







## karabas-nano-revG

| Reference   | Q-ty | Value            | Footprint        |
|---|------|------------------|------------------|
| C10 C11 C12 C13 C28 C29                                       | 6    | 10uF             | 0805             |
| C14   | 1    | 10uF             | Tantalum B       |
| C15 C33   | 2    | 10nF             | 0805             |
| C17   | 1    | 3n3              | 0805             |
| C30 C31   | 2    | 1nF              | 0805             |
| C16 C18 C19 C20 C21 C22 C23 C24 C25<br>C26 C27 C32 C5 C6 C7   | 15   | 100nF            | 0805             |
| C8  | 1    | 10p              | 0805             |
| C9  | 1    | 220uF            | Tantalum D       |
| D1 D2 D3 D4 D5 D6 D7 D8 D9                                    | 9    | 1N4148W          | SOD-123          |
| D10 D11 D12   | 3    | RED/GREEN/YELLOW | 0805             |
| J1  | 1    | DC 5V            | 5x2.1mm jack     |
| J10   | 1    | PWR              | 1x02             |
| J11   | 1    | AVR ISP          | 2x03             |
| J2  | 1    | TAPE IN/OUT      | TRRS SMD         |
| J3  | 1    | A/V              | TRRS SMD         |
| J4  | 1    | BUS              | 1x16             |
| J5  | 1    | KEYBOARD         | 2x10             |
| J6  | 1    | BUS              | 2x20             |
| J7  | 1    | JTAG             | 2x05             |
| J8  | 1    | KEYBOARD         | 2x08             |
| J9  | 1    | RGB              | 1x06             |
| Q1  | 1    | BC846B           | SOT-23-3         |
| Q2  | 1    | BC856            | SOT-23-3         |
| R10 R13 R22 R7  | 4    | 510              | 0805             |
| R16 R17 R18 R19   | 4    | 75               | 0805             |
| R20   | 1    | 2k2              | 0805             |
| R1 R2 R3 R4 R5 R21 R23 R24 R26 R27 R28<br>R29 R30 R33 R37 R38 | 16   | 10k              | 0805             |
| R25   | 1    | 33k              | 0805             |
| R31   | 1    | 4,7M             | 0805             |
| R32   | 1    | 47k              | 0805             |
| R34 R35 R36   | 3    | 470              | 0805             |
| R11 R14 R8  | 3    | 1k               | 0805             |
| R12 R15 R9  | 3    | 2k               | 0805             |
| RN1 RN2 RN3 RN4 RN5   | 5    | 10k              | 4x0612           |
| SW1 — SW42  | 42   | SPST PTS810      | SPST PTS810      |
| U1  | 1    | Z84C0010AEG      | QFP-44           |
| U13   | 1    | LM1117-3.3       | SOT-223          |
| U2  | 1    | 27C512           | PLCC-32 SMD      |
| U3  | 1    | CY62167ELL       | TSOP-I-48        |
| U4  | 1    | ATmega8A-AU      | TQFP-32          |
| U5  | 1    | ESP8266          | ESP-12F          |
| U6  | 1    | EPM3256ATC144    | LQFP-144         |
| U7  | 1    | MicroSD          | Molex 49225-0821 |
| U9  | 1    | AD724            | SOIC-16W         |
| Y1  | 1    | 28MHz            | 0705             |
| Y3  | 1    | 4.43MHz          | HC49US           |
| Y4  | 1    | 20MHz or 24MHz   | HC49US           |