<TIMER 0>

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| **Document Name** | <ADC module> |
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# Introduction

*This module helps reading making the data show on LCD be smoother for the human eye .*

## Document Scope

TIMER 0 description for further use.

## Goals and Objectives

This module helps user to read the timer passed from enabling the timer on the MC to a certain time

“1 sec ” before resetting the timer .

## Context Diagram

*Add the Control Flow Diagram of the system here*

Figure 2 : Control Flowdiagram

|  |  |  |  |
| --- | --- | --- | --- |
| ***API*** | ***Description*** | ***Inputs*** | ***Return Value*** |
| **Void TIM0\_voidInit**(**void)** | Enabling features for using TIM0 component | N/A | N/A |
| U32 TIM0\_u8ReadOF(void); | Returning the passed time | N/A | N/A |

# Design Constraints

## Constraints on Initialization

Supports only atmega32

## Constraints on Inputs

N/A

## Constraints on Outputs

Time calculated can’t be more than 20 minutes , then the timer will be reset

## Communication/Network Constraints

N/A

## Diagnostic Constraints

N/A