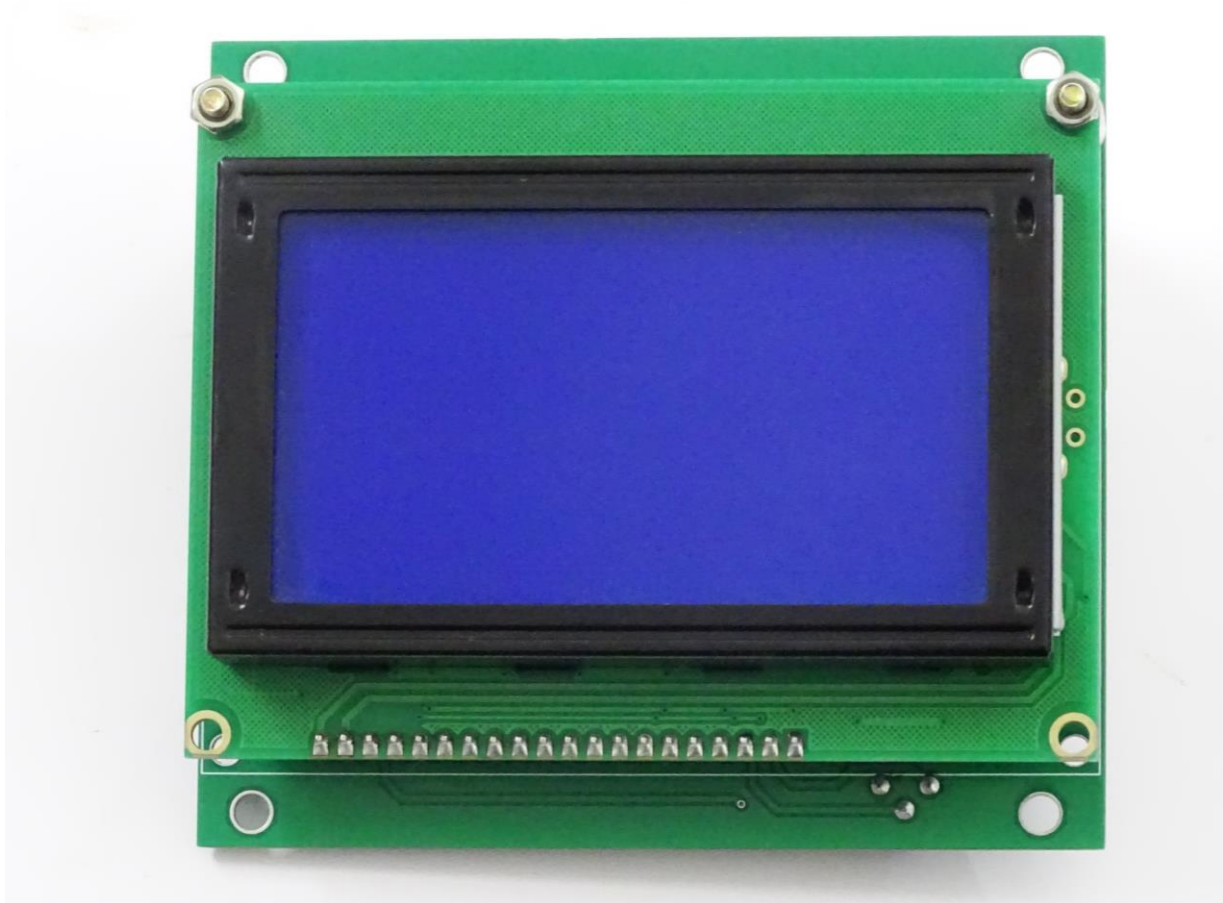
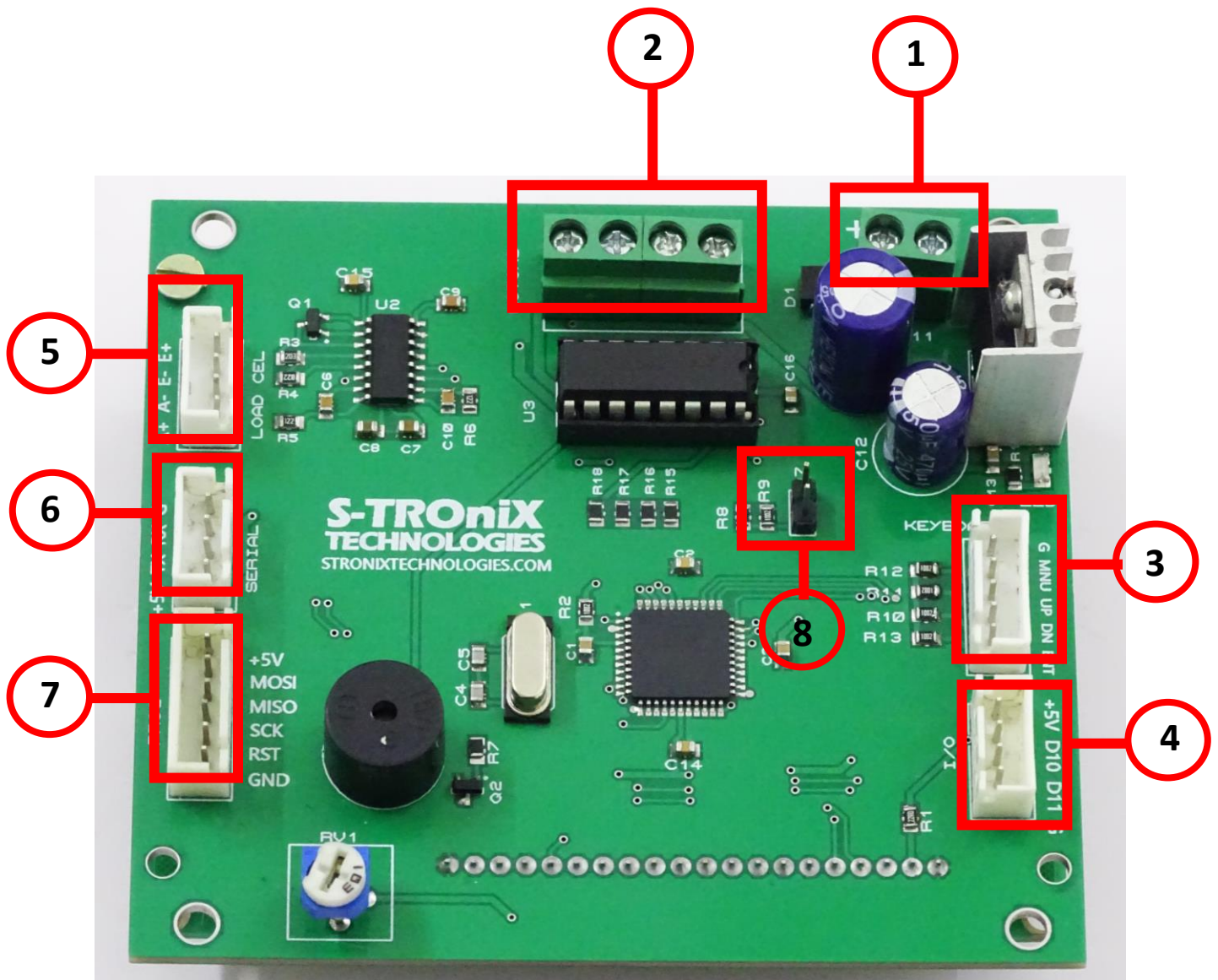


Hardware:



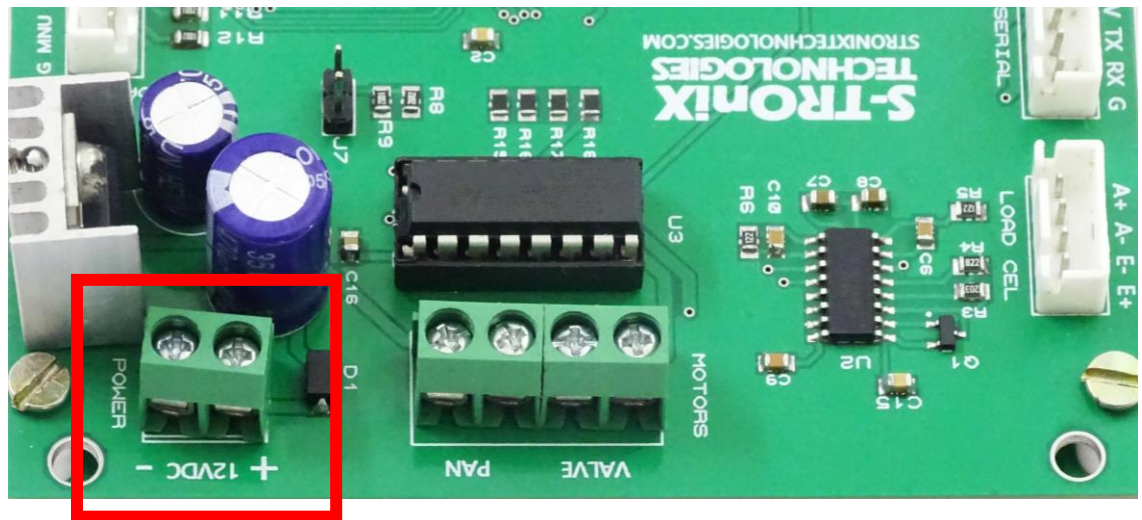
Front View



Back View

1. Power Connector 12Volt DC
2. Motor Terminal (Pan & Plunger)
3. Keyboard Connector
4. I/O Connector
5. Load Cell Connector
6. Serial Port Connector
7. Programming Connector
8. Power Icon Swapping Jumper

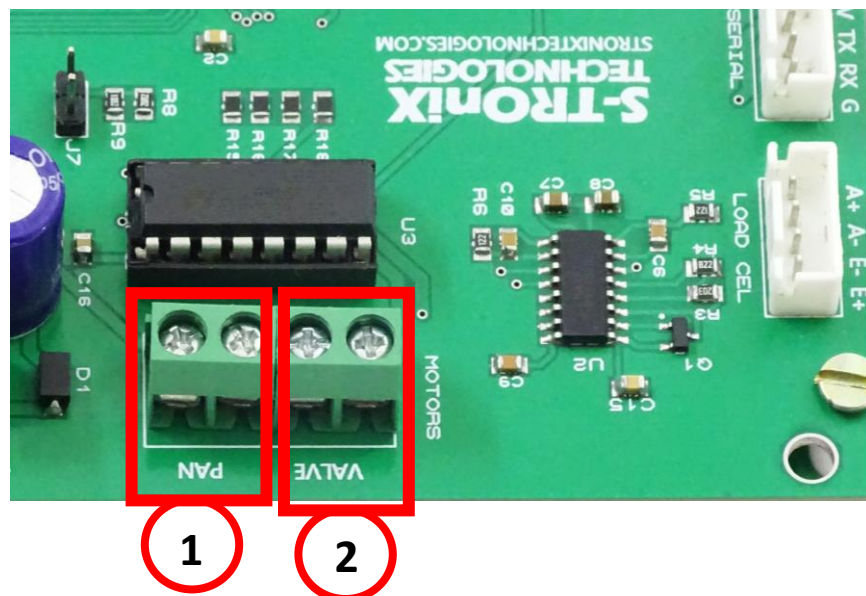
- Power Connector 12Volt DC



Connect DC 12 Volt Power source here in red highlighted connector. Battery or SMPS.

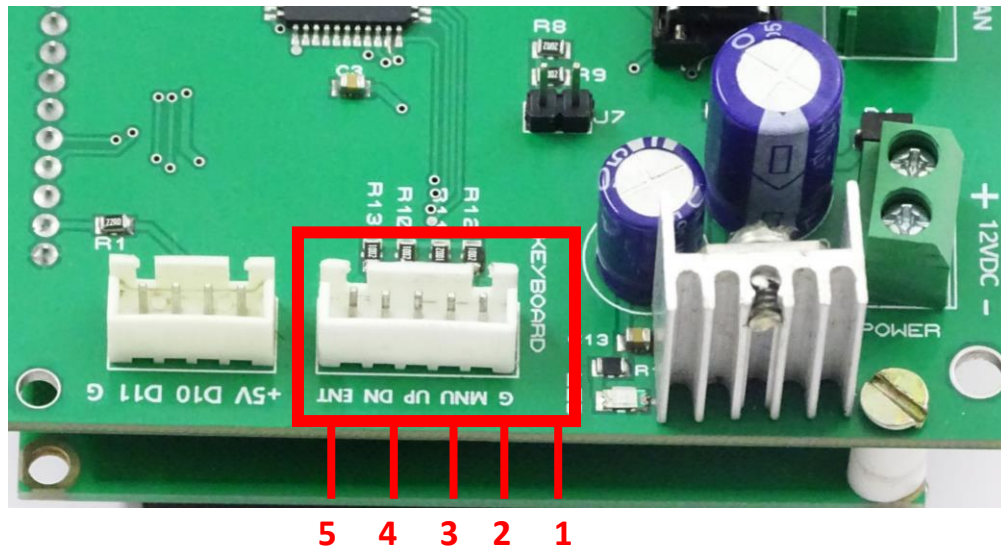
***Do not connect power in reverse polarity.**

- Motor Terminal (Pan & Plunger)



1. Connect Pan Motor in 1st Block
2. Connect Plunger/Valve Motor 2nd Block

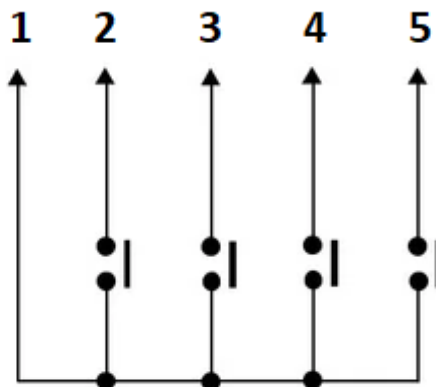
- **Keyboard Connector**



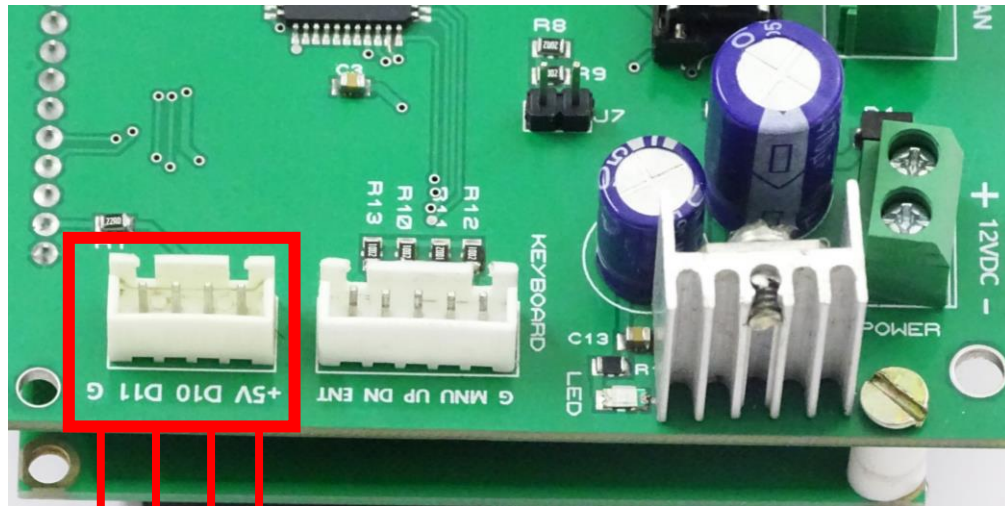
Connect Keypad here

1. Ground or Common terminal/Pin
2. Menu/Reset key Pin
3. Up/Pause Key Pin
4. Down/Stop key Pin
5. Enter/Start key Pin

Keypad Circuit Diagram



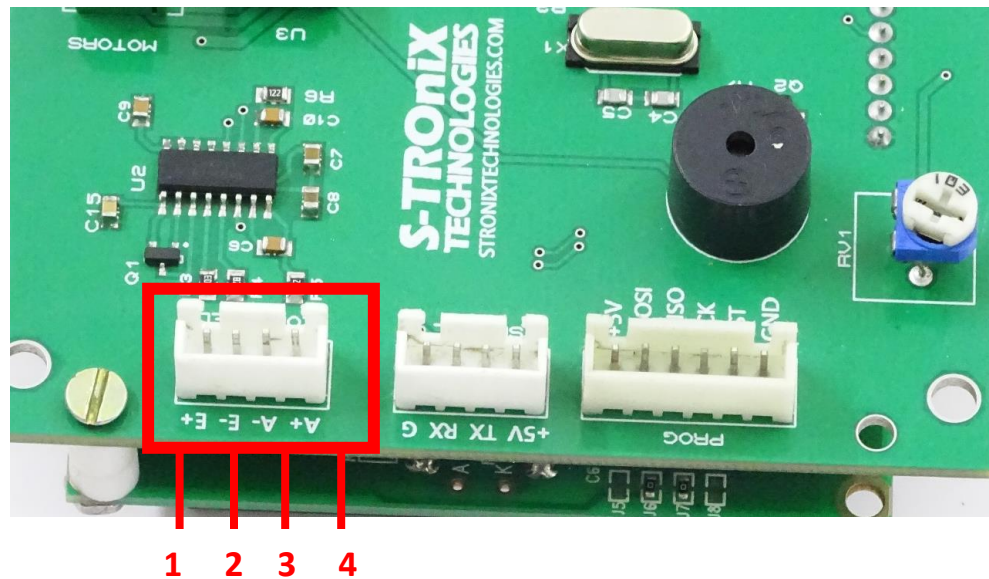
- I/O Connector



4 3 2 1

1. 5Volt output
2. Digital Input/Output Pin 10
3. Digital Input/Output Pin 11
4. Ground pin

- **Load Cell Connector**



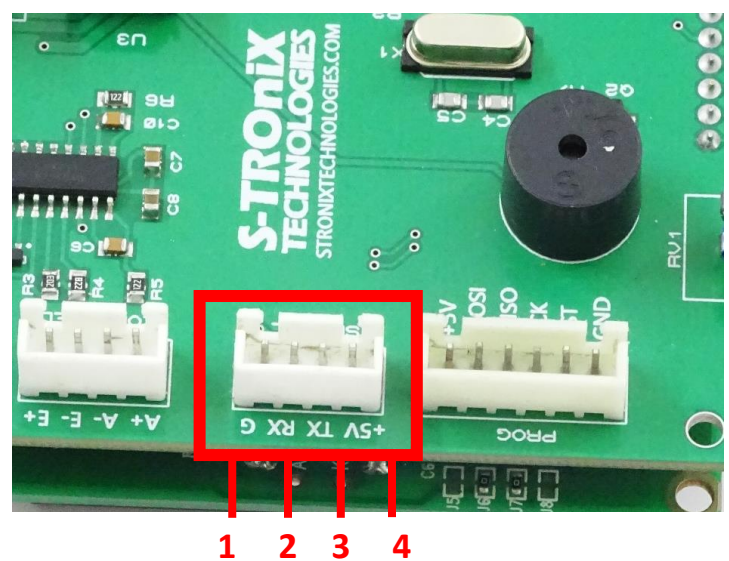
Connect Load Cell Here

1. E+ -----> Red wire From Load Cell
2. E- -----> Black wire From Load Cell
3. A- -----> White wire From Load Cell
4. A+ -----> Green wire From Load Cell

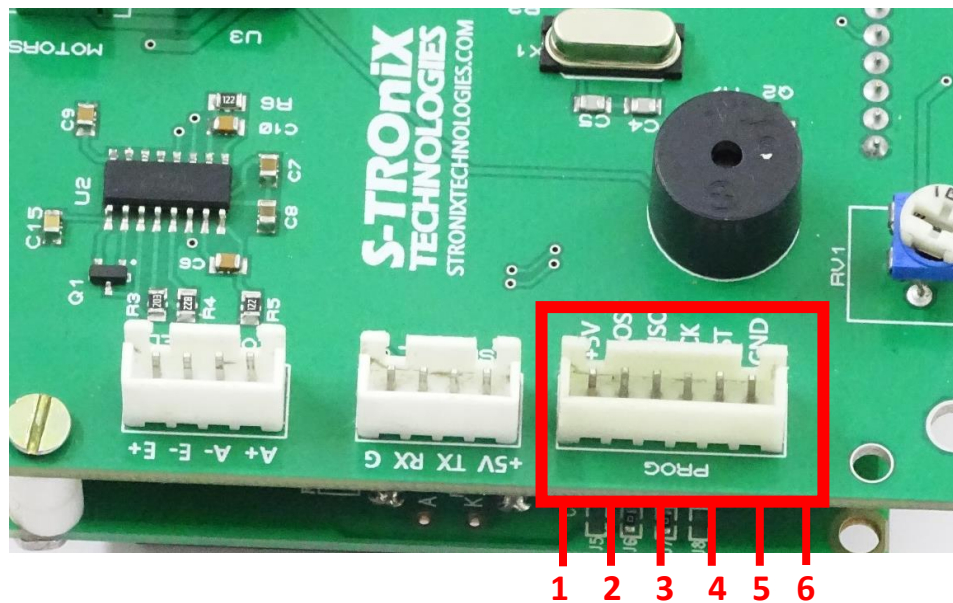
- **Serial Port Connector**

Serial Port For Debugging And External Communication

1. Ground Pin
2. RxD Pin
3. TxD Pin
4. 5 Volt Out Pin



- **Programming Connector**



Programming Port only use for developer and Board Manufacturer.

1. 5 Volt Pin
2. MOSI Pin
3. MISO Pin
4. SCK Pin
5. RESET Pin
6. Ground Pin

- **Power Icon Swapping Jumper**

Jumper J7 is use for Swapping Power Icon.

1. If you want to use this board in battery powered machine, keep this jumper open. This will show the battery icon on top right corner of the screen.
2. Close or Short this jumper if you want to use this board for AC Wall powered machine,

