

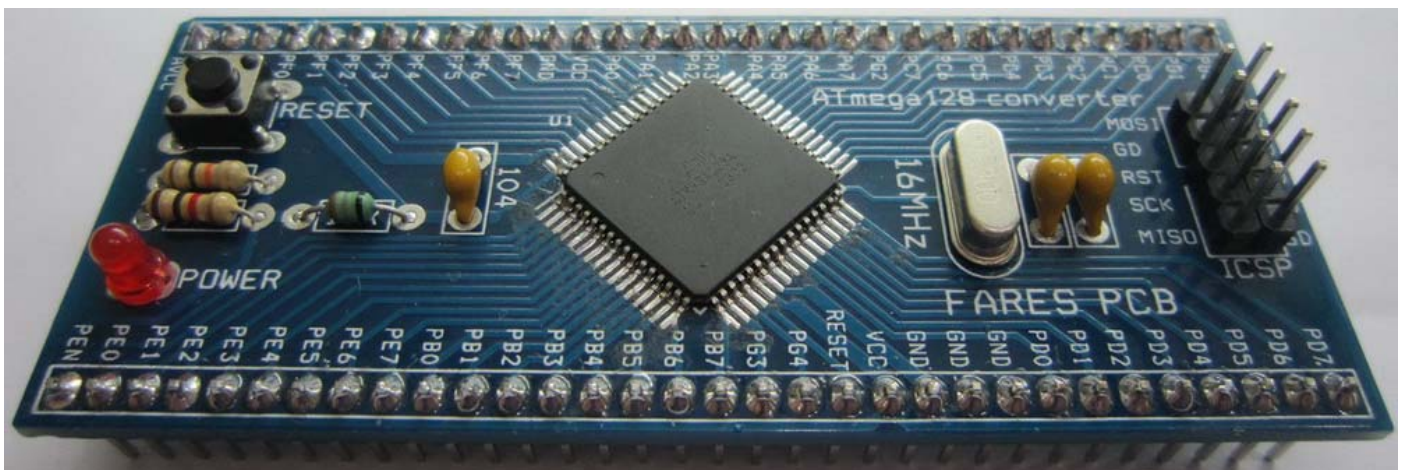
General Description

ATMEGA128 module is a simple way to use SMD ATMEGA128 microcontroller. ATMEGA128 is 8bit AVR microcontroller from ATMEL.

Main ATMEGA128 Features

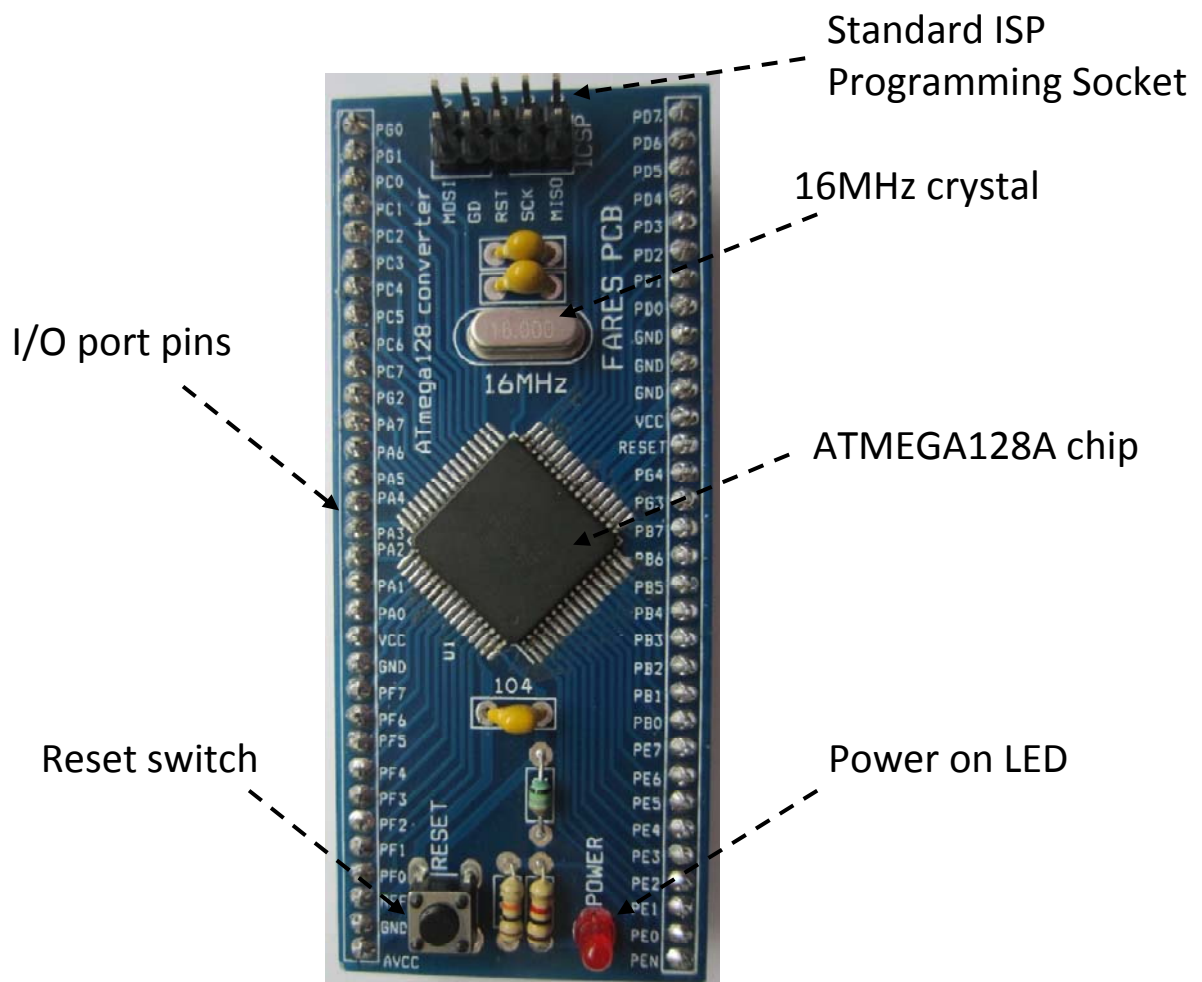
- 128KB Flash program memory
- 4KB EEPROM data memory
- 4KB SRAM
- 53 Programmable I/O lines
- 8 channel 10bit A/D
- Dual Serial UART
- Two wire serial interface
- Master/Slave SPI Interface
- 6 PWM channels
- Two 8bit Timer/Counter and Two 16bit Timer/Counter
- Crystal speed up to 16MHz

Figure1. ATMEGA128 Module



ATMEGA128 Module Features

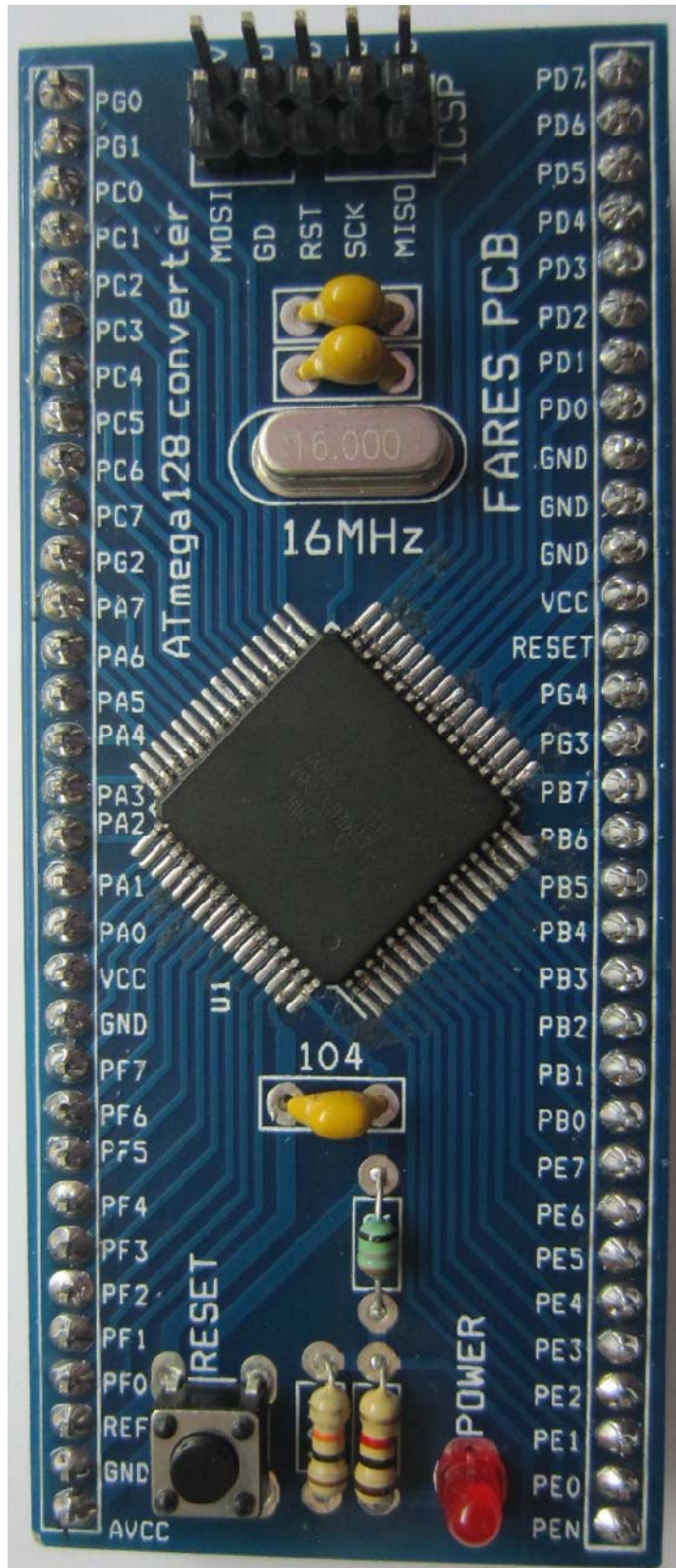
- ATMEGA128A microcontroller chip.
- On board 16 MHz crystals.
- ISP port.
- Power on reset circuit with reset switch.
- Power on LED.
- All port pins are extended to male headers, In addition to REF, RESET and power pins (VCC (+5V) and GND) for both header side.



Pin configuration of ATMEGA128

Pin out function of ATMEGA128A Module

1	PG0
2	PG1
3	PC0
4	PC1
5	PC2
6	PC3
7	PC4
8	PC5
9	PC6
10	PC7
11	PG2
12	PA7
13	PA6
14	PA5
15	PA4
16	PA3
17	PA2
18	PA1
19	PA0
20	VCC
21	GND
22	PF7
23	PF6
24	PF5
25	PF4
26	PF3
27	PF2
28	PF1
29	PF0
30	REF
31	GND
32	AVCC



PD7	64
PD6	63
PD5	62
PD4	61
PD3	60
PD2	59
PD1	58
PD0	57
GND	56
GND	55
GND	54
VCC	53
RESET	52
PG4	51
PG3	50
PB7	49
PB6	48
PB5	47
PB4	46
PB3	45
PB2	44
PB1	43
PB0	42
PE7	41
PE6	40
PE5	39
PE4	38
PE3	37
PE2	36
PE1	35
PE0	34
PEN	33

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