|  |  |  |  |
| --- | --- | --- | --- |
| **GPIO** | **Input** | **Output** | **Notes** |
| **0** | pulled up | OK | outputs PWM signal at boot |
| **1** | TX pin | OK | debug output at boot |
| **2** | OK | OK | connected to on-board LED |
| **3** | OK | RX pin | HIGH at boot |
| **4** | OK | OK |  |
| **5** | OK | OK | outputs PWM signal at boot |
| **6** | x | x | connected to the integrated SPI flash |
| **7** | x | x | connected to the integrated SPI flash |
| **8** | x | x | connected to the integrated SPI flash |
| **9** | x | x | connected to the integrated SPI flash |
| **10** | x | x | connected to the integrated SPI flash |
| **11** | x | x | connected to the integrated SPI flash |
| **12** | OK | OK | boot fail if pulled high |
| **13** | OK | OK |  |
| **14** | OK | OK | outputs PWM signal at boot |
| **15** | OK | OK | outputs PWM signal at boot |
| **16** | OK | OK |  |
| **17** | OK | OK |  |
| **18** | OK | OK |  |
| **19** | OK | OK |  |
| **21** | OK | OK |  |
| **22** | OK | OK |  |
| **23** | OK | OK |  |
| **25** | OK | OK |  |
| **26** | OK | OK |  |
| **27** | OK | OK |  |
| **32** | OK | OK |  |
| **33** | OK | OK |  |
| **34** | OK |  | input only |
| **35** | OK |  | input only |
| **36** | OK |  | input only |
| **39** | OK |  | input only |