

Mango AK1 (ATmega128) Configuration

<http://www.mangoboard.com/>

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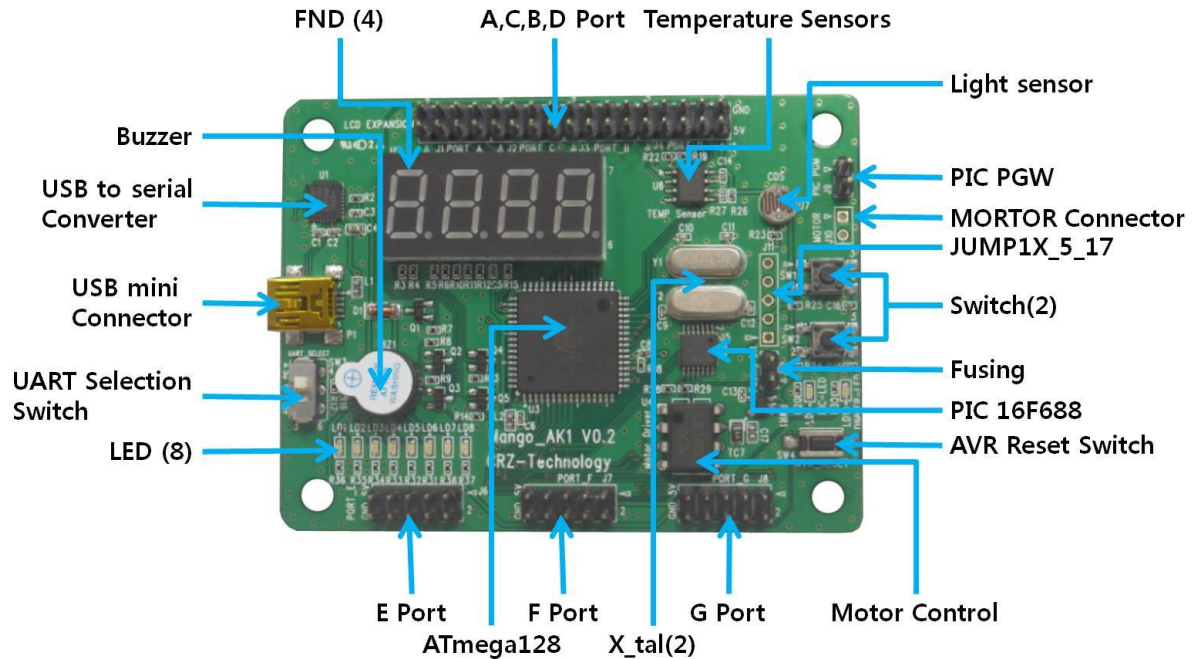
Document History

Revision	Date	Change note

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1. Mango-AK1 Configuration



1.1. Mango-AK1 Hardware Spec

AVR 마이크로 컨트롤러, ATmega128A_AU1037

ISP 다운로더 내장, USB_mini 커넥터

SMD 청색 LED 8+2

7 Segment Rad FND4 개 WCN4_0036SR_C11

버튼 스위치 2 개

부저 1 개

온도센서 -40C~125 도 측정가능

모터제어 ATS75D8

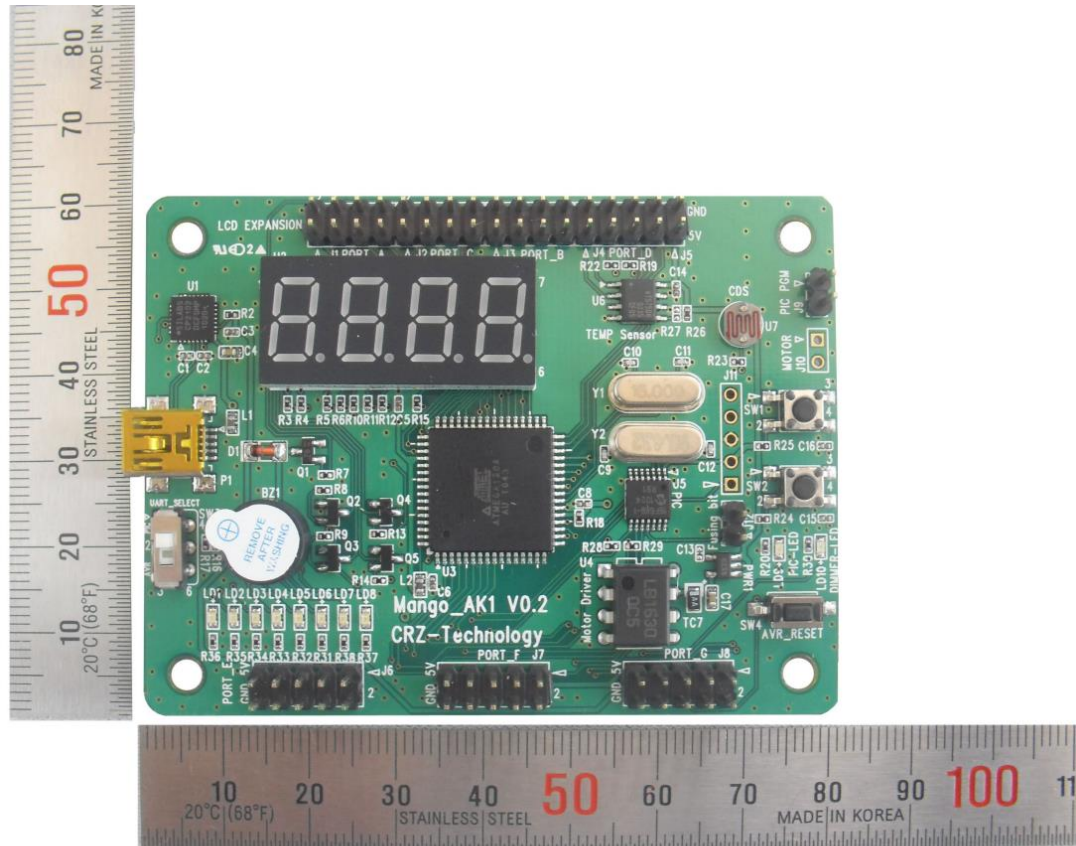
광감지센서 GL5537

USRT_to_USB 변환기, CP2102

핀 32 개

1.2. Mango-AK1 Size and Weight

60X80, 28g



1.3. Mango-AK1 Manual Link

17 Mango-AK1(atmega128 EVB)

- 17.1 Mango-AK1 Hardware Manual
 - 17.1.1 망고 AK1(AVR:ATmega128A_AU1037)배치도
- 17.2 Mango-AK1 설치파일
 - 17.2.1 mango-ak1(atmega128 EVB)AVR Studio4 설치
 - 17.2.2 mango-ak1(atmega128 EVB)WinAVR 설치
 - 17.2.3 mango-ak1(atmega128 EVB)AVR Studio 4 실행하기
 - 17.2.4 mango-ak1(atmega128 EVB)AVR Studio 5 beta 설치
 - 17.2.5 mango-ak1(atmega128 EVB)AVR Studio5 설치 full
 - 17.2.5.1 AVR Studio5 full --- STK500 추가기능 가능한 AVR
 - 17.2.6 mango-ak1(atmega128 EVB)CP2102 USB 드라이버
- 17.3 Mango-AK1 소스
 - 17.3.1 mango-ak1(atmega128 EVB)LED_Test1
 - 17.3.2 mango-ak1(atmega128 EVB)LED_Test2
 - 17.3.3 mango-ak1(atmega128 EVB)LED_Test3

- 17.3.4 mango-ak1(atmega128 EVB)간단한 버튼 테스트(LED 쉬프트)
- 17.3.5 mango-ak1(atmega128 EVB)temp_test
- 17.3.6 mango-ak1(atmega128 EVB)fnd 동작원리
- 17.3.7 mango-ak1(atmega128 EVB)FND 배열 이용
- 17.3.8 mango-ak1(atmega128 EVB)FND 2 자리이상(buf 이용)
- 17.3.9 mango-ak1(atmega128 EVB)FND 2 자리 이상 응용
- 17.3.10 mango-ak1(atmega128 EVB)BUTTON_test

17.3.11 mango-ak1(atmega128 EVB)LCD.h