bq27542-G1 HDQ

Enter ROM Mode

- Go to Advanced Comm on bqStudio

Enter ROM Mode

- I2C Address: 0xAA

- Start Register : 0x00

- Bytes to Write : 0x000F

- Click Write

- Change I2C Address: 0x16

Enter HDQ Mode – Command Sequence

- I2C Command 0x00: Byte 0x16

- I2C Command 0x04: Byte 0x05

- I2C Command 0x64: Byte 0x1B

- I2C Command 0x65: Byte 0x00

- Finish the programming process by exiting ROM mode and sending the following commands:

- I2C Command 0x00: Byte 0x0F

- I2C Command 0x64: Byte 0x0F

- I2C Command 0x65: Byte 0x00

TEXAS INSTRUMENTS

Enter HDQ Mode – Sending a Command

- Example:
  - I2C Command 0x65: Byte 0x00
    - I2C Address: 16
    - Start Register: 65
    - Bytes to Write: 00
    - Click Write

- Enter the commands series on the previous slide using this format.

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Enter HDQ Mode

- Device is now in HDQ mode.

- Switch port to HDQ on EVM and EV2300.

- bqStudio should detect the EVM and reflect HDQ.

TEXAS INSTRUMENTS