# Bit assignment register: *PWM\_config* Date: 26/6/20 Version: 0.2

|  |  |  |
| --- | --- | --- |
|  | Bit |  |
|  | 0 |  |
|  | 1 |  |
|  | 2 |  |
|  | 3 |  |
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|  | 30 |  |
|  | 31 |  |

**Swap pins**

0 = No swap

1 = Swap

**Dwell mode**

0 = PWM off time set to BRAKE

1 = PWM off time set to COAST

**Invert pins**

00 = No invert

01 = invert M0

10 = invert M1

11 = invert M0 and M1

**PWM enable**

0 = Disable

1 = Enable

**Motor commands**

000 = COAST

001 = FORWARD

010 = BACKWARD

011 = BRAKE

other = NO-OPERATION

**H-bridge mode**

0 = PWM/PWM

1 = PWM/Direction

**External H-bridge**

0 = Disable use of external H-bridge

1 = Route signals to external H-bridge

**Internal H-bridge**

0 = Disable use of internal H-bridge

1 = Enable use of internal H-bridge