LCC Demo Board

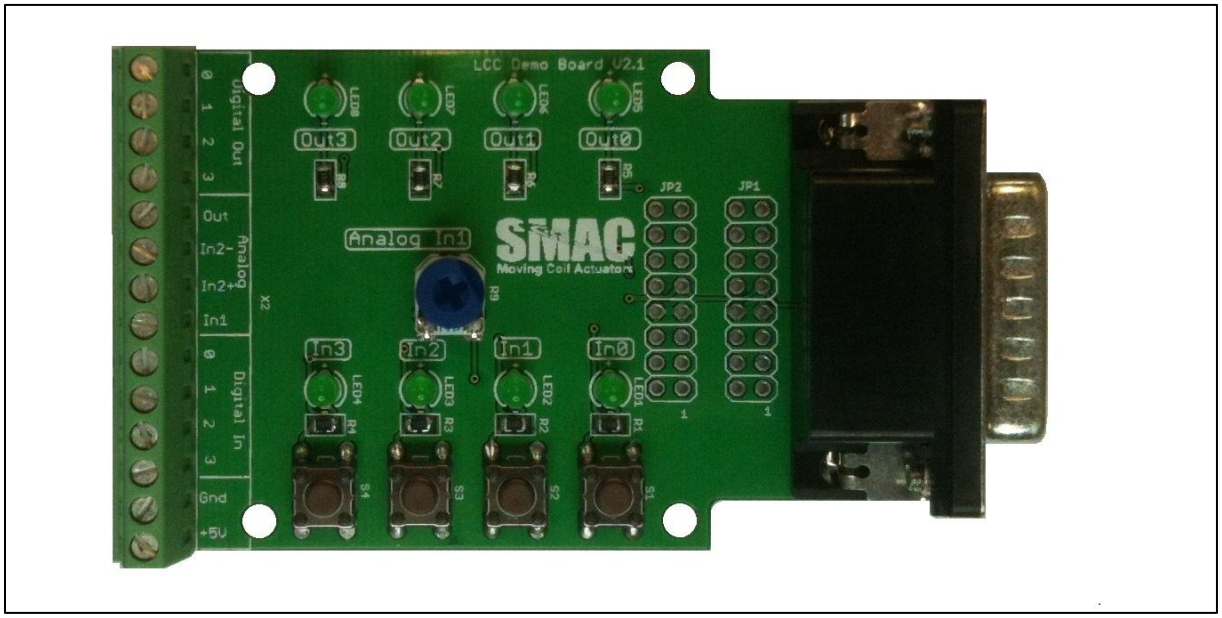
Functionality

The LCC Demo Board is developed to enable the user to test the application program without connecting the I/O's to the actual application. This is also useful for training.

Note that the board is not industrial, don't use it in an actual application since the Dsub 26 pins that connects to the LCC has no screws to secure the connection.

The LCC Demo Board has the following functions:

- Switches that can be used to force digital inputs.
- LED's that show the status of digital inputs and outputs
- A potentiometer that provides a 0 to 5 Volt input for analog input 1
- A terminal block that serves as a breakout for the 26 pole I/O connector to connect external devices.



Electrical Connections

X2, Terminal block:

The terminal blocs can be used to perform I/O communication to other devices as test or demo.

X2 Terminal number	Signal
1	Digital Output 0
2	Digital Output 1
3	Digital Output 2
4	Digital Output 3
5	Analog Output
6	Analog Input 2-
7	Analog Input 2+
8	Analog Input 1
9	Digital Input 0
10	Digital Input 1
11	Digital Input 2
12	Digital Input 3
13	Ground
14	+ 5 V

Warning: If you connect an external digital output to a digital input you are not allowed to push that input button since you could short circuit and damage the external device.

If you connect an external voltage to the Analog input 1 then make sure that the wiper of the potentiometer (R9) is in its mid position or remove the potentiometer from the board.

For electrical specification of the inputs and outputs see the LCC product manual

Note that the LCC demo board has internal pull-ups on the digital inputs and outputs to +5Volt for the LED's that take 2 mA.
The pull-ups will force a logical high on the LCC inputs when not connected. To force a logical low on the input push its button or connect its input terminal to ground.