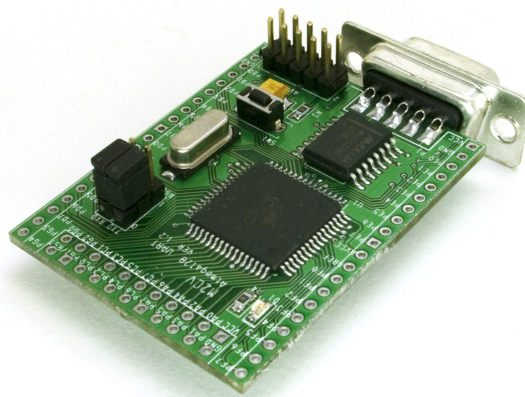


■ ATmega128 UART ■

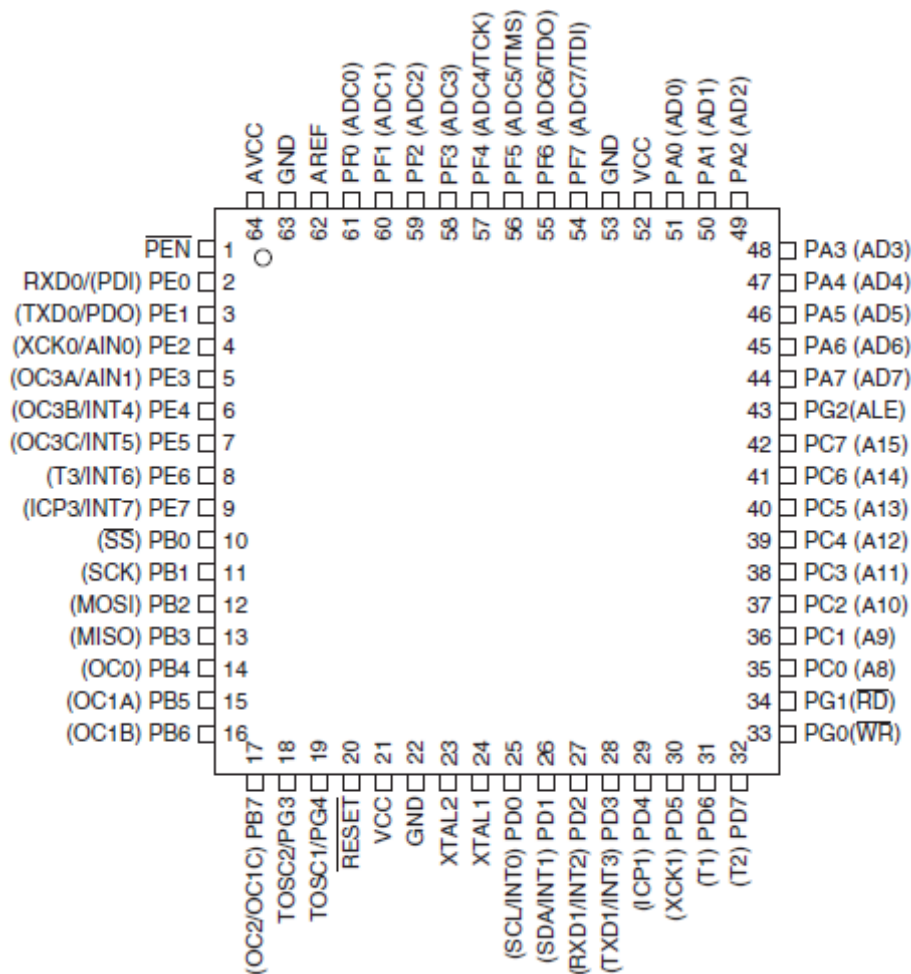


ATmega128 UART v1.2 Module Manual

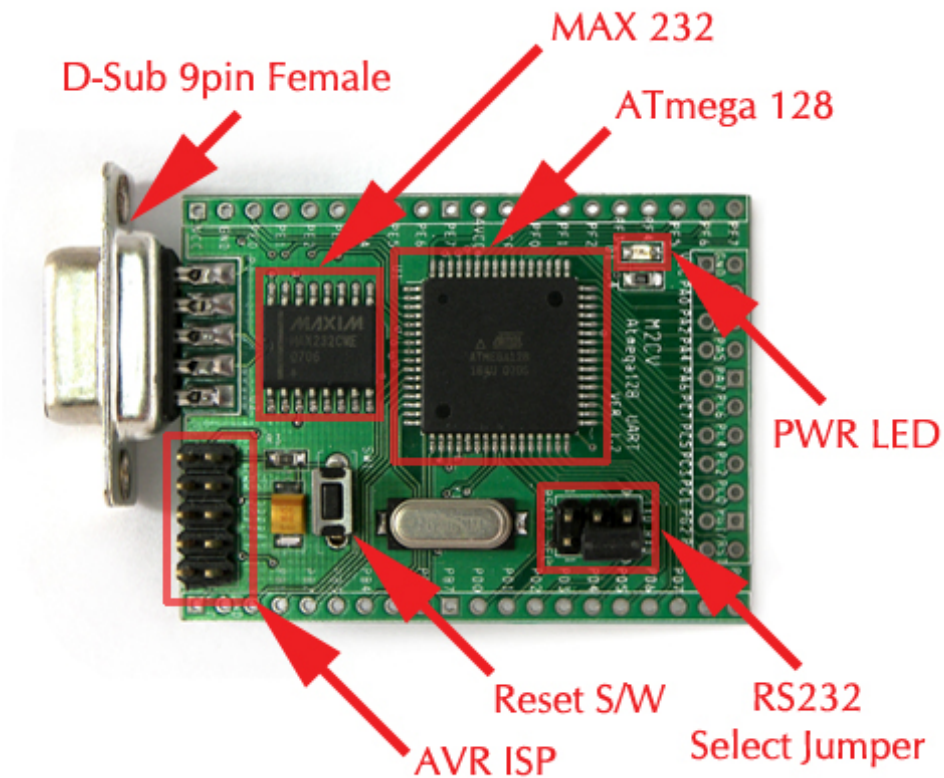
1. Features

- Atmel사의 ATmega128 채용
 - 64pins TQFP Package
 - AVR 8-bit Microcontroller(16 MHz, 16 MIPS)
 - 128 KBytes of Flash memory, 4KBytes EEPROM, 4KBytes Internal SRAM
 - 8-bit Timer x 2, Expanded 16-bit Timer x 2
 - 8-bit PWM 2 channels, 6 PWM channels with Programmable
 - 8 channels 10-bit ADC
- MAX232 RS232 리시버 채용, UART 0/1 선택가능 점퍼제공
- 1열 디자인으로 브레드보드에 바로 사용(B, D, E, F PORT)
- 외부메모리 확장을 위한 ALE, /WR, /RD, RESET, PORT A, PORT C를 별도 헤더로 구성
- AVCC, AREF가 내부 VCC와 Open 되어 임의 전원인가 가능
- 작동 전압 5V
- 1 Power LED, 1 Reset S/W
- 50.8 x 38.1 x 2.54(Width x Height x Pin Pitch)

2. STM32F103RBT6 Pinout



3. Board 구성



4. Pins Assignment

PF7	GND	PA1	PA3	PA5	PA7	PC6	PC4	PC2	PC0	PG1	/RST	PG4
PF6	VCC	PA0	PA2	PA4	PA6	PC7	PC5	PC3	PC1	PG2	PG0	PG3
PF5												PD7
PF4												PD6
PF3												PD5
PF2												PD4
PF1												PD3
PF0												PD2
AREF												PD1
AVCC												PD0
PE7												PB7
PE6												PB6
PE5												PB5
PE4												PB4
PE3												PB3
PE2												PB2
PE1												PB1
PE0												PB0
GND												GND
VCC												VCC

UART 1 TX	UART1 RX
MAX232 TX	MAX232 RX
UART0 TX	UART0 RX

VCC	GND	GND	GND	GND
PE0		/RST	PB1	PE1

