

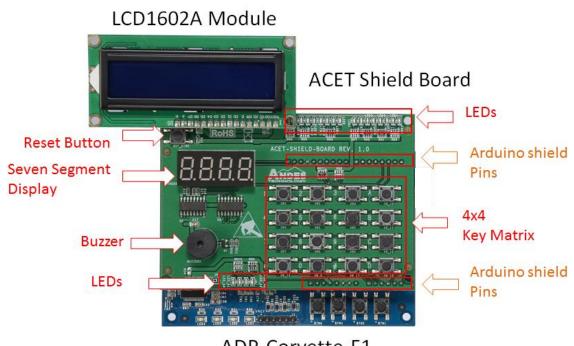
Corvette F1 Lab 4 4*4 Keypads 與 LCM 顯示器

Driving Innovations™



Lab 4 of Corvette F1

- ◆ Target:
 - ➤ Control 4*4 Keypads 讓 LCM 顯示數字
- ◆ Hardware requirements:
 - ➤ Corvette F1
 - > ACET Shield Board
 - > LCD1602A
 - > Micro-USB
- ◆ Software requirement
 - > Arduino software v1.6.5



ADP-Corvette-F1



Lab 4

◆ Import Sample Code

➤ Run "Arduino IDE" program → Select "File" → "Open" →

"Keypads_LCM"

```
File Edit Sketch Tools Help
  Keypads LCM
//Sample using LiquidCrystal library
#include <LiquidCrystal.h>
 /*********************
This program will test the LCD panel and the buttons
Mark Bramwell, July 2010
*************************************
// select the pins used on the LCD panel
LiquidCrystal 1cd(8, 9, 4, 5, 6, 7);
char KeyValue[]={'1','2','3','A','4','5','6','B','7','8','9','C','*','0','#','D'};
byte Row=0, Col=0;
void setup() {
  // put your setup code here, to run once:
  pinMode(10, INPUT); //R1: S1,S2,S3,S4 (1,2,3,A)
  pinMode(11, INPUT_PULLUP); //R2: S5,S6,S7,S8 (4,5,6,B)
  pinMode(12, INPUT_PULLUP); //R3: S9, S10, S11,S12 (7,8,9,C)
                                                     Corvette-F1-N25 on COM5
```



Lab 4

Result

▶按 其中一個 4*4 Keypads 讓 LCM 顯示數字及位置

