

iMCU7100EVB Rev1.1 Partlist

Item	Q.ty	Reference	Part	Tech. Characteristics	Package
1	28	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,BC16	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

Item	Q.ty	Reference	Part	Tech. Characteristics	Package
31	1	SW4	KSD32	6Pin Dip Switch (Straight)	DIP
32	1	U1	W7100A	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	U4	MIC811SUY	Reset IC with manual reset	SOT-143
36	1	Y1	25MHz Crystal (SMD)	SMD type CRYSTAL	SX-1
37	1	Y2	11.0592MHz Crystal (SMD)	SMD type CRYSTAL	SX-1
38	1	Character LCD	LC1624	16 Character * 2 Line	DIP
39	1	Character LCD	1x16 16Pin 2.54mm Straight Pin Header (Male)	2.54mm Pitch Pin Header (M)	DIP 16Pin (1x16)
40	1		iMCU7100EVB REV1.1 PCB	FR4, 1.6T, 2-Layer / Blue color	