



Application Note of IT8761F for Power On Strapping Circuit

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➤ **Power on strapping circuit needs extra attention when a “0” setting is selected**

Description: Due to IT8761 Rev. B power on strapping pins selection, a “0” setting may not be strapped in correctly.

Cause: IT8761 chooses TXD1 and RTS1# pins for power on strapping setting, since these two pin also connect to 1488/1489 type line driver and some of the line driver internally have +12V pull up with a 11K ohm resistor, this will cause the “0” setting not correctly strapped.

Suggestion: (1) Choose a small enough value pull down resistor to make the strapping line voltage below 0.5V when system is reset. A suggested resistor value is 680 ohm.
(2) Implement a redundant gate between IT8671 and line driver to isolate the interfere of the internal pull up of 1488/89 line driver as following circuit.

