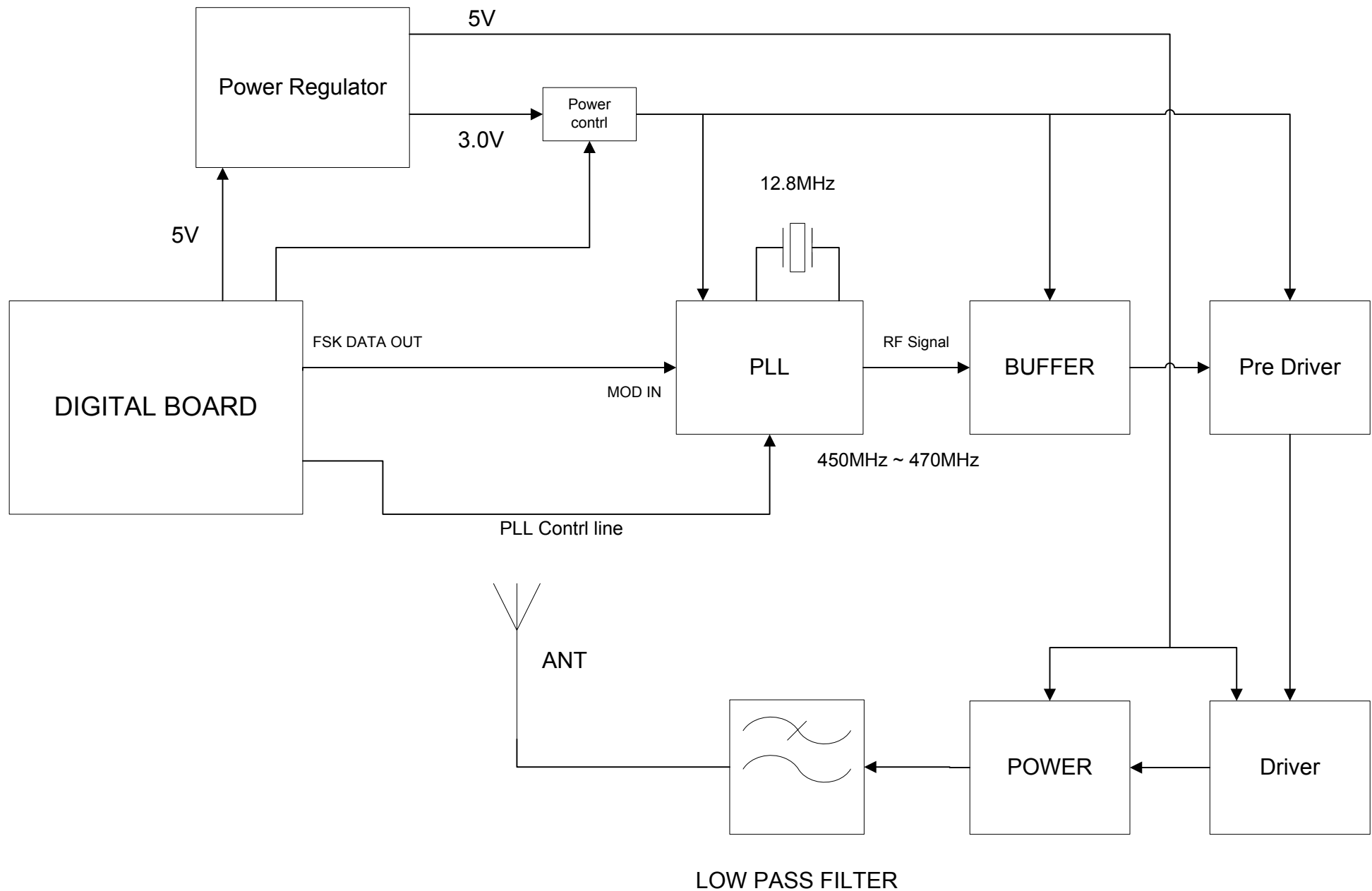
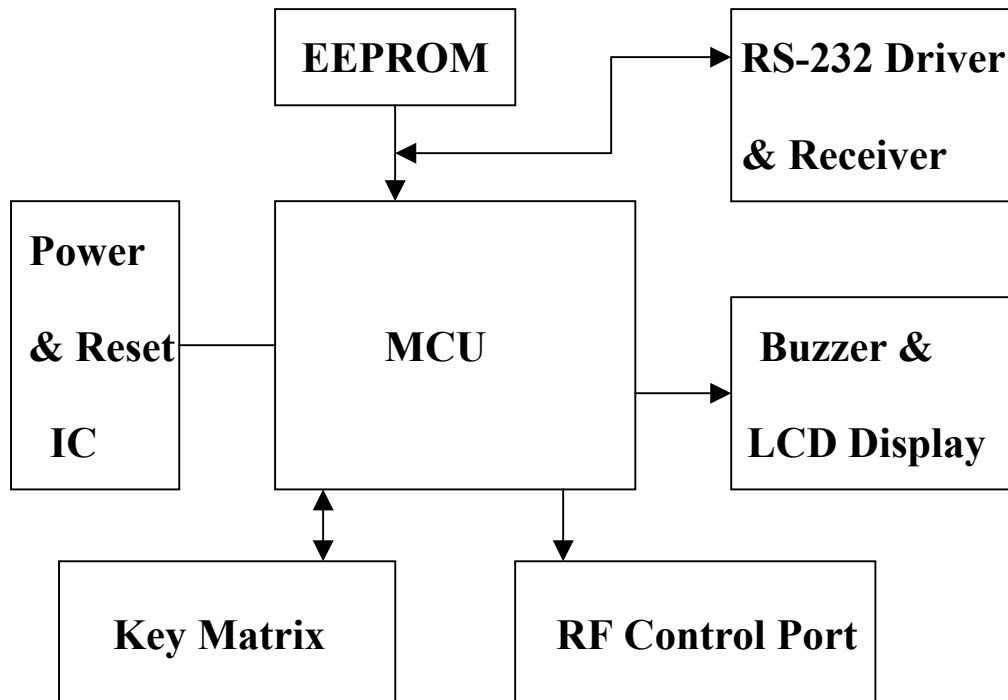


# TE-205 RF BOARD BLOCK DIAGRAM



## TE-205 BLOCK DIAGRAM OF DIGITAL BOARD



1. **MCU:** Mitsubishi 8-bit single-chip microcomputer 74 family M38223 has the LCD drive control circuit, A-D converter and the serial I/O. The main clock is 4.9152MHz and the sub-clock is 32.768KHz.
2. **EEPROM:** The EEPROM is for storing some parameters like CAPS CODE, Baud Rate, Function bit. During RESET procedure, the contents of EEPROM will be read into RAM of MCU.

3. Power & Reset IC: There is Regulator 7805 to convert external plug-in DC power into 5-V for whole system.  
  
The Reset IC is a voltage detector. When voltage rising above the trigger voltage, it will send out Reset signal to MCU.
4. Key Matrix: There have 15 keys at the front panel of the case, 10 numeric keys from 0 ~ 9, +,-,C,AC and SEND key.
5. RF Control Port: These control signals have been used as Setting RF transmitter on and PLL programming.
6. Buzzer & LCD Display: There are key tone and some warning tone generating from buzzer and LCD Display  
  
Will show the Pager no. or numerical message on the screen.
7. RS-232 Driver & Receiver: The line Driver/Receiver is intended for RS-232 communications interface between this device and PC, used for writing EEPROM and transmitting message via this device from PC.