

| Step | Procedure | Data Tansmit/Receive | |
|------|---|----------------------|-------|
| | | Page1 | Page2 |
| 1 | Unlock the OTP programming: Write the following data to OTP_PROG_UNLOCK1A to OTP_PROG_UNLOCK1D and OTP_PROG_UNLOCK2A to OTP_PROG_UNLOCK2D registers. - OTP_PROG_UNLOCK1A <- data 0x02 - OTP_PROG_UNLOCK1B <- data 0xB7 - OTP_PROG_UNLOCK1C <- data 0x78 - OTP_PROG_UNLOCK1D <- data 0xBC - OTP_PROG_UNLOCK2A <- data 0x7E - OTP_PROG_UNLOCK2B <- data 0x12 - OTP_PROG_UNLOCK2C <- data 0x08 - OTP_PROG_UNLOCK2D <- data 0x6F | OK | OK |
| 2 | Check to confirm the OTP unlock procedure is successful: a. Read to confirm OTP_PROG_STAT[UNLOCK] = 1 | OK | OK |
| 3 | Select the proper OTP page and start the OTP programming: a. If to be program page1, set OTP_PROG_CTRL[PAGESEL][PROG_GO] = 0x01. b. If to be program page2, set OTP_PROG_CTRL[PAGESEL][PROG_GO] = 0x03. | OK | OK |
| 4 | Wait tPROG= 100ms for the OTP programming to complete. | OK | OK |
| 5 | Check to ensure there is no error during OTP programming. The following bits are expected to be 1 after a successful OTP programming: a. OTP_PROG_STAT[DONE] = 1, OTP programming is done. No other bit will be set in this register. | OK | OK |
| 6 | Issue a digital reset to reload the registers with the updated OTP values: a. CONTROL1[SOFT_RESET] = 1 | OK | ? |
| 7 | Wait tRST = 1msec. for the soft reset to complete. | OK | ? |
| 8 | 1.Dummy Write to synchronize all daisy chain devices DLL ramp in write direction. Broadcast write OTP_ECC_DATAIN1 through OTP_ECC_DATAIN9 = 0x00(for example). | OK | ? |
| | 2.Setting Up Auto-Addressing. a.CONTROL1[ADDR_WR] = 1. | OK | ? |
| | b.DIR0_ADDR = 0x00.(for example) | OK | ? |
| | c.COMM_CTRL[STACK_DEV] = 0, COMM_CTRL[TOP_STACK] = 1. | OK | ? |
| 9 | 3.Dummy read to synchronize all daisy chain devices DLL ramp in read direction. Broadcast read to read OTP_ECC_DATAOUT1 through OTP_ECC_DATAOUT9. | OK | NG |
| | Check to confirm the OTP programming was successful: | | |
| | a. If page 1 is programmed, OTP_CUST1_STAT[LOADED], [PROGOK], [TRY], [OVOK], and [UVOK] bits are 1. Other bits are 0. | OK | |
| | b. If page 2 is programmed, OTP_CUST2_STAT[LOADED], [PROGOK], [TRY], [OVOK], and [UVOK] bits are 1. Other bits are 0. | | NG |

Unclear if it was executed correctly.
Investigate required.

If it's reset correctly, it should be processed, right?

No response from the device.
If it is reset correctly, will it be possible to receive it?