```c
/***************************************************************************

  Header file for FarmerRXSM

 ***************************************************************************/

#ifndef FarmerRXSM_H
#define FarmerRXSM_H

#include "ES_Configure.h"
#include "ES_Types.h"

// Public Function Prototypes

typedef enum {WaitForFirstByte,
                                    WaitForMSBLen,
                                    WaitForLSBLen,
                                    AcquireData,
                                    Waiting2Rec,
                                    Receive
                                    } FarmerRX_State_t;

bool InitFarmerRXSM ( uint8_t Priority );
bool PostFarmerRXSM( ES_Event ThisEvent );
void setPair(void);
void setUnpair(void);
ES_Event RunFarmerRXSM( ES_Event ThisEvent );
void FarmerRX_ISR( void );
void RXTX_ISR( void );
uint8_t getHeader(void);
uint8_t getAPI_ID(void);
uint8_t getDogAddrMSB(void);
uint8_t getDogAddrLSB(void);
uint8_t getDataByte(uint8_t index);
uint8_t getGyroZ_MSB(void);


#endif /* FarmerRXSM_H */
```