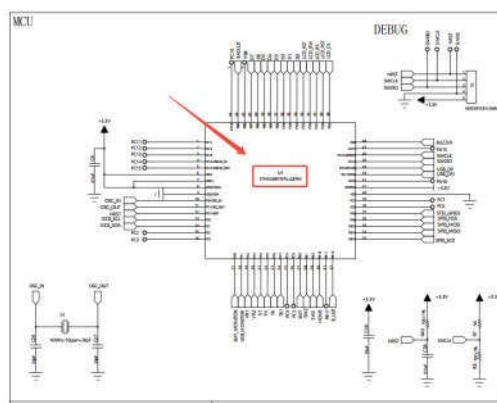
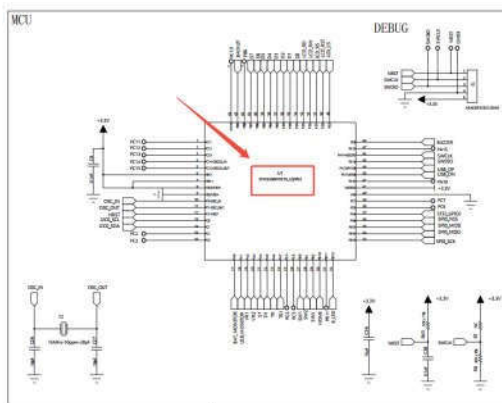






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STM32G0B1xCx6 Description

Table 2. Features and peripheral counts

| Table 2. Features and peripheral counts |                                      |                                                                                                                  |                 |             |                 |         |             |                 |             |             |
|-----------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-----------------|---------|-------------|-----------------|-------------|-------------|
| Peripheral                              |                                      | STM32G0B1                                                                                                        |                 |             |                 |         |             |                 |             |             |
|                                         |                                      | _K0/<br>_KE                                                                                                      | _K0xN/<br>_RExN | _C0/<br>_CE | _C0xN/<br>_CExN | _NE     | _R0/<br>_RE | _R0xN/<br>_RExN | _M0/<br>_ME | _V0/<br>_VE |
| Flash memory (Kbyte)                    |                                      | 256/512                                                                                                          | 256/512         | 256/512     | 256/512         | 512     | 256/512     | 256/512         | 256/512     | 256/512     |
| Timers                                  | SRAM (Kbyte)                         | 128 (parity-protected) or 144 (not parity-protected)                                                             |                 |             |                 |         |             |                 |             |             |
|                                         | Advanced control                     | 1 (16-64) high frequency                                                                                         |                 |             |                 |         |             |                 |             |             |
|                                         | General-purpose                      | 8 (16-64) + 1 (16-64) high frequency + 1 (32-64)                                                                 |                 |             |                 |         |             |                 |             |             |
|                                         | Basic                                | 2 (16-64)                                                                                                        |                 |             |                 |         |             |                 |             |             |
|                                         | Low-power                            | 2 (16-64)                                                                                                        |                 |             |                 |         |             |                 |             |             |
|                                         | SysTick                              | 1                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | Watchdog                             | 2                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | SPI (psig <sup>(1)</sup> )           | 3 (2)                                                                                                            |                 |             |                 |         |             |                 |             |             |
|                                         | PC                                   | 3                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | USART                                | 6                                                                                                                |                 |             |                 |         |             |                 |             |             |
| Comm. interfaces                        | LPUART                               | 2                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | USB                                  | 1                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | UOPD                                 | 1 <sup>(2)</sup>                                                                                                 | 2               | 3           | 2               | 1       | 1           | 2               |             |             |
|                                         | FDICAN                               | 2                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | CEC                                  | 1                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | RTC                                  | Yes                                                                                                              |                 |             |                 |         |             |                 |             |             |
|                                         | Temper pins                          | 3                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | VDDIO2 pin / VSS pin                 | No/No                                                                                                            | Yes/No          | No/No       | Yes/Yes         | Yes/Yes | No/No       | Yes/Yes         | Yes/Yes     | Yes/Yes     |
|                                         | Random number generator              | No                                                                                                               |                 |             |                 |         |             |                 |             |             |
|                                         | AES                                  | No                                                                                                               |                 |             |                 |         |             |                 |             |             |
| Peripherals                             | GPIOs                                | 30                                                                                                               | 29              | 44          | 42              | 46      | 60          | 58              | 74          | 84          |
|                                         | Wake-up pins                         | 4                                                                                                                | 3               | 3           | 4               | 4       | 5           | 5               | 7           | 8           |
|                                         | ADC channels (ext. + int.)           | 11 + 2                                                                                                           | 10 + 2          | 14 + 3      | 12 + 3          | 14 + 3  | 16 + 3      | 14 + 3          | 16 + 3      | 16 + 3      |
|                                         | DAC channels                         | 2                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | Internal voltage reference buffer    | No                                                                                                               |                 | Yes         |                 |         |             |                 |             |             |
| Analog peripherals                      | Analog comparators                   | 3                                                                                                                |                 |             |                 |         |             |                 |             |             |
|                                         | Max. CPU frequency                   | 64 MHz                                                                                                           |                 |             |                 |         |             |                 |             |             |
|                                         | Operating voltage                    | 1.7 to 3.6 V                                                                                                     |                 |             |                 |         |             |                 |             |             |
|                                         | Operating temperature <sup>(3)</sup> | Ambient: -40 to 85 °C / -40 to 105 °C / -40 to 125 °C<br>Junction: -40 to 105 °C / -40 to 125 °C / -40 to 130 °C |                 |             |                 |         |             |                 |             |             |
| Number of pins                          |                                      | 32                                                                                                               |                 | 48          | 52              | 64      |             | 60              | 100         |             |

- The numbers in brackets denote the count of SPI interfaces configurable as PS interface.
- One port with only one CC line available (supporting limited number of use cases).
- Depends on order code. Refer to Section 6: Ordering information for details.



PK0073 Rev 2

9/91

Sincerely,

Signature: *Cool Chen*

Name: COOL Chen

Company Name: FLYSKY RC MODEL TECHNOLOGY CO., LTD