1. **Arduino Calculator using 4\*4 Keyboard**
2. **Block Diagram**

4\*4 Keyboard

16\*2 LCD Display

Microcontroller

1. **Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **s.no.** | **Discription** | **Name** | **Type** | **Data Direction** | **Specification** | **Remarks** |
| **1.** | **lcd** | 16\*2 LCD Display | output | DO | 5VDC |  |
| **2.** | **Keypad** | 4\*4 Keyboard | Input | DI | NA |  |

1. **Flow Chart**

START

Initialize the Keyboard And LCD In Arduino

Detecting\_Buttons==(A|B|C|D)

YES

LCD-Your Arthimatic Output is:-(Result)

NO

LCD-Enter a valid Detecting Button between A&B&C&D

1. **C Code**
2. **Circuit and Simulation**