

MCU: AT32F403ACGT7

External crystal oscillator: 8MHz

NAME	IO	Function	Ext_PU_R	Ext_PD_R	Ext_CAP	Description
MCU_TIO_1	PB4	TIM3_CH1	4.7k	/	100nF	Connect to "CN1" Connector No.2 Pin
MCU_TIO_2	PB5	TIM3_CH2	4.7k	/	100nF	Connect to "CN2" Connector No.2 Pin
MCU_TIO_3	PB0	TIM3_CH3	4.7k	/	100nF	Connect to "CN3" Connector No.2 Pin
MCU_TIO_4	PB1	TIM3_CH4	4.7k	/	100nF	Connect to "CN4" Connector No.2 Pin
MCU_AIO_1	PA4	ADC12_IN4	4.7k(NC)	/	10nF	Connect to "CN5" Connector No.2 Pin
MCU_AIO_2	PA5	ADC12_IN5	4.7k(NC)	/	10nF	Connect to "CN6" Connector No.2 Pin
MCU_AIO_3	PA6	ADC12_IN6	4.7k(NC)	/	10nF	Connect to "CN7" Connector No.2 Pin
MCU_AIO_4	PA7	ADC12_IN7	4.7k(NC)	/	10nF	Connect to "CN8" Connector No.2 Pin
MCU_SCL_1	PB12	GPIO	4.7k	/	/	Connect to "J1" Connector No.2 Pin
MCU_SCL_2	PB13	GPIO	4.7k	/	/	Connect to "J2" Connector No.2 Pin
MCU_SCL_3	PB14	GPIO	4.7k	/	/	Connect to "J3" Connector No.2 Pin
MCU_SCL_4	PB15	GPIO	4.7k	/	/	Connect to "J4" Connector No.2 Pin
MCU_SCL_5	PC15	GPIO	4.7k	/	/	Connect to "J5" Connector No.2 Pin
MCU_SCL_6	PC14	GPIO	4.7k	/	/	Connect to "J6" Connector No.2 Pin
MCU_SCL_7	PA8	GPIO	4.7k	/	/	Connect to "J7" Connector No.2 Pin
MCU_SCL_8	PB3	GPIO	4.7k	/	/	Connect to "J8" Connector No.2 Pin
MCU_SDA_1	PB6	TIM4_CH1	4.7k	/	/	Connect to "J1" Connector No.3 Pin
MCU_SDA_2	PB7	TIM4_CH2	4.7K	/	/	Connect to "J2" Connector No.3 Pin
MCU_SDA_3	PB8	TIM4_CH3	4.7K	/	/	Connect to "J3" Connector No.3 Pin
MCU_SDA_4	PB9	TIM4_CH4	4.7K	/	/	Connect to "J4" Connector No.3 Pin
MCU_SDA_5	PA0	TIM2_CH1	4.7K	/	/	Connect to "J5" Connector No.3 Pin
MCU_SDA_6	PA1	TIM2_CH2	4.7K	/	/	Connect to "J6" Connector No.3 Pin
MCU_SDA_7	PB10	TIM2_CH3	4.7k	/	/	Connect to "J7" Connector No.3 Pin
MCU_SDA_8	PB11	TIM2_CH4	4.7k	/	/	Connect to "J8" Connector No.3 Pin
USART1_TX	PA9	USART1_TX	/	/	/	Connect to "UART" Connector TXD Pin
USART1_RX	PA10	USART1_RX	/	/	/	Connect to "UART" Connector RXD Pin
USART2_TX	PA2	USART2_TX	/	/	/	Connect to "485 Transceiver" TX Pin
USART2_RX	PA3	USART2_RX	/	/	/	Connect to "485 Transceiver" RX Pin
CAN_RX	PA11	CAN1_RX	/	/	/	Connect to "CAN Transceiver" RX Pin
CAN_TX	PA12	CAN1_TX	/	/	/	Connect to "CAN Transceiver" TX Pin
M485_DE	PC13	GPIO	/	/	/	Set Low--->485 on RX Set High--->485 on TX
SYS_LED	PA15	GPIO	/	/	/	Set Low--->LED ON Set High--->LED OFF

SWCLK	PA14	SWCLK	/	/	/	Connect to "SWD" Connector CLK Pin
SWDIO	PA13	SWDIO	/	/	/	Connect to "SWD" Connector DIO Pin
NRST	NRST	NRST	10K	/	100nF	Connect to "SWD" Connector RST Pin
BOOT0	BOOT0	BOOT0	/	10K	/	Connect to "UART" Connector BOOT Pin
BOOT1	PB2	BOOT1	/	10K	/	

J1 ~ J8 No.1 Pin : +5V
J1 ~ J8 No.4 Pin : GND
CN1 ~ CN8 No.1 Pin : +5V
CN1 ~ CN8 No.3 Pin : GND