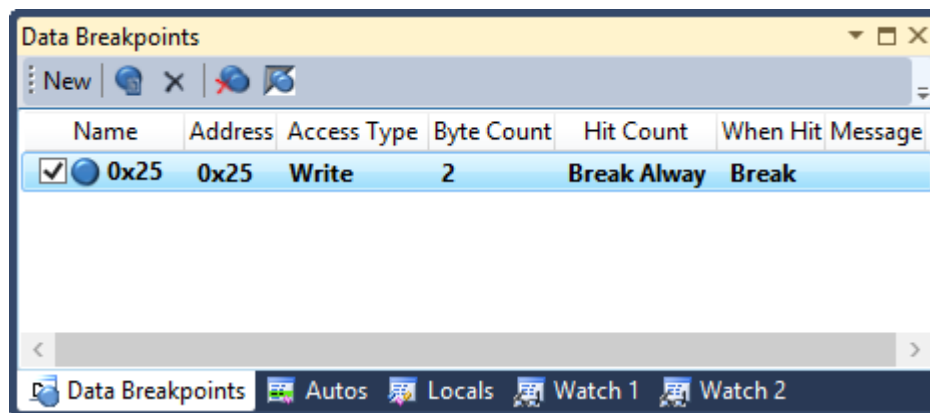


Live Data Viewer:

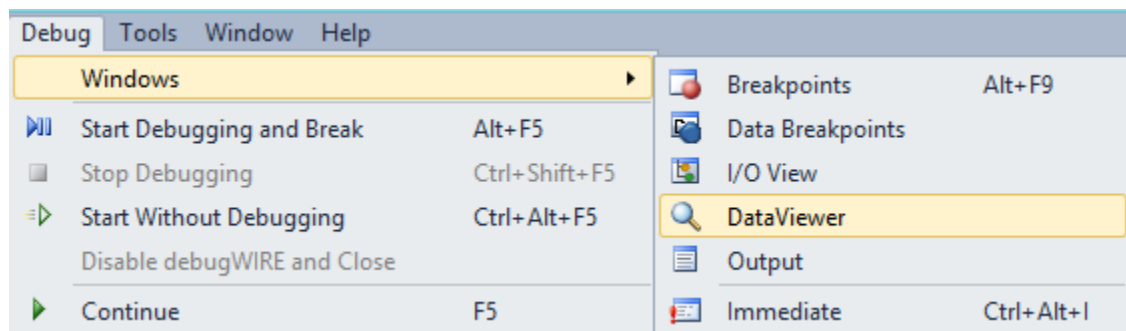
Live data viewer is an extension for **Atmel Studio 6.2**. that can be used to watch the live debug data in a graphical view. It can be used to watch variables, Registers, or bits of a register in a graphical manner. It is based on Data Breakpoints.

Adding Graph:

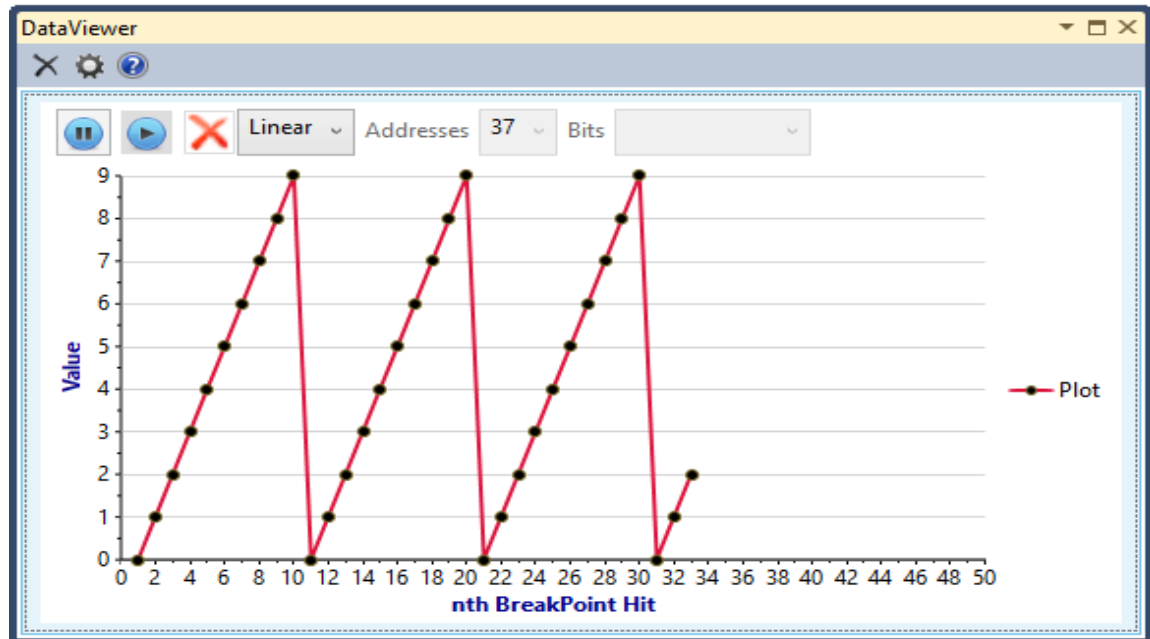
- 1) Add a DataBreakPoint.



- 2) A graph will be added in the DataViewer Window.

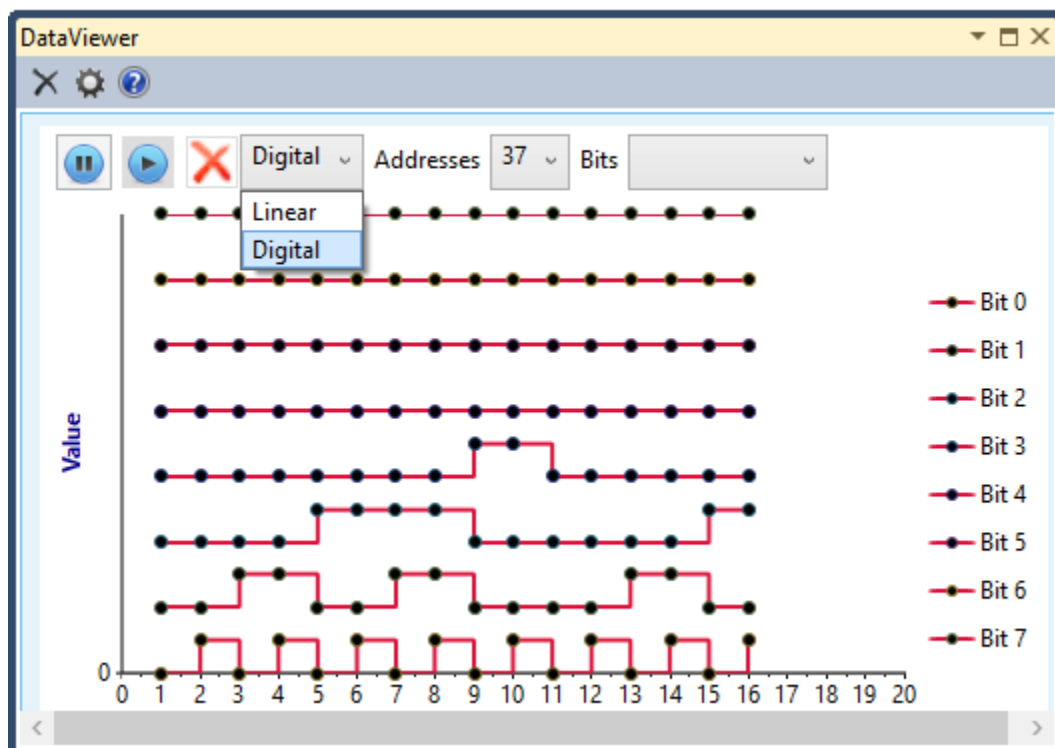


- 3) On Running the code, the changes in the added variable or Register or Bit can be watched in the graph.



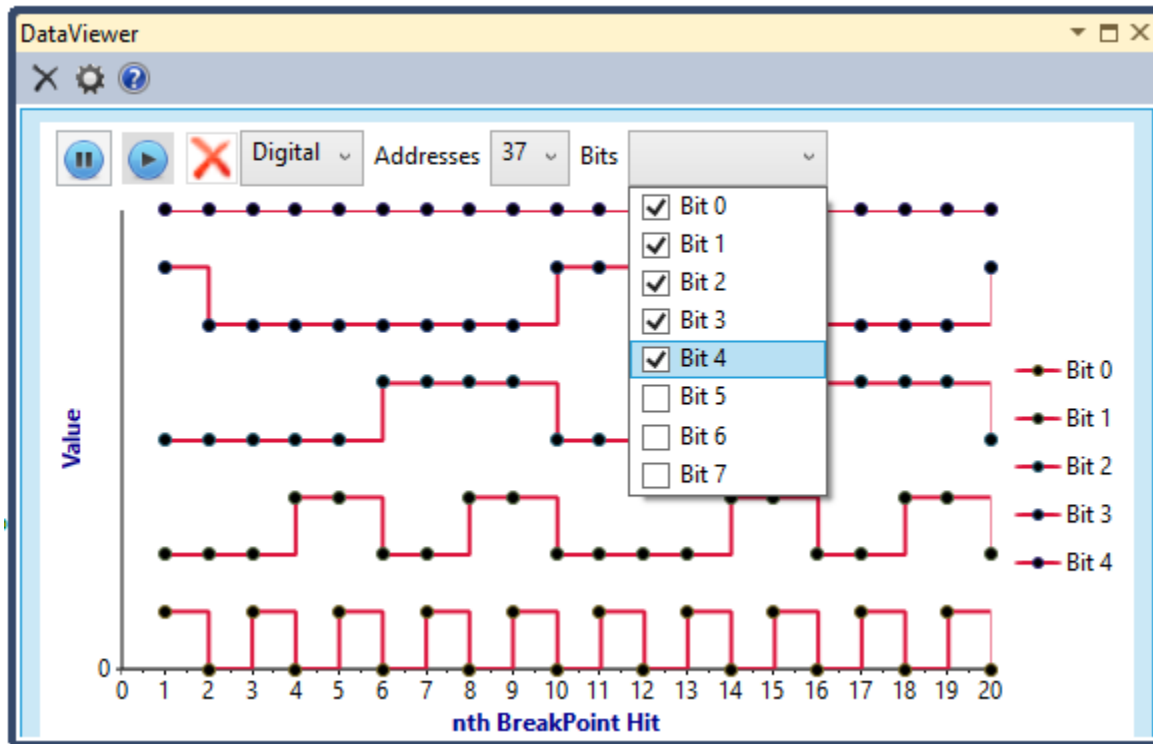
Analog View/ Digital View:

The graph can be used to watch the value of a variable or register in either analog or digital waveform formats. It can be done by selecting the linear/Digital buttons in the drop down box.

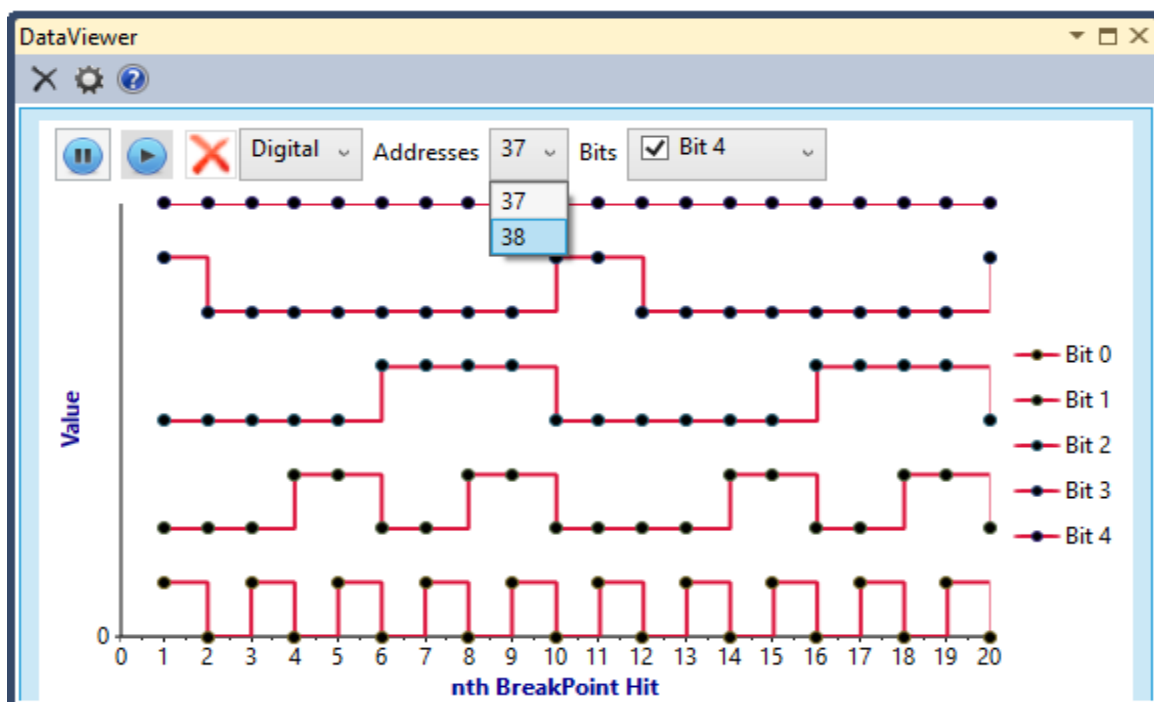


Watching a Particular Bit of a Register:

Apart from watching the changes of the entire register, selected bits can be added to the graph. This can be done by selecting the particular bits in the last drop down box.



Switching between Addresses:



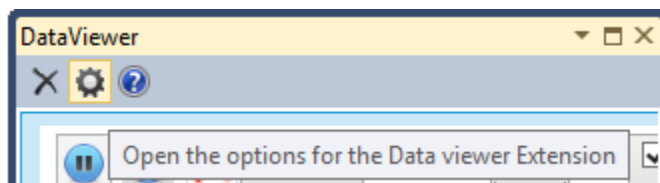
The second drop down specifies the address of the variable that is currently watched. The addresses will be listed Based on the byte count set for the DataBreakPoint. For eg: If byte count is set as 2, then two addresses will be listed.

Continuous Run & Break :

The following buttons can be used to Break/Continuous live Run/Delete the graph from the window.



Settings:



This button is used to open the settings dialog of the data viewer extension. Graph axis limits and marker colours can be changed.

