PWM output can be generated by either the PWM modules or the General-Purpose Timer Modules (GPTMs)

1. **PWM output generated by the PWM modules**

**Sample project -** “PWM\_sample.rar”

This sample project compiled and worked in the Keil uVision IDE.

|  |
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| **Tiva Pin Configuration** |
| PD0 (M1PWM0; PWM output) |
| PF0 (SW2; GPIO input) |
| PF4 (SW1; GPIO input) |

Explanation of this sample project:

* **Getting Started with the Tiva™ TM4C123G LaunchPad Workshop Student Guide and Lab Manual – Lab 15**
* “TM4C123G\_LaunchPad\_Workshop\_Workbook.pdf”

1. **PWM output generated by the GPTMs**

Here is a reference: <https://sites.google.com/site/luiselectronicprojects/tutorials/tiva-tutorials/tiva-general-purpose-timers/timer-pwm---rgb-led>