

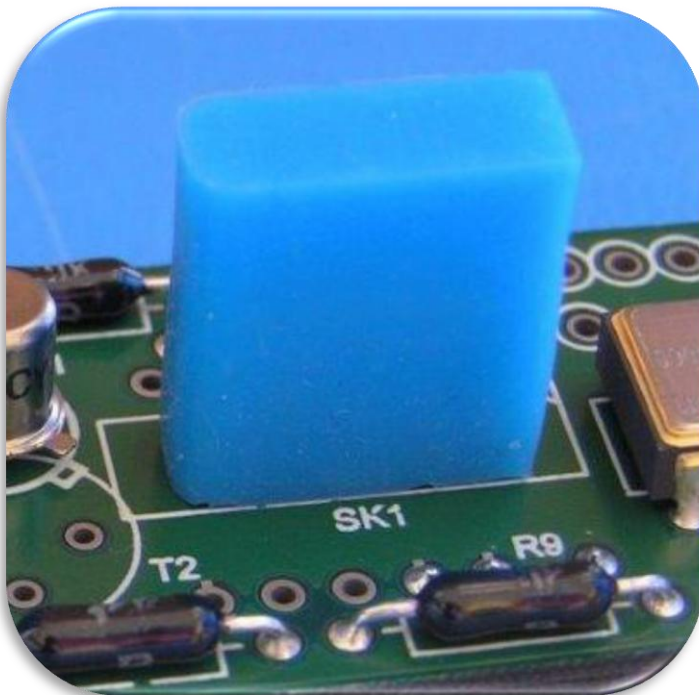
Conformal coating masking boots

Masking boots are an integral part of a full masking solution in coating applications for printed circuit boards, whether this is for a liquid conformal coating process or a vapour deposition process such as parylene.

Many components and parts on a printed circuit board must remain uncoated from conformal coating. The purpose of the masking boots is to provide easy to use covers instead of alternative materials like masking tape and dots to prevent coatings going into the wrong areas.

Where are conformal coating masking boots used?

Our masking boots provide protection for many different types of components for all conformal coating application techniques. These processes include batch and selective robotic spraying (as an alternative to difficult technical programming), vertical and horizontal dipping and vapour deposition of coatings such as parylene



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Conformal coating masking boots

What types of masking boots are available from SCH?

SCH can provide both standard and custom boots solutions for a customer depending on their needs.

SCH already have a wide range of custom boots and designs within stock or ready to manufacture. We can quickly match these to your needs. If this is not possible then we help develop a custom solution through our design services to help you get the protection you need in your conformal coating process.

The key is to determine the best Return on Investment (ROI) when using masking boots for the customer for their particular application.

How are conformal coating masking boots used?

They are used by applying them over the components such as connectors, plugs and sockets that require protection from the conformal coating applied. They can be simple boots that fit over the top of a connector or a more sophisticated design which wraps around a device and fastens together.



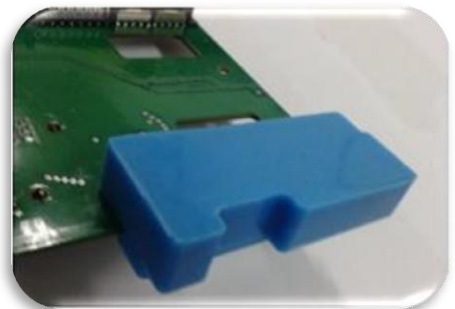
What would happen if I don't mask a component or my circuit board correctly?

The simple answer is the conformal coating is likely to go where you don't want it to. This will lead to the obvious step of either repairing the leak, stripping the conformal coating off the circuit board, removing a component to replace it or scrapping the board.



What conformal coating materials can be used with the masking boots?

The masking boots are compatible with the full range of conformal coating materials and solvents including all of the parylene compositions and the liquid conformal coatings like acrylics, polyurethanes, silicones and epoxies. The boots are generally made of silicone rubber but alternative materials can be used depending on the application.



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