**Application Notes**

**Using TPS6594xEVM and GUI for PMIC Programming**

**and Debug on Customers Application Board**

1. **Connecting TPS6594xEVM I2C port to customer board.**
	1. To disable the PMIC on the TPS6594xEVM

Pictures below show how to remove R58 from the bottom side of the EVM to disable the PMIC on the TPS6594xEVM.

  

* 1. Connect the EVM I2C port1 to customer board.

Pictures below show where to wire the I2C port1 signals to connect to customer board.

 

* 1. Please make sure use same VIO level between EVM and customer board.

Picture below gives the option to select different VIO level on the EVM:



1. **Launch the Scalable-PMICs-GUI 2.0 tool to program or access internal registers for debug.**

 Please refer to the [Scalable-PMICs-GUI 2.0 User Guide](https://www.ti.com/lit/ug/slvubt8a/slvubt8a.pdf?ts=1632782594231&ref_url=https%253A%252F%252Fwww.ti.com%252Fsitesearch%252Fdocs%252Funiversalsearch.tsp%253FlangPref%253Den-US%2526searchTerm%253DScalable-PMICs-GUI%2B2%2B0%2526nr%253D11) for more details of checking the internal registers for debug.

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