WiFi CPU Kit – Build 1 unit

BOM for Wifi CPU

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| Part | Value | Description | Component |
| C1 | 0.1uF | 0603 Capacitor |  |
| C2 | 0.1uF | 0603 Capacitor |  |
| C3 | 18pF | 0603 Capacitor |  |
| C4 | 0.1uF | 0603 Capacitor |  |
| C5 | 18pF | 0603 Capacitor |  |
| C6 | 0.1uF | 0603 Capacitor |  |
| C7 | 0.1uF | 0603 Capacitor |  |
| HD1 | 2X3 | Dual row header |  |
| IC1 | AT90USB1286 | TQFP64 Atmel AT90USB1287 |  |
| JP3 | 1X20 | Single row header |  |
| JP4 | 1X20 | Single row header |  |
| LED1 | Green | 0603 LED Green |  |
| LED2 | Green | 0603 LED Green |  |
| R1 | 10k | 0603 Resistor |  |
| R2 | 680 | 0603 Resistor |  |
| R3 | 680 | 0603 Resistor |  |
| R4 | 10k | 0603 Resistor |  |
| SW1 | TAC-SWITCH | Pushbutton switch |  |
| U$1 | RN-131C | WiFLy GSX Module |  |
| X1 | 8 MHz | Crystal 5mm x 3mm |  |