

Bill of Materials

Title: Bill of Materials for Project [ATMEGA328.PrjPcb] (No PCB Document Selected)

Project: ATMEGA328 EB

Company aKaReZa

Variant: None

Revision: 1.0



| Inflow | LibRef | Footprint | Value | Rating | Package | Type | Description | Comment | Quantity |
|---------|--------------------------|------------------------|------------|---------|----------|------------|------------------------------------|------------|----------|
| inflow? | Cap_Electrolit_SMD | CAP ALUM 5MM | 10u | 6.3V | SMD | Electrolit | Electrolit Capacitor SMD | 10u | 1 |
| inflow? | Cap_Multi_SMD_100nF_0805 | CAP 0805/2012 | 100n | 50V | 0805 | MultiLayer | Bipolar ceramic capacitor SMD | 100n | 7 |
| inflow? | Cap_Multi_SMD_100nF_1206 | CAP 1206/3216 | 100n | 50V | 1206 | MultiLayer | Bipolar ceramic capacitor SMD | 100n | 4 |
| inflow? | Cap_Multi_SMD_0805 | CAP 0805/2012 | 10p | Rating? | 0805 | MultiLayer | Bipolar ceramic capacitor SMD | 10p | 1 |
| inflow? | Cap_Multi_SMD_0805 | CAP 0805/2012 | 22p | Rating? | 0805 | MultiLayer | Bipolar ceramic capacitor SMD | 22p | 4 |
| inflow? | Cap_Tantalum | SMT_C_Tantalum_A | 10u | 16V | Package? | Tantalum | Tantalum Capacitor,TAJ Series-SMD | 10u | 2 |
| inflow? | Cap_Tantalum | SMT_C_Tantalum_A | 22u | 6.3V | Package? | Tantalum | Tantalum Capacitor,TAJ Series-SMD | 22u | 2 |
| inflow? | Con_Arduino_UNO_Con | ARDUINO_UNO_CONNECTOR | UNO | Rating? | Package? | Type? | Arduino UNO Connector | UNO | 1 |
| 6127 | Con_Power_Jack | Power Jack BIG | Female | Rating? | Package? | Type? | Power Jack | Female | 1 |
| inflow? | Con_Prog_MKII_ISP | IDC_2X3 | 3x2 | Rating? | Package? | Type? | 6 Pin Standard ISP Header For MKII | 3x2 | 1 |
| inflow? | Con_USB_C | HRO_TYPE-C-31-M-12 - | 12b | Rating? | SMD | C | USB C Female Connector | 12b | 1 |
| inflow? | IC_Converter_CH340G | SO16_M | CH340G | Rating? | SO-16 | USB to TTL | TTL To USB Chip | CH340G | 1 |
| inflow? | IC_MCU_ATmega328P_SMD | ATMEGA328 | ATmega328P | Rating? | Package? | Type? | 8-Bit AVR Microcontroller with 32K | ATmega328P | 1 |
| 5217 | IC_Reg_AMS1117_3.3 | SOT223_M | 3.3V | 1A | SOT223 | LDO | 1'A Positive voltage regulator | 3.3V | 2 |
| inflow? | Ind_SMD_0805 | IND0805 | 100u | Rating? | 0805 | SMD | Inductor | 100u | 1 |
| inflow? | Other_Elec_Fuse_SMD | 1206_F | 0.5A | Rating? | 1206 | Fast | Short circiut protection | 0.5A | 2 |
| inflow? | Other_Elec_Fuse_SMD | 1206_F | 3A | Rating? | 1206 | Fast | Short circiut protection | 3A | 1 |
| inflow? | Other_Elec_Fuse_SMD | 1206_F | 500m | Rating? | 1206 | Fast | Short circiut protection | 500m | 1 |
| inflow? | Other_Elec_Xtal_SMD | Crystal SMD | 12M | Rating? | SMD | Quartz | Crystal Oscillator | 12M | 2 |
| inflow? | Res_SMD_0805 | RES 0805 (2012X06L) | 1K | 0.125W | 0805 | 10% | Resistor | 1K | 3 |
| inflow? | Res_SMD_0805 | RES 0805 (2012X06L) | 1.8K | 0.125W | 0805 | 10% | Resistor | 1.8K | 2 |
| inflow? | Res_SMD_0805 | RES 0805 (2012X06L) | 4.7K | 0.125W | 0805 | 10% | Resistor | 4.7K | 2 |
| inflow? | Res_SMD_0805 | RES 0805 (2012X06L) | 10K | 0.125W | 0805 | 10% | Resistor | 10K | 2 |
| inflow? | Res_SMD_0805 | RES 0805 (2012X06L) | 220b | 0.125W | 0805 | 10% | Resistor | 220b | 1 |
| inflow? | Res_SMD_0805 | RES 0805 (2012X06L) | 680 | 0.125W | 0805 | 10% | Resistor | 680 | 2 |
| inflow? | Res_SMD_0805 | RES 0805 (2012X06L) | 680b | 0.125W | 0805 | 10% | Resistor | 680b | 1 |
| inflow? | Semi_LED_SMD | LED 0805/2012 GREEN | Green | Rating? | Package? | LED | LED | Green | 2 |
| inflow? | Semi_LED_SMD | LED 0805/2012 RED | Red | Rating? | Package? | LED | LED | Red | 3 |
| inflow? | Semi_LED_SMD | LED 0805/2012 YELLOW | Yellow | Rating? | Package? | LED | LED | Yellow | 1 |
| 5145 | SW_Other_JSelector_Dip | jumper selector | 0b | Rating? | Dip | Selector | Jumper Selector | 0b | 1 |
| 8260 | SW_PushButton_2_SMD | SW_PB_SMD_2PIN_SPST_6X | PB | 2b | SMD | Vertical | SMT Tactile Switch | PB | 1 |

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Approved

Notes

Signature

3/8/2025 11:50 PM

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