

Sheet1

MCLR	Master Clear
RA0	N/C
RA1	N/C
RA2	Power On/Off the LCD module
RA3	Indication LED, door and engine hood alarm is active
RA4	N/C
RA5	Indication LED, LCD module error happened
RE0	Normally high, when the PIC is burned, this pin goes low
RE1	Close the car ignition circuit, and lights indication LED
RE2	Releases siren when somebody is trying to open the door/engine hood
RC0	LCD back-light positive supply
RC1	LCD control, Register Select (RS)
RC2	LCD control, Read/Write (R/W)
RC3	LCD control, data Enable (E)
RC4	LCD data
RC5	LCD data
RC6	LCD data
RC7	LCD data
RD0	Keypad data
RD1	Keypad data
RD2	Keypad data
RD3	Keypad data
RD4	Keypad data
RD5	Keypad data
RD6	Keypad data
RD7	Keypad data
RB0	Door and engine hood alarm On/Off signal
RB1	N/C
RB2	N/C
RB3	N/C
RB4	The user turned the car key on
RB5	The door is being opened
RB6	The engine hood is being open
RB7	N/C

to enable the car to operate normally through the P-channel MOSFET.

Can be connected to a transistor then to the LCD

Needs a pull-up resistor

Needs a pull-up resistor

Needs a pull-up resistor

Needs a pull-up resistor

When pulled low, toggle the alarm state. Internal pull-up is active

Internal pull-up is active

Internal pull-up is active

Internal pull-up is active

When pulled low, the user is turning the key. Internal pull-up is active

When pulled low, someone is trying to open the door. Internal pull-up is active

When pulled low, someone is trying to open the engine hood. Internal pull-up is active

Internal pull-up is active