|  |  |  |  |
| --- | --- | --- | --- |
|  | **CY8C414AXI** | **HC32F030** |  |
| +5VA |  |  |  |
| AGND |  |  |  |
| +5V |  |  |  |
| GND |  |  |  |
| RESET | XRES | RESETB |  |
|  |  |  |  |
| 进水1R |  | PB04 | output |
| 进水2R |  | PB05 | Output |
| 排水R |  | PB03 | Output |
| 牵引器R |  | PD07 | Output |
| Relay |  | PD06 | Output |
| LED |  | PD03 | Output |
| Fault |  | PB06 | Input |
|  |  |  |  |
| U1A\_TX |  | PA02 | UART1\_TXD |
| U1A\_RX |  | PA03 | UART1\_RXD |
|  |  |  |  |
| SDA0 |  | PB07 | I2C0\_SDA |
| SCL0 |  | PB08 | I2C0\_SCL |
|  |  |  |  |
| OPU+ |  | PB13 | OP1\_INP |
| OPU\_ |  | PB12 | OP1\_INN |
| OPU\_Out |  | PB14 | OP1\_OUT |
|  |  |  |  |
| OPV+ |  | PB10 | OP2\_INP |
| OPV\_ |  | PB02 | OP2\_INN |
| OPV\_Out |  | PB11 | OP2\_OUT |
|  |  |  |  |
| Cprt+ |  |  |  |
| Cprt\_ |  |  |  |
| Cprt\_Out |  |  |  |
|  |  |  |  |
| VDC |  | PA00 | AIN00 |
| Current\_IU |  | PA05 | AIN05 |
| Current\_IV |  | PA04 | AIN04 |
| ms |  | PA06 | AIN06 |
| TEMP |  | PA01 | AIN01 |
|  |  |  |  |
| WH |  | PA08 | TIM3\_CH0A |
| WL |  | PA07 | TIM3\_CH0B |
| VH |  | PA09 | TIM3\_CH1A |
| VL |  | PB00 | TIM3\_CH1B |
| UH |  | PA10 | TIM3\_CH2A |
| UL |  | PB01 | TIM3\_CH2B |
|  |  |  |  |