

BQ76952EVM with BqStudio (Ver 1.3.104) utility.

Power-up the BQ76952 EVM Board (I2C Mode is working fine)

Default values in Registers are:

1. *Battery Status* Register : 0x898C
2. Comm Type : 0x00
3. Mfg Status Init : 0x0040
4. Stack Voltage: 30V
5. Cell voltage are not given [we Kept the Cell Simulator jumper Open]

1st Method: - Chapter 9.3

SPI Communications Interface:-

1. Enter CONFIG UPDATE Mode :0x0090
2. Settings: Configuration: Comm Type : 0x10(SPI with CRC)
3. SWAP_TO_SPI : 0x7C35 or SWAP_COMM_MODE : 0x29BC (one at a time)

I2C communication is stopped with BQ Studio.

Hardware setting Changed in BQ76952EVM Board by Jumper replacements.

1. J19 (uC_SPI_CLK),
2. J16 (uC_SPI_MISO_A),
3. J10 (uC_SPI_CS),
4. J13 (uC_SPI_MOSI)

Power Reset, No communication with BqStudio.

2nd Method: - Chapter 3.2

Configuration Using OTP or Registers:

1. Enter CONFIG UPDATE Mode :0x0090
2. Settings: Configuration: Comm Type : 0x10 (SPI with CRC)
3. Mfg Status Init : 0x00D0 [OTPW_EN=1, PF_EN=1, FET_EN=1]
4. OTP_WR_CHECK= 0x00A0
5. OTP_WRITE= 0x00A1
6. Exit CONFIG UPDATE Mode :0x0092
- 7.

Our observations are

Battery Status Register : 0x8904 [on BqStudio]

Hardware setting changed in BQ76952EVM Board by Jumper replacements.

1. J19 (uC_SPI_CLK),
2. J16 (uC_SPI_MISO_A),
3. J10 (uC_SPI_CS),
4. J13 (uC_SPI_MOSI)

Power Reset, No communication with BqStudio.