

AB111-4-BOM Atmel AVR Development Board Bill Of Materials

| # | Reference Designator | Quantity | Manufacturer | Part Number | Footprint | Description |
|----|---------------------------------------|----------|--------------|-----------------------|----------------|--|
| 1 | C1 C2 | 2 | | 22p | 0805 | Capacitor X7R 50V |
| 2 | C3 C4 C5 C6 C7 C9 C10 C11 C12 C13 C14 | 11 | | 100n | 0805 | Capacitor X7R 50V |
| 3 | C15 | 1 | | 1u | 0805 | Capacitor Y5U 10V |
| 4 | C16 C17 | 2 | Rubycon | 100u 35 YK100M 6.3×11 | Radial 100 mil | Aluminium Electrolytic Capacitor 100u YK 35V |
| 5 | D1 | 1 | Fairchild | SS24 | SMB | SMD 2A Schottky Diode |
| 6 | DS1 DS2 | 2 | Ligitek | LG-150Y-DT | 1206 | SMD Red LED |
| 7 | J1 | 1 | | DC POWER SOCKET 2.0MM | Through-hole | DC Female Socket MJ179P 2mm |
| 8 | JP9 | 0 | | Not Populated | HDR1X1 | Through-hole 100 mil pitch Straight Header |
| 9 | JP8 | 1 | | HDR2X2 | HDR2X2 | Through-hole 100 mil pitch Straight Header |
| 10 | JP1 JP6 JP7 | 3 | | HDR2X3 | HDR2X3 | Through-hole 100 mil pitch Straight Header |
| 11 | JP5 | 1 | | HDR2X4 | HDR2X4 | Through-hole 100 mil pitch Straight Header |
| 12 | JP2 | 1 | | HDR2X5 | HDR2X5 | Through-hole 100 mil pitch Straight Header |
| 13 | JP4 | 0 | | Not Populated | HDR2X11 | Through-hole 100 mil pitch Straight Header |
| 14 | JP3 | 1 | | DB9RA/F | DB9RA/F | Through-hole DB9 Right Angle Female |
| 15 | JP10 | 1 | | 2X1 Screw Terminal | Through-hole | Through-hole 5mm pitch Screw Terminal (H=10mm) |
| 16 | LS1 | 1 | | MBS-03PN | Radial 300 mil | Through-hole +3.3V Self-driven Buzzer |
| 17 | R1 R11 | 2 | | 100R | 0805 | Resistor 1% 1/8W |
| 18 | R2 R3 R4 R5 | 4 | | 1k | 0805 | Resistor 1% 1/8W |
| 19 | R12 R13 | 2 | | 4k7 | 0805 | Resistor 1% 1/8W |
| 20 | R7 | 1 | | 8k2 | 0805 | Resistor 1% 1/8W |
| 21 | R9 | 0 | | Not Populated | 0805 | Resistor 1% 1/8W |
| 22 | R6 R8 | 2 | | 10k | 0805 | Resistor 1% 1/8W |
| 23 | R10 R14 | 2 | | 120R | 0805 | Resistor 1% 1/8W |
| 24 | R15 R16 | 0 | | Not Populated | 0805 | Resistor 1% 1/8W |
| 25 | U1 | 1 | Atmel | ATMEGA128L-8AI | 64A (TQFP64) | AVR 8-Bit RISC Microcontoller |
| 26 | U2 | 1 | Intersil | ISL83072EIBZA | SO8 | 3.3V RS-485/RS-422 Transceiver |
| 27 | U3 | 1 | Atmel | AT45DB041B-SU | SO8W | 4 Megabit 2.7V DataFlash |
| 28 | U4 | 1 | National | LM317TG | TO-220 | 3-Terminal Adjustable Regulator |
| 29 | U5 | 1 | Intersil | ICL3232CBNZ | SO16 | 3.0V to 5.5V RS-232 Transceiver |
| 30 | S1 S2 | 2 | | SW-PB | FSMJ5MA | SMD Push Button Switch |
| 31 | Y1 | 1 | Jauch | 7.3728 MHz | 11X5SMD | Crystal |
| 32 | Y2 | 1 | Jauch | 32.768 kHz | SMF26F-B | Crystal |
| 33 | Q1 | 1 | Fairchild | 2N3906 | SOT-23 | General purpose PNP Transistor |
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