

# SMARC T335X Hardware Design

## VDD\_IO\_SEL#:

**SMARC\_T335x\_Carrier\_Board\_Hardware\_Design\_Guide**  
section 3.3, Figure 37: Power Block Diagram and the text  
on the following page seem to me to show that  
**VDD\_IO\_SEL#** will turn off Module power on the Module,  
and the Carrier does not need to do this. The SCH\_SBC-  
SMART-BEE schematic shows the carrier turning off  
**VDD\_MOD** if **VDD\_IO\_SEL#** is low.

**Is the Carrier required to turn off the Module power in  
addition to the Carrier power if this signal is pulled low for  
the T335X Module?**

By SMARC 1.0 definition, if the SMARC module only support 1.8V IO, it will connect the VDD\_IO\_SEL# to GND. If the carrier board does not support 1.8V, the SMARC module won't boot up to protect the module. Our carrier board only supports 3.3V IO, it has to cut the module power down if VDD\_IO\_SEL# is connected to GND (this is the case of 1.8V SMARC module).

Unique solution ID: #1004

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