

## W5300E01-ARM Board Partlist

Item	Q.ty	Reference	Part	Tech. Characteristics	Package
1	52	C1,C2,C3,C4,C5,C6,C7,C8,C15, C16,C17,C18,C19,C20,C21,C22, C23,C24,C25,C26,C27,C28,C29, C30,C31,C32,C33,C34,C35,C36, C37,C38,C39,C40,C41,C42,C43, C44,C45,C46,C47,C48,C49,C51, C52,C55,C56,C58,C59,C60,C61,C7 2	0.1uF	50V-20% Ceramic	CASE 0603
2	4	C11,C12,C13,C14	22pF	50V-20% Ceramic	CASE 0603
3	2	C50,C53	100uF/25V	Aluminum 25Vmin 20%	
4	6	C54,C67,C68,C69,C70,C71	10uF/16V	Tantal 16Vmin 10%	EIA/IECQ 3216
5	5	C62,C63,C64,C65,C66	0.1uF/16V	Tantal 16Vmin 10%	EIA/IECQ 3216
6	1	DC1	DC-Jack	Ø3.5	DIP
7	1	D6	MBR0520LT1	DIODE (SBR)	SOD-123
8	2	FB1,FB2	120 ohm Chip Ferrite Bead	120 ohm @ 100MHz	CASE 0805
9	1	F1	MiniSMD110F/16	Poly-Fuse	SMD4532
10	2	J1,J2	14 x 2 Straight Pin Header(Female)	14 x 2, 2.54 pitch Pin Header (F)	2.54pitch, DIP
11	1	J6	10 x 2 Straight BOX_Socket	10 x 2, 2.54 pitch Box Socket	2.54pitch, DIP
12	1	J7	16 x 1 Straight Pin Header(Female)	16 x 1, 2.54 pitch Pin Header (F)	2.54pitch, DIP
13	1	J8	3 x 1 Straight Pin Header(Male)	3 x 1, 2.54 pitch Pin Header (M)	2.54pitch, DIP
14	2	LED1,LED2	CHIP LED, GREEN		CASE 0805
15	1	D5	CHIP LED, RED		CASE 0805
16	1	P1	D-SUB 9PIN MALE RIGHT ANGLE	RS-232 SERIAL CONNECTOR	DIP
17	1	P2	USB A-TYPE CONNECTOR	USB Host connector	DIP
18	1	P3	USB MINI-TYPE CONNECTOR	USB Device(Slave) connector	SMD
19	6	R1,R2,R15,R16,R17,R18	10K ohm	1/10W-5% SMD	CASE 0603
20	8	R3,R4,R5,R6,R7,R8,R11,R12	4.7K ohm	1/10W-5% SMD	CASE 0603
21	2	R10,R13	200 ohm	1/10W-5% SMD	CASE 0603
22	2	R22,R23	330 ohm	1/10W-5% SMD	CASE 0603
23	2	R14,R21	100K ohm	1/10W-5% SMD	CASE 0603
24	2	R19,R32	1.5K ohm	1/10W-5% SMD	CASE 0603
25	4	R25,R26,R30,R31	22 ohm	1/10W-5% SMD	CASE 0603
26	2	R27,R28	15K ohm	1/10W-5% SMD	CASE 0603
27	1	R33	2K ohm	1/10W-5% SMD	CASE 0603

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28	1	R34	3K ohm	1/10W-5% SMD	CASE 0603
29	1	R35	680 ohm	1/10W-5% SMD	CASE 0603
30	1	SW1	3PIN POWER TOGGLE SWITCH	POWER SWITCH	DIP
31	3	SW2,SW3,SW4	STS-110B	4PIN TACT SWITCH	DIP
32	1	U1	S3C2410A	SAMSUNG ARM 920T PROCESSOR	272-FBGA
33	2	U2,U3	K4S561632H	SDRAM 32MB	TSOP(II)
34	1	U4	K9F1208U	NAND FLASH MEMORY 64MB	TSOP(I)
35	1	U6	AMS1117-3.3	LDO 3.3V OUTPUT	SOT-223
36	1	U7	AMS1117-1.8	LDO 1.8V OUTPUT	SOT-223
37	1	U8	SN74LVC4245APW	Bidirectional Buffer(Level shifter)	TSSOP24
38	1	U9	SP3232ESN	2-CH RS-232 TRANSCEIVER	NSOIC
39	1	U10	SN74LVC1G14DCK	Schmitt trigger Inverter	SC-70
40	1	U36	MIC811RU	RESET IC (ACTIVE LOW OUTPUT)	SOT-143
41	1	Y1	32.768KHz		SMD
42	1	Y2	12MHz		SMD
43	1	Character LCD	LC1624	16 character * 2 line	DIP
44	1	PCB	W5300E01-ARM Rev1.2 / 1.6T 6LAYER		