

Connector Standard**Upper Right Connector : Communication****Connector 1x 10 pins Male****Part number : 2211R-10G-LP-F1****Spec files : For ATMEGA32 and ATMEGA8**

| Port | E_port Name | ATMEGA32(TQFP) | ATMEG8(TQFP) |
|------|------------------|----------------|--------------|
| 1 | VCC | VCC (5,38,17) | VCC (4,6) |
| 2 | GND | GND(6,18,39) | GND(3,5) |
| 3 | SCL/ E_PORTD0 | PC0(19) | PC5(28)* JP1 |
| 4 | SDA/ E_PORTD1 | PC1(20) | PC4(27)* JP2 |
| 5 | RX/ E_PORTD2 | PD0(9)** JP3 | PD0(30) * |
| 6 | TX/ E_PORTD3 | PD1(10)* JP4 | PD1(31) * |
| 7 | INT0/ E_PORTD4 | PD2(11) | PD2(32)* JP3 |
| 8 | ICP/ E_PORTD5 | PD6(15)* JP1 | PB0(12)* JP4 |
| 9 | TIMER1/ E_PORTD6 | PD5(14)/OC1A | PB1(13)* JP5 |
| 10 | TIMER2/ E_PORTD7 | PD4(13)/OC1B | PB2(14)* JP6 |

Lower Right connector : Analog Input**Connector 1x 10 pins Male****Part number : 2211R-10G-LP-F1****Spec files :**

| Port | E_port Name | ATMEGA32(TQFP) | ATMEG8(TQFP) |
|------|----------------|----------------|--------------|
| 1 | AVCC | AVCC(27) | AVCC(18) |
| 2 | AREF | AREF(29) | AREF(20) |
| 3 | ADC_1/E_PORTC0 | PA0(37) | PC0(23) |
| 4 | ADC_2/E_PORTC1 | PA1(36) | PC1(24) |
| 5 | ADC_3/E_PORTC2 | PA2(35) | PC2(25) |
| 6 | ADC_4/E_PORTC3 | PA3(34) | PC3(26) |
| 7 | ADC_5/E_PORTC4 | PA4(33) | PC4(27)* |
| 8 | ADC_6/E_PORTC5 | PA5(32) | PC5(28)* |
| 9 | ADC_7/E_PORTC6 | PA6(31) | ADC6(19) |
| 10 | ADC_8/E_PORTC7 | PA7(30) | ADC7(22) |

Upper Left connector : Digital O/P / SPI

Connector 1x 10 pins Male
Part number : 2211R-10G-LP-F1
Spec files : For ATMEGA32 and ATMEGA8

| Port | E_port Name | ATMEGA32(TQFP) | ATMEG8(TQFP) |
|------|-----------------|----------------|--------------|
| 1 | VCC | VCC(5,17,38) | VCC (4,6) |
| 2 | GND | GND(6,18,39) | GND(3,5) |
| 3 | E_PORTA0 | PB0(40) | PD4(2) |
| 4 | E_PORTA1 | PB1(41) | PD5(9) |
| 5 | E_PORTA2 | PB2(42) | PD6(10) |
| 6 | E_PORTA3 | PB3 (43) | PD7(11) |
| 7 | E_PORTA4 /SS | PB4(44) | PD2(32)* |
| 8 | E_PORTA5 / MOSI | PB5(1) | PD3(1)* |
| 9 | E_PORTA6/ MISO | PB6(2) | |
| 10 | E_PORTA7/ SCK | PB7(3) | |

Lower Left connector : Digital I/P
Connector 1x 10 pins Male
Part number : 2211R-10G-LP-F1
Spec files : For ATMEGA32 and ATMEGA8

| Port | E_port Name | ATMEGA32(TQFP) | ATMEG8(TQFP) |
|------|--------------|----------------|----------------------------------|
| 1 | TIMER0 | PD7(16) JP2 | PB3(15)* JP7 |
| 2 | INT1 | PD3(12) | PD3(1)* JP8 |
| 3 | E_PORTB0 | PC2(21) | PB0(12)* |
| 4 | E_PORTB1 | PC3(22) | PB1(13)* |
| 5 | E_PORTB2 | PC4(23) | PB2(14)* |
| 6 | E_PORTB3 | PC5(24) | PB3(15)* |
| 7 | E_PORTB4 | PC6(25) | PB4(44) |
| 8 | E_PORTB5 | PC7(26) | PB5(1) (use for mode switch) |
| 9 | E_PORTB6 | PD7(16) JP2 | |
| 10 | E_PORTB7/ICP | PD6(15) * JP1 | |

* Selectable by Jumpert right left

** Jumper select for using TX/RX or PortD