

NY8L SPI Flash Application Notice

Description: NY8L enables the SPI function. In standby or sleep mode, SDI affects the standby current due to the floating state.

Reason: The SPI function of NY8L series is enabled or disabled by using option. When the SPI is enabled, its corresponding GPIO configuration will remain in SPI mode, and the configuration cannot be changed through the program. SPI interface configuration is as follows:

CSB: Output

CLK: Output

SDO: Output

SDI: Input Floating (This interface will remain floating state when the SPI Flash is not active.)

Because of the component characteristics of SPI Flash, there are multiple SPI Flash parallel connections. Therefore, when the CSB signal is not enabled, all the pin states of the SPI Flash will be floating, and the NY8L SDI interface will remain floating state.

Solution: When the SPI function is enabled, it is recommended to connect a pull-up resistor to the SDI interface (1MΩ).

