# How to build

# Interaction

## Definitions that can be changed

Number of samples generated



Length of buffers

Length of filter

Filter values

Number of values to get mean and variance from.

## Task Indication LEDs

The following LEDs are toggled when the code is performing their functionality. LED3 and LED6 will both be flashing from the start, whereas LED4 and LED8 will wait for their input buffers to fill up before flashing.

|  |  |
| --- | --- |
| LED Number | Task Name |
| LED3 | GenerateData |
| LED6 | InputData |
| LED4 | FilterData |
| LED8 | CalculateValue |

## User button LEDs

|  |  |
| --- | --- |
| LED Number | Calculation being logged |
| LED5 | Mean |
| LED7 | Variance |
| LED5 and LED7 | Mean and Variance |

# Getting the output

Using the debugger screen