

APM32系列MCU-ARM® Cortex®-M3

| Part No.      | Frequency<br>(MHz) | FLASH<br>(KB) | RAM<br>(KB) | EMMC<br>(SDRAM) | FPU | I/Os | Vmin<br>(V) | Vmax<br>(V) | Timer             |                      |                     |                     |      |      |     | Analog Interface   |                        |                    |                        | Connectivity |                  |                  |       |     |      |     | Package |
|---------------|--------------------|---------------|-------------|-----------------|-----|------|-------------|-------------|-------------------|----------------------|---------------------|---------------------|------|------|-----|--------------------|------------------------|--------------------|------------------------|--------------|------------------|------------------|-------|-----|------|-----|---------|
|               |                    |               |             |                 |     |      |             |             | GP TM<br>(16-bit) | Advanced<br>(16-bit) | Basic TM<br>(6-bit) | Systick<br>(24-bit) | IWDG | WWDG | RTC | ADC 12-bit<br>Cell | ADC 12-bit<br>channels | DAC 12-bit<br>Cell | DAC 12-bit<br>channels | SPI          | I <sup>2</sup> S | I <sup>2</sup> C | USART | CAN | SDIO | USB |         |
| APM32F103T4U6 | 96                 | 16            | 6           | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 1   | 0    | 1   | QFN36   |
| APM32F103T6U6 | 96                 | 32            | 10          | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 1   | 0    | 1   | QFN36   |
| APM32F103T8U6 | 96                 | 64            | 20          | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 1   | 0    | 1   | QFN36   |
| APM32F103TBU6 | 96                 | 128           | 20          | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 1   | 0    | 1   | QFN36   |
| APM32F103C4T6 | 96                 | 16            | 6           | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP48  |
| APM32F103C6T6 | 96                 | 32            | 10          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP48  |
| APM32F103C8T6 | 96                 | 64            | 20          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP48  |
| APM32F103CBT6 | 96                 | 128           | 20          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP48  |
| APM32F103R4T6 | 96                 | 16            | 6           | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP64  |
| APM32F103R6T6 | 96                 | 32            | 10          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP64  |
| APM32F103R8T6 | 96                 | 64            | 20          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP64  |
| APM32F103RBT6 | 96                 | 128           | 20          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP64  |
| APM32F103V8T6 | 96                 | 64            | 20          | 0               | 1   | 80   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP100 |
| APM32F103VBT6 | 96                 | 128           | 20          | 0               | 1   | 80   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 1   | 0    | 1   | LQFP100 |
| APM32F103RCT6 | 96                 | 256           | 64          | 0               | 1   | 51   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 16                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP64  |
| APM32F103RDT6 | 96                 | 384           | 64          | 0               | 1   | 51   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 16                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP64  |
| APM32F103RET6 | 96                 | 512           | 128         | 0               | 1   | 51   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 16                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP64  |
| APM32F103VCT6 | 96                 | 256           | 64          | 0               | 1   | 80   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 16                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP100 |
| APM32F103VDT6 | 96                 | 384           | 64          | 0               | 1   | 80   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 16                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP100 |
| APM32F103VET6 | 96                 | 512           | 128         | 0               | 1   | 80   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 16                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP100 |
| APM32F103ZCT6 | 96                 | 256           | 64          | 1               | 1   | 112  | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 21                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP144 |
| APM32F103ZDT6 | 96                 | 384           | 64          | 1               | 1   | 112  | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 21                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP144 |
| APM32F103ZET6 | 96                 | 512           | 128         | 1               | 1   | 112  | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 3                  | 21                     | 2                  | 2                      | 3            | 2                | 2                | 3+2   | 1   | 1    | 1   | LQFP144 |
| APM32F102C4T6 | 48                 | 16            | 6           | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP48  |
| APM32F102C6T6 | 48                 | 32            | 10          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP48  |
| APM32F102C8T6 | 48                 | 64            | 20          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP48  |
| APM32F102CBT6 | 48                 | 128           | 20          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP48  |
| APM32F102R4T6 | 48                 | 16            | 6           | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP64  |
| APM32F102R6T6 | 48                 | 32            | 10          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP64  |
| APM32F102R8T6 | 48                 | 64            | 20          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP64  |
| APM32F102RBT6 | 48                 | 128           | 20          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 16                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 1   | LQFP64  |
| APM32F101C4T6 | 36                 | 16            | 6           | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP48  |
| APM32F101C6T6 | 36                 | 32            | 10          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP48  |
| APM32F101C8T6 | 36                 | 64            | 20          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP48  |
| APM32F101CBT6 | 36                 | 128           | 20          | 0               | 1   | 37   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP48  |
| APM32F101R4T6 | 36                 | 16            | 6           | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP64  |
| APM32F101R6T6 | 36                 | 32            | 10          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP64  |
| APM32F101R8T6 | 36                 | 64            | 20          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP64  |
| APM32F101RBT6 | 36                 | 128           | 20          | 0               | 1   | 51   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP64  |
| APM32F101T4U6 | 36                 | 16            | 6           | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 0   | 0    | 0   | QFN36   |
| APM32F101T6U6 | 36                 | 32            | 10          | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 0   | 0    | 0   | QFN36   |
| APM32F101T8U6 | 36                 | 64            | 20          | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 0   | 0    | 0   | QFN36   |
| APM32F101TBU6 | 36                 | 128           | 20          | 0               | 1   | 26   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 2     | 0   | 0    | 0   | QFN36   |
| APM32F101V8T6 | 36                 | 64            | 20          | 0               | 1   | 80   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP100 |
| APM32F101VBT6 | 36                 | 128           | 20          | 0               | 1   | 80   | 2           | 3.6         | 3                 | 1                    | 0                   | 1                   | 1    | 1    | 1   | 2                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 3     | 0   | 0    | 0   | LQFP100 |
| APM32F101RCT6 | 36                 | 256           | 32          | 0               | 1   | 51   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP64  |
| APM32F101RDT6 | 36                 | 384           | 48          | 0               | 1   | 51   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP64  |
| APM32F101RET6 | 36                 | 512           | 48          | 0               | 1   | 51   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP64  |
| APM32F101VCT6 | 36                 | 256           | 32          | 0               | 1   | 80   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP100 |
| APM32F101VDT6 | 36                 | 384           | 48          | 0               | 1   | 80   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP100 |
| APM32F101VET6 | 36                 | 512           | 48          | 0               | 1   | 80   | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP100 |
| APM32F101ZCT6 | 36                 | 256           | 32          | 1               | 1   | 112  | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP144 |
| APM32F101ZDT6 | 36                 | 384           | 48          | 1               | 1   | 112  | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP144 |
| APM32F101ZET6 | 36                 | 512           | 48          | 1               | 1   | 112  | 2           | 3.6         | 4                 | 2                    | 2                   | 1                   | 1    | 1    | 1   | 1                  | 16                     | 2                  | 2                      | 3            | 0                | 2                | 3+2   | 0   | 0    | 0   | LQFP144 |

APM32系列MCU-ARM® Cortex®-M0+

| Part No.      | Frequency<br>(MHz) | FLASH<br>(KB) | RAM<br>(KB) | EMMC<br>(SDRAM) | FPU | I/Os | Vmin<br>(V) | Vmax<br>(V) | Timer            |                      |          |                     |      |      |     | Analog Interface   |                        |                    |                        | Connectivity |                  |                  |       |     | Package |      |          |
|---------------|--------------------|---------------|-------------|-----------------|-----|------|-------------|-------------|------------------|----------------------|----------|---------------------|------|------|-----|--------------------|------------------------|--------------------|------------------------|--------------|------------------|------------------|-------|-----|---------|------|----------|
|               |                    |               |             |                 |     |      |             |             | GMTA<br>(16-bit) | Advanced<br>(16-bit) | Basic TM | Systick<br>(24-bit) | IWDG | WWDG | RTC | ADC 12-bit<br>Cell | ADC 12-bit<br>channels | DAC 12-bit<br>Cell | DAC 12-bit<br>channels | SPI          | I <sup>2</sup> S | I <sup>2</sup> C | USART | CAN |         | SDIO | USB      |
| APM32F030K8T6 | 48                 | 64            | 8           | 0               | 0   | 26   | 2           | 3.6         | 4                | 1                    | 0        | 1                   | 1    | 1    | 1   | 1                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 1     | 0   | 0       | 0    | LQFP 32  |
| APM32F030K6T6 | 48                 | 32            | 4           | 0               | 0   | 26   | 2           | 3.6         | 4                | 1                    | 0        | 1                   | 1    | 1    | 1   | 1                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 1     | 0   | 0       | 0    | LQFP 32  |
| APM32F030K6U6 | 48                 | 32            | 4           | 0               | 0   | 26   | 2           | 3.6         | 4                | 1                    | 0        | 1                   | 1    | 1    | 1   | 1                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 1     | 0   | 0       | 0    | QFN 32   |
| APM32F030C6T6 | 48                 | 32            | 4           | 0               | 0   | 39   | 2           | 3.6         | 4                | 1                    | 0        | 1                   | 1    | 1    | 1   | 1                  | 10                     | 0                  | 0                      | 1            | 0                | 1                | 1     | 0   | 0       | 0    | LQFP 48  |
| APM32F030C8T6 | 48                 | 64            | 8           | 0               | 0   | 39   | 2           | 3.6         | 5                | 1                    | 1        | 1                   | 1    | 1    | 1   | 1                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 2     | 0   | 0       | 0    | LQFP 48  |
| APM32F030R8T6 | 48                 | 64            | 8           | 0               | 0   | 55   | 2           | 3.6         | 5                | 1                    | 1        | 1                   | 1    | 1    | 1   | 1                  | 10                     | 0                  | 0                      | 2            | 0                | 2                | 2     | 0   | 0       | 0    | LQFP 64  |
| APM32F003F4P6 | 48                 | 16            | 2           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | TSSOP 20 |
| APM32F003F6P6 | 48                 | 32            | 4           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | TSSOP 20 |
| APM32F003F4U6 | 48                 | 16            | 2           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | QFN 20   |
| APM32F003F6U6 | 48                 | 32            | 4           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | QFN 20   |
| APM32F003F4M6 | 48                 | 16            | 2           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | SOP 20   |
| APM32F003F6M6 | 48                 | 32            | 4           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | SOP 20   |
| APM32F003F6P7 | 48                 | 16            | 4           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | TSSOP20  |
| APM32F003F6U7 | 48                 | 32            | 4           | 0               | 0   | 16   | 2           | 5.5         | 1                | 2                    | 1        | 1                   | 1    | 1    | 0   | 1                  | 8                      | 0                  | 0                      | 1            | 0                | 1                | 3     | 0   | 0       | 0    | QFN20    |

# MCU 型号指南

| AP             | M                     | 32                                                                                                                             | F                                                                                                                                        | 103                                                                                                                                                                             | T                                                                                                                                                                                   | 4                                                                                                                                                                                                                              | T                                                                                                              | 6 |
|----------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---|
| Brand<br>Geehy | Family<br>32-bit MCUs | Product type<br>A Auto grade<br>E Enhanced<br>F Foundation<br>L Ultra-low-power<br>S Standard<br>T Touch sensing<br>W Wireless | Specific features<br>(3 digits)<br>030 Entry-level<br>103 Foundation<br>407 High-performance<br>and DSP with FPU<br>L072 Ultra-low-power | Pin count<br>(pins)<br>D 14<br>Y 20<br>F 20<br>E 24&25<br>G 28<br>K 32<br>T 36<br>H 40<br>S 44<br>C 48&49<br>U 63<br>R 64&66<br>J 72<br>M 80<br>O 90<br>V 100<br>Q 132<br>Z 144 | Code size<br>(Kbytes)<br>0 1<br>1 2<br>2 4<br>3 8<br>4 16&8<br>5 24<br>6 32<br>7 48<br>8 64<br>9 72<br>A 96 or 128*<br>B 128<br>Z 192<br>C 256<br>D 384<br>E 512<br>F 768<br>G 1024 | Packaging<br>B Plastic DIP*<br>D Ceramic DIP*<br>G Ceramic QFP<br>H LFBGA/TFBGA<br>I UFBGA Pitch 0.5**<br>J UFBGA Pitch 0.8**<br>k UFBGA Pitch 0.65**<br>M Plastic SO<br>P TSSOP<br>Q Plastic QFP<br>T QFP<br>U QFN<br>Y WLCSP | Temperature range<br>6 and A -40 to +85°C<br>7 and B -40 to +105°C<br>3 and C -40 to +125°C<br>D -40 to +150°C |   |
| MCU            |                       |                                                                                                                                |                                                                                                                                          |                                                                                                                                                                                 |                                                                                                                                                                                     |                                                                                                                                                                                                                                |                                                                                                                |   |
|                |                       |                                                                                                                                |                                                                                                                                          |                                                                                                                                                                                 |                                                                                                                                                                                     |                                                                                                                                                                                                                                |                                                                                                                |   |
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| Brand<br>Geehy | Family<br>Wireless | Product type<br>BLE SoC | Specific features<br>11 BLE 4.2<br>22 BLE 5.1 | Pin count<br>(pins)<br>D 14<br>Y 20<br>F 20<br>E 24&25<br>G 28<br>K 32<br>T 36<br>H 40<br>S 44<br>C 48&49<br>U 63<br>R 64&66<br>J 72<br>M 80<br>O 90<br>V 100<br>Q 132<br>Z 144 | Code size<br>(Kbytes)<br>0 1<br>1 2<br>2 4<br>3 8<br>4 16&8<br>5 24<br>6 32<br>7 48<br>8 64<br>9 72<br>A 96 or 128*<br>B 128<br>Z 192<br>C 256<br>D 384<br>E 512<br>F 768<br>G 1024 | Packaging<br>B Plastic DIP*<br>D Ceramic DIP*<br>G Ceramic QFP<br>H LFBGA/TFBGA<br>I UFBGA Pitch 0.5**<br>J UFBGA Pitch 0.8**<br>k UFBGA Pitch 0.65**<br>M Plastic SO<br>P TSSOP<br>Q Plastic QFP<br>T QFP<br>U QFN<br>Y WLCSP | Temperature range<br>6 and A -40 to +85°C<br>7 and B -40 to +105°C<br>3 and C -40 to +125°C<br>D -40 to +150°C |



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