

# DOCUMENTATION

Functionality	Wave form	Using verilator
Start -> Pause -> Resume		<pre> STOPWATCH IDLE   T= 1   TIME=00:00 STOPWATCH IDLE   T= 2   TIME=00:00 STOPWATCH RUNNING   T= 3   TIME=00:00 STOPWATCH RUNNING   T= 4   TIME=00:01 STOPWATCH PAUSED   T= 23   TIME=00:20 STOPWATCH PAUSED   T= 24   TIME=00:20 STOPWATCH PAUSED   T= 32   TIME=00:20 STOPWATCH RUNNING   T= 33   TIME=00:21 STOPWATCH RUNNING   T= 34   TIME=00:22 STOPWATCH RUNNING   T= 35   TIME=00:23 </pre>
Rollover from 59->0 and minute increment		<pre> STOPWATCH RUNNING   T= 70   TIME=00:58 STOPWATCH RUNNING   T= 71   TIME=00:59 STOPWATCH RUNNING   T= 72   TIME=01:00 STOPWATCH RUNNING   T= 73   TIME=01:01 STOPWATCH RUNNING   T= 74   TIME=01:02 STOPWATCH RUNNING   T= 75   TIME=01:03 </pre>
Running -> Reset -> Start again		<pre> STOPWATCH RUNNING   T= 74   TIME=01:02 STOPWATCH RUNNING   T= 75   TIME=01:03 STOPWATCH RUNNING   T= 76   TIME=01:04 STOPWATCH IDLE   T= 77   TIME=00:00 STOPWATCH IDLE   T= 78   TIME=00:00 STOPWATCH RUNNING   T= 79   TIME=00:00 STOPWATCH RUNNING   T= 80   TIME=00:01 STOPWATCH RUNNING   T= 81   TIME=00:02 </pre>