle and a plunger, we got a Loctite Bundle so really no idea if you can have it packaged with these two accessories too. Anyway, the plunger can be replaced by a small screwdriver, any kind of "Luer Lock" compatible needle will fit. When using a hypodermic needle, take care not to stick it into your finger.

I believe that these two brands are widely available and you won't have difficulties to finding them.

To conclude I guess any kind of "SMD Chip Bonder" (key word for your favourite search engine) will do the trick. Please do not hesitate to share your experience with us.

Together with the members of the Elektor lab team I wish you a pleasant time reading the magazine and experimenting with your projects.