

Circuit Description

When the NPX series sensors have checked out that the pressure in the tire is larger than 0.2 Bar, it will perform the temperature and pressure measurement and store the data in the Flag register, about each 30 seconds it transmits the temperature and pressure data the receiver in normal mode. Before the data is transmitted, NPX will enable the ATA5754 via setting pin P11 high, the data is Manchester code and modulated in FSK, through changes the pin P17's input & output state and level to control crystal's load capacitance and make frequency deviation happen to achieve FSK modulation. After transmit successfully, the NPX will be in Power down mode and disable the ATA5754 in order to save battery power.