

| 引脚编号 | XS128 | K60 | 功能描述 | 光电组引脚分配 |
|------|-------|----------------|---|-------------------|
| 1 | PJ6 | PTA12 | | SW0_0 |
| 2 | PM1 | PTA14 | | SW0_1 |
| 3 | SS0 | PTA13 | | SD_CS |
| 4 | SCK0 | SPI0_SCK | SPI 仅能做主机 | SD_CLK |
| 5 | MISO | SPI0_SIN | | SD_MI |
| 6 | MOSI | SPI0_SOUT | | SD_MO |
| 7 | PWM6 | FTM1_PWM1 | PWM信号。 XS128使用级联PWM输出时，连接在PWM奇数通道。 K60使用PWM时FTM0相关PWM通道只能配置成一种频率PWM输出。FTM也只能配置成一种PWM输 | M_PWM(电机输出) |
| 8 | PWM7 | FTM1_PWM0 | | |
| 9 | PWM4 | FTM0_PWM1 | | SD5输出(方案一) |
| 10 | PWM5 | FTM0_PWM0 | | |
| 11 | PWM2 | FTM0_PWM2 | | S3010输出1 |
| 12 | PWM3 | FTM0_PWM3 | | |
| 13 | PWM0 | FTM0_PWM4 | | S3010输出0 |
| 14 | PWM1 | FTM0_PWM5 | | |
| 15 | PM0 | PTA25 | | SD_CD |
| 16 | PK7 | PTA24 | | BEEP |
| 17 | NC | PTA27 | | |
| 18 | NC | PTA26 | | |
| 19 | NC | PTA29 | | |
| 20 | PK3 | PTA28 | | EX0 |
| 21 | PK3 | PTB3 | | |
| 22 | PK1 | PTB2 | | EX1 |
| 23 | PK0 | PTB5 | | |
| 24 | PT0 | PTB4 | | EX2 |
| 25 | PT1 | PTB7 | | |
| 26 | PT2 | PTB6 | | EX3 |
| 27 | PT3 | PTB9 | | |
| 28 | PT4 | PTB8 | | EX4 |
| 29 | PT5 | PTB11 | | |
| 30 | PT6 | PTB10 | | EX5 |
| 31 | SPEED | FTM2_PWM0 | 上述PWM中编码器输入的解 | 编码器的速度计数(XS复用选 |
| 32 | PK5 | PTB16 | | 编码器鉴相输入 |
| 33 | PK4 | PTB17 | | |
| 34 | PJ1 | FTM2_PWM1 | 上述PWM中编码器输入的解 | 上拉，配置FTM2_PWM0为加计 |
| 35 | PJ0 | PTB20 | | |
| 36 | PB0 | PTB21 | | |
| 37 | PB1 | PTB22 | | |
| 38 | PB2 | PTB23 | | |
| 39 | PB3 | PTC0 | | |
| 40 | PB4 | PTC5/LPT0_ALT2 | | 编码器的速度计数(方案二) |
| 41 | GND | GND | | |
| 42 | GND | GND | | |
| 43 | PA6 | PTD12 | | ADD3 |
| 44 | PA7 | PTD11 | | ADD2 |
| 45 | PA4 | PTD10 | | ADD1 |
| 46 | PA5 | PTD9 | | ADD0 |
| 47 | PA2 | PTD8 | | UPCS0 |
| 48 | PA3 | PTD7 | | UPCS1 |
| 49 | PA0 | PTD6 | | UP_REC1 |
| 50 | PA1 | PTD3 | | UP_REC3 |
| 51 | PE3 | PTD2 | | UP_REC5 |
| 52 | PE2 | PTD1 | | UP_REC2 |

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|-----|------|----------------|--|------------|--|--|--|
| 53 | PH1 | PTD0 | | UP_REC4 | | | |
| 54 | PH0 | PTC19 | | UP_REC0 | | | |
| 55 | PH3 | PTC18 | | | | | |
| 56 | PH2 | PTC17 | | | | | |
| 57 | NC | PTC16 | | | | | |
| 58 | NC | NC | | | | | |
| 59 | PE4 | PTC14 | | | | | |
| 60 | PE5 | PTC15 | | | | | |
| 61 | PE6 | PTC12 | | | | | |
| 62 | PH4 | PTC13 | | DW_REC0 | | | |
| 63 | PH5 | PTC10 | | DW_REC2 | | | |
| 64 | PH6 | PTC11 | | DW_REC1 | | | |
| 65 | PH7 | PTC8 | | DWCS | | | |
| 66 | PB7 | PTC9 | | | | | |
| 67 | PB6 | PTC6 | | | | | |
| 68 | PB5 | PTC7 | | | | | |
| 69 | PS7 | PTA11 | | | | | |
| 70 | PJ7 | TA10/FTM2_PWM0 | | INFRARED | | | |
| 71 | PS5 | PTA9 | | SD5输出（方案二） | | | |
| 72 | PS6 | PTA8 | | SW2_3 | | | |
| 73 | PS3 | PTA7 | | M_DIR | | | |
| 74 | PS4 | PTA6 | | SW2_2 | | | |
| 75 | TXD0 | SCI4_TX | | SW2_1 | | | |
| 76 | PS2 | PTE28 | | TXD0 | | | |
| 77 | PM6 | PTE27 | | SW2_0 | | | |
| 78 | RXD0 | SCI4_RX | | Touch | | | |
| 79 | VR0 | NC | 模拟信号高电平参考输入 | RXD0 | | | |
| 80 | PM7 | PTE26 | | VCC_5V | | | |
| 81 | AD7 | ADC0_SE16 | 仅能做AD信号输入，并且要求AD信号从XS128的AD15、AD14依次往下连接输入AD信号 | SW1_3 | | | |
| 82 | AD15 | ADC1_SE16 | | | | | |
| 83 | AD6 | PGA1_DM | | VCC_BAT/3 | | | |
| 84 | AD14 | PGA1_DP | | | | | |
| 85 | AD5 | PGA0_DM | | GYRO_IN | | | |
| 86 | AD13 | PGA0_DP | | | | | |
| 87 | AD4 | ADC1_DM1 | | AD | | | |
| 88 | AD12 | ADC1_DP1 | | | | | |
| 89 | AD3 | ADC0_DM1 | | | | | |
| 90 | AD11 | ADC0_DP1 | | | | | |
| 91 | AD2 | PTE12 | 仅能做数字信号输入 | SW1_2 | | | |
| 92 | AD10 | PTE11 | | SW1_1 | | | |
| 93 | AD1 | PTE10 | | SW1_0 | | | |
| 94 | AD9 | PTE9 | | LED2 | | | |
| 95 | AD0 | PTE8 | | LED3 | | | |
| 96 | AD8 | PTE7 | | LED1 | | | |
| 97 | AD13 | PTE6 | | | | | |
| 98 | AD5 | PTE5 | | LED0 | | | |
| 99 | AD12 | PTE4 | 即可以做数字信号输入 又可以做AD转换信号输入 | LED4 | | | |
| 100 | AD10 | ADC1_7a | | | | | |
| 101 | AD9 | ADC1_6a | | | | | |
| 102 | AD8 | ADC1_5a | | | | | |
| 103 | AD2 | ADC1_4a | | | | | |
| 104 | AD4 | PTD15 | | LED5 | | | |
| 105 | AD11 | PTD14 | | LED6 | | | |
| 106 | AD3 | PTD13 | | LED7 | | | |

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| 107 | VCC | VCC | | | | |
| 108 | VCC | VCC | | | | |