



SOVY

Digital Calculator PO1_DGC_CRS

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1. Document Status

Name	SOVY
Version	1.2
Status	Proposed
Author	HMM, AAF
Date	14/2/2021

2. Document History

Version	Author	Date	Change
1.0	HMM - AAF	12/2/2021	Initial Creation.
1.1	HMM - AFF	13/2/2021	Adding system requirements.
1.2	HMM - AFF	14/2/2021	The buzzer tune is fired when button is released.

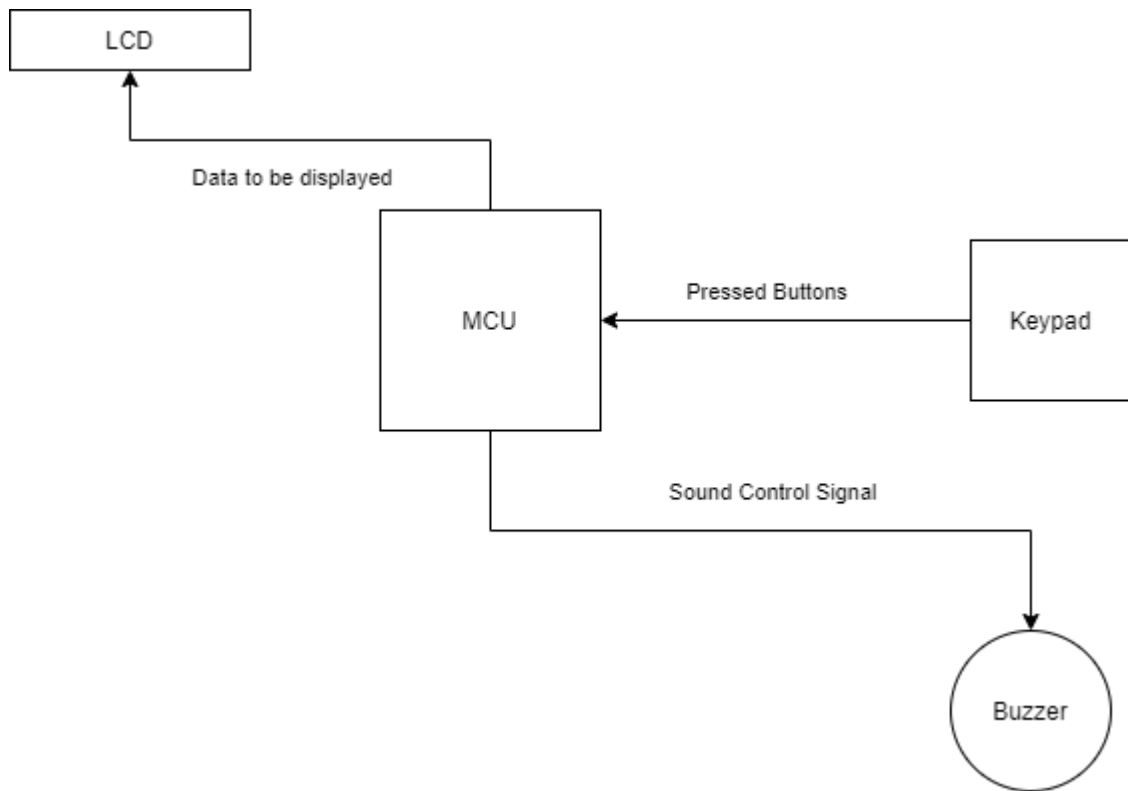
3. Reference Documents

Ref. No.	Doc. Name	Version	Status
1	PO1_DGC_CR_DigitalCalculator	1.0	Released

4. Project Description

“Sovy” is a simple digital calculator that performs basic mathematical operations and displays the operation on an LCD-screen, with an ON/OFF button and keypad for user input.

5. System Context Diagram



6. System Requirements

Req_ID:	Req_1ST123_CRS_overall_001-V1.0	Covers:	Covers_1ST123_CR_overall_02-V1.0
Description:	The user should interface with the calculator through the keypad		
Test Scope:	VTD		

Req_ID:	Req_1ST123_CRS_overall_002-V1.1	Covers:	Covers_1ST123_CR_overall_01-V1.0
Description:	Calculator should have keypad buttons : 1) Four buttons for: add, subtract, multiply and divide operations. 2) One push button for: turn-on/turn-off the calculator. 3) Ten buttons for: numbers from zero to nine. 4) One button for clear.		
Test Scope:	VTD		

Req_ID:	Req_1ST123_CRS_overall_003-V1.0	Covers:	Covers_1ST123_CR_overall_03-V1.0
Description:	<p>The display should be like this example:</p> <p>operation, number and result should be displayed like this</p> <pre> 5+5 10 </pre>		
Test Scope:	VTD		

Req_ID:	Req_1ST123_CRS_overall_004-V1.1	Covers:	Covers_1ST123_CR_overall_04-V1.1
Description:	A tune with frequency 500 HZ should be fired from a buzzer whenever a button is released.		
Test Scope:	VTD		