# STM32L031 GPIO Pin Mapping

A circuit board with many different colored wires

Description automatically generated

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Pin** | **Pin #** | **HAL GPIO Pin Definition** |  | **Pin** | **Pin #** | **HAL GPIO Pin Definition** |  | **Pin** | **Pin #** | **HAL GPIO Pin Definition** |
| PA0 | 1 | GPIO\_PIN\_0 |  | PA12 | 19 | GPIO\_PIN\_12 |  | PB8 | 32 | GPIO\_PIN\_8 |
| PA1 | 2 | GPIO\_PIN\_1 |  | PA13 | 21 | GPIO\_PIN\_13 |  | PB9 | 33 | GPIO\_PIN\_9 |
| PA2 | 3 | GPIO\_PIN\_2 |  | PA14 | 22 | GPIO\_PIN\_14 |  | PB10 | 34 | GPIO\_PIN\_10 |
| PA3 | 4 | GPIO\_PIN\_3 |  | PA15 | 23 | GPIO\_PIN\_15 |  | PB11 | 35 | GPIO\_PIN\_11 |
| PA4 | 5 | GPIO\_PIN\_4 |  | PB0 | 24 | GPIO\_PIN\_0 |  | PB12 | 36 | GPIO\_PIN\_12 |
| PA5 | 6 | GPIO\_PIN\_5 |  | PB1 | 25 | GPIO\_PIN\_1 |  | PB13 | 37 | GPIO\_PIN\_13 |
| PA6 | 7 | GPIO\_PIN\_6 |  | PB2 | 26 | GPIO\_PIN\_2 |  | PB14 | 38 | GPIO\_PIN\_14 |
| PA7 | 8 | GPIO\_PIN\_7 |  | PB3 | 27 | GPIO\_PIN\_3 |  | PB15 | 39 | GPIO\_PIN\_15 |
| PA8 | 15 | GPIO\_PIN\_8 |  | PB4 | 28 | GPIO\_PIN\_4 |  | PC13 | 40 | GPIO\_PIN\_13 |
| PA9 | 16 | GPIO\_PIN\_9 |  | PB5 | 29 | GPIO\_PIN\_5 |  | PC14 | 41 | GPIO\_PIN\_14 |
| PA10 | 17 | GPIO\_PIN\_10 |  | PB6 | 30 | GPIO\_PIN\_6 |  | PC15 | 42 | GPIO\_PIN\_15 |
| PA11 | 18 | GPIO\_PIN\_11 |  | PB7 | 31 | GPIO\_PIN\_7 |  |  |  |  |