

Method and Notice for Updating the Sensitivity of NY9TP16A

Description: Method and notice for updating the sensitivity.

Reason: After bin file has been programmed to OTP IC, user can still update the sensitivity if the sensitivity is unsatisfactory. There are two chances to update at most.

Solution: To update the sensitivity of NY9TP16A, user has to put the OTP IC on the OTP_Writer, open *Q-Writer* on PC and select Update Sensitivity of Function menu, and choose a new t9x file which is generated by *Q-Touch*, then press Program to write to OTP IC. There are several precautions listed as follows:

1. Only the version 3.20 or later of *Q-Writer* can support the function of Update Sensitivity.
2. Beware of these 6 pins: PE0, PE1, PE2, Radj, VDD, GND which are programming pins, and do not connect any components including resistance and/or capacitance to them before programming.
3. The conditions of new t9x file must be the same as original t9x file, such as Touch-Key Number, Scan Mode, Anti-Interference, and Scan Count X2/X4.
4. Only support online programming. Offline programming is not available.
5. User can only have two chances to update the sensitivity at most. If the sensitivity is updated the third times, an error message will pop-up: Error! The sensitivity has been programmed 3 times, and can't be programmed again!

The picture of updating T9X file of *Q-Writer* is as follows:

