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|------------------|
| POWER            |
| GROUND           |
| MCU pin          |
| PIN NAME         |
| 12-bit ANALOG    |
| USB              |
| USART            |
| SPI              |
| I <sup>2</sup> C |
| CAN BUS          |
| SWD              |
| JTAG             |
| TIMER & CHANNEL  |
| MISCELLANEOUS    |
| BOARD CIRCUITRY  |
| ARDUINO PIN      |

 **PC\_13, PC\_14, and PC\_15:**

- sink < 3 mA
- source 0 mA
- max 2 MHz
- max 30 pF

● 3.3V only pin

● 5V tolerant

 *PMW pin*  
 *Alternative function*

- $\leq 300\text{mA}$  source  $3.3\text{V}$
- $\leq 1\text{A}$  from USB (1N5819)
- $\leq 6\text{V}$   $V_{IN}$

Max 150 mA per MCU  
Max  $\pm 20$  mA per pin  
 $\pm 8$  mA recommended

STM32F103C8T6-based development board  
72Mhz, 20KB RAM, 64KB ROM

