

MOTOR/MOTOR DRIVER



Initialize System

Initialize SPI
Communication

Initialize EUSART



Handle EUSART
Command

Command Check

Command Not Activated
(Automatically Activate
Command 1)

Command Activated

Command 1

Command 2

Set CS Low

Set CS Low

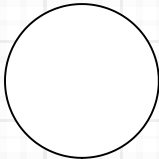
Activate Fan
(Data Exchange 1)

Activate Exhaust
(Data Exchange 2)

Set CS High

Set CS High

Main Loop



Initialize Systems

Start communications

Read temp sensor

Interrupt

If button pressed

system off

read temp sensor

transmit data

if Temp > 98F

Motor driver

read Humidity sensor

transmit data

if Hum > 30%

Motor driver

read Humidity sensor