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Application note

fitlet2 - instructions for installing modem in FC-PCI FACET card

Use case

This application note applies to the use case of ordering fitlet2 with FC-PCI with the intention to install a miniPCIe modem obtained by the customer.
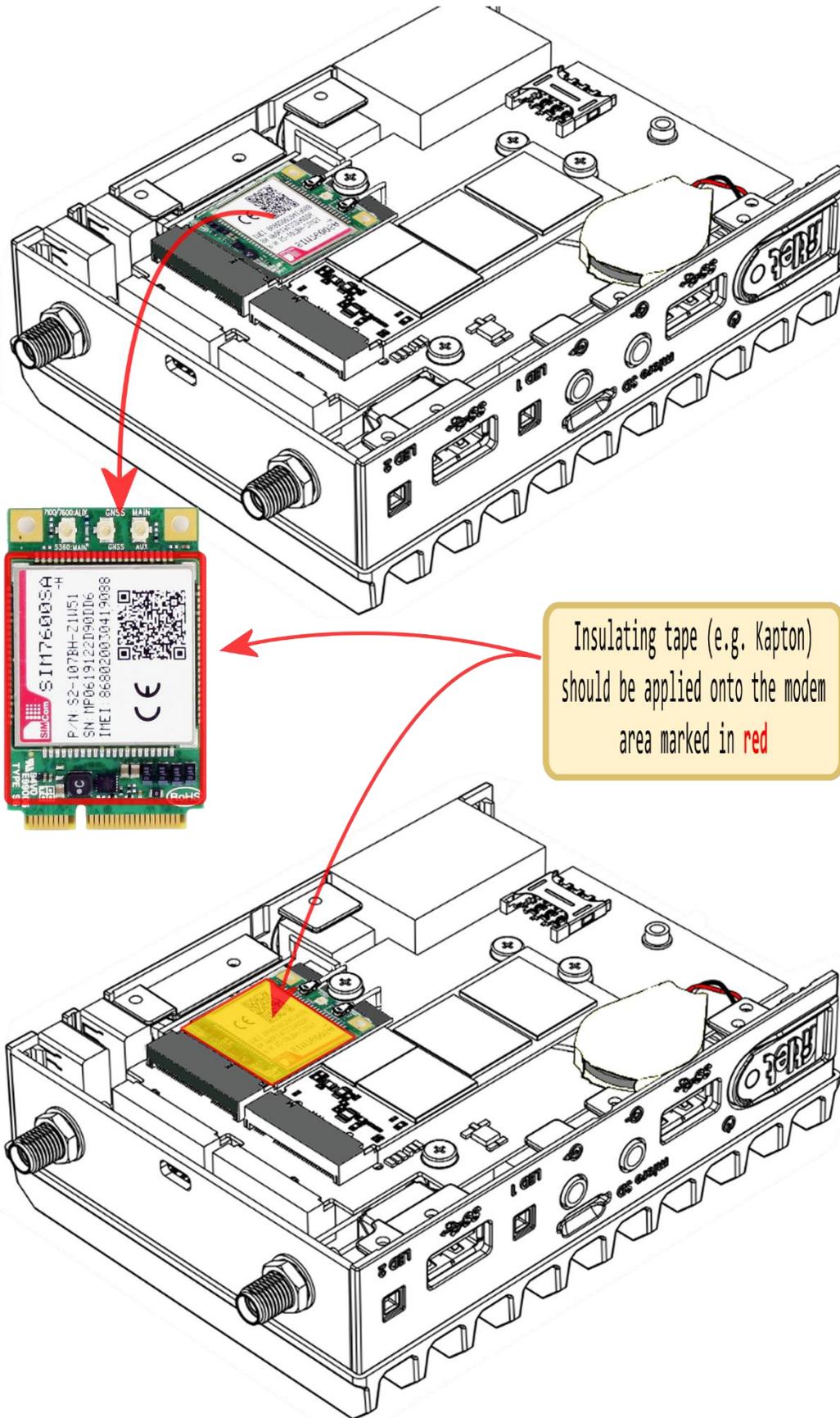
Problem description

In fitlet2 with FC-PCI, the modem is sandwiched between the FC-PCI and the fitlet2 SBC with limited clearance. Some miniPCIe modems are thick and include tall components.

Due to the limited space between FC-PCI and fitlet2-SBC, there may be a contact between components on the modem and components on the SBC which may lead to a short-circuit on either.

Solution

Before installing the modem, apply a thin insulating tape (e.g. Kapton) onto the modem as depicted below.

Note: please also pay attention to proper routing of the antenna cables from the modem so they are not pinched upon closing.

Insulating tape (e.g. Kapton) should be applied onto the modem area marked in red

Fitlet2 page

https://fit-iot.com/web/products/fitlet2/

Further information

https://fit-pc.com/wiki/index.php?title=Fit-PC_Product_Line:_fitlet2

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