

## iMCU7100EVB Rev1.0 Partlist

| Item | Q.ty | Reference  | Part                                  | Tech. Characteristics         | Package          |
|------|------|--|---------------------------------------|-------------------------------|------------------|
| 1    | 27   | BC1,BC2,BC3,BC4,C5,BC5,C6,BC6,C7,BC7,C8,BC8,C9,BC9,C10,BC10,C11,BC11,C12,BC12,C13,BC13,C14,BC14,C15,BC15,C16 | 0.1uF                                 | 50V-20% Ceramic               | CASE 0603        |
| 2    | 4    | C1,C2,C3,C4  | 18pF                                  | 50V-20% Ceramic               | CASE 0603        |
| 3    | 2    | CP1,CP2  | 100uF / 16V_D                         | 16Vmin 10%                    | EIA/IECQ 7343    |
| 4    | 5    | CP3,CP4,CP6,CP7,CP8  | 10uF / 16V_A                          | 16Vmin 10%                    | EIA/IECQ 3216    |
| 5    | 1    | CP5  | 3.3uF / 16V_A                         | 16Vmin 10%                    | EIA/IECQ 3216    |
| 6    | 1    | DC1  | DC-JACK                               |                               | DIP              |
| 7    | 11   | D1,D2,D3,D4,D5,D6,D7,D8,D10,D11,D12  | CHIP LED, GREEN                       | Green color LED (SMD type)    | CASE 0805        |
| 8    | 1    | D13  | CHIP LED, RED                         | Red color LED (SMD type)      | CASE 0805        |
| 9    | 1    | D9   | 1SS181                                | Switching DIODE               | SC-59            |
| 10   | 4    | FB1,FB2,FB3,FB4  | 1uH                                   | 1uH Chip Ferrite Inductor     | CASE 0805        |
| 11   | 1    | FB5  | HH-1M2012-121JT                       | Chip Ferrite BEAD             | CASE 0805        |
| 12   | 1    | F1   | MiniSMD110F                           | Poly Fuse                     | 4532             |
| 13   | 1    | JP1  | 1x16 16PIN 2.54mm DIP Header (Female) | 2.54mm pitch PIN_HEADER(F)    | DIP 16Pin (1x16) |
| 14   | 1    | JP2  | 2x5 10PIN 2.54mm DIP Header (Male)    | 2.54mm pitch PIN_HEADER(M)    | DIP 10Pin (2x5)  |
| 15   | 1    | P1   | RD1-125BAG1A                          | Transformer + RJ45            | DIP              |
| 16   | 1    | P2   | DSUB-9Pin MALE Right Angle            | RS-232 Serial Connector       | DIP              |
| 17   | 2    | AR1,AR2  | 4.7K x 4 Array (0603 x 4)             | 1/10W-5% SMD                  | CASE 1206        |
| 18   | 2    | R1,R2  | 1M                                    | 1/10W-5% SMD                  | CASE 0603        |
| 19   | 1    | R3   | 300 / 1%                              | 1/10W-1% SMD                  | CASE 0603        |
| 20   | 1    | R4   | 12K / 1%                              | 1/10W-1% SMD                  | CASE 0603        |
| 21   | 4    | R5,R6,R7,R8  | 49.9 / 1%                             | 1/10W-1% SMD                  | CASE 0603        |
| 22   | 13   | R9,R10,R11,R12,R13,R14,R15,R16,R17,R18,R19,R20,R21   | 200                                   | 1/10W-5% SMD                  | CASE 0603        |
| 23   | 1    | R22  | 10K                                   | 1/10W-5% SMD                  | CASE 0603        |
| 24   | 1    | R23  | 680                                   | 1/10W-5% SMD                  | CASE 0603        |
| 25   | 5    | R24,R27,R29,R30,R31  | 4.7K                                  | 1/10W-5% SMD                  | CASE 0603        |
| 26   | 2    | R25,R26  | 0                                     | 1/10W-5% SMD                  | CASE 0603        |
| 27   | 1    | R28  | 330                                   | 1/10W-5% SMD                  | CASE 0603        |
| 28   | 1    | SW1  | AT1D2M3                               | 3Pin Toggle Switch (Straight) | DIP              |
| 29   | 1    | SW2  | 1102A                                 | 4Pin Tact Switch (Straight)   | DIP              |
| 30   | 1    | SW3  | 1204                                  | 3Pin Slide Switch (Straight)  | DIP              |

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|------|------|---------------|--|-----------------------------------|------------------|
| 31   | 1    | SW4           | KSD32  | 6Pin Dip Switch (Straight)        | DIP              |
| 32   | 1    | U1            | W7100  | 8051 + TCP/IP                     | LQFP100          |
| 33   | 1    | U2            | SP3232EBEY                                   | RS-232 Transceiver                | TSSOP16          |
| 34   | 1    | U3            | AMS1117-3.3                                  | 3.3V / 1A OUTPUT LDO              | SOT-223          |
| 35   | 1    | Y1            | 25MHz Crystal (SMD)                          | SMD type CRYSTAL                  | SX-1             |
| 36   | 1    | Y2            | 11.0592MHz Crystal (SMD)                     | SMD type CRYSTAL                  | SX-1             |
| 37   | 1    | Character LCD | LC1624                                       | 16 Character * 2 Line             | DIP              |
| 38   | 1    | Character LCD | 1x16 16Pin 2.54mm Straight Pin Header (Male) | 2.54mm Pitch Pin Header (M)       | DIP 16Pin (1x16) |
| 39   | 1    |               | Printed Circuit Board                        | FR4, 1.6T, 2-Layer / Yellow color |                  |