

KS8695X BOM								
Bill Of Materials								
<u>Item</u>	<u>Quantity</u>	<u>Reference</u>	<u>Part Description</u>	<u>Part Number</u>	<u>Package</u>	<u>Manufacturer</u>	<u>Vendor</u>	<u>Part #</u>
1	2	C1, C2	22 pF, 50V 5% ceramic cap	ECJ-2VC1H220J	0805	Panasonic	Digi-Key	PCC220CNCT-ND
2	13	C3,C6,C7,C18,C19,C46,C47,C95,C96,C97,C98,C99,C100	47uF, 10V Tantalium cap	ECS-T1AD476R	D size	Panasonic	Digi-Key	PCS2476CT-ND
3	69	C4,C5,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C20,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C33,C34,C36,C37,C39,C40,C42,C43,C45,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59,C61,C62,C63,C64,C65,C66,C67,C69,C71,C72,C73,C74,C76,C80,C81,C82,C84,C85,C87,C89,C90,C93,C102,C104	0.1 uF, 50V 5% ceramic cap	C0805C104J5RACTU	0805	Kemet	Digi-Key	399-1171-1-ND
4	5	C32,C35,C38,C41,C44	1000 pF, 2KV 5%	ECK-D3D102KBP	radial leaded	Panasonic	Digi-Key	P4486A-ND
5	4	C60,C68,C70,C91	10 uF, 20V Tantalium cap	ECS-T1DC106R	C size	Panasonic	Digi-Key	PCS4106CT-ND
6	1	C75	22 uF, 10V Tantalium cap	ECS-T1AC226R	C size	Panasonic	Digi-Key	PCS2226CT-ND
7	2	C77,C101	0.01 uF, 50V ceramic cap	ECJ-2VB1H103K	0805	Panasonic	Digi-Key	PCC103BNCT-ND
8	7	C78,C79,C83,C86,C88,C92,C94	Cap 100UF 16V Elect NHG Radial	ECA-1CHG101	radial leaded	Panasonic	Digi-Key	P5529-ND
9	1	C103	Cap 470 uF, 25V large electrolytic		radial leaded			
10	2	C105,C106	1 uF, 50V ceramic cap	ECJ-3FF1H105Z	1206	Panasonic	Digi-Key	PCC2234CT-ND
11	1	D1	LED THIN 635NM RED DIFF 0805 SMD	SML-LXT0805IW-TR	0805	Lumex-Opto	Digi-Key	67-1552-2
12	1	D2	1N4148	1N4148	DO-35	Faichild	Digi-Key	1N4148FS-ND
13	6	FB1,FB2,FB3,FB4,FB5,FB6	EMI Ferrite Chip Beads	HI1206T500R-00	1206	Steward	Digi-Key	240-1009-1-ND
14	1	JP1	Jumper 2x1		0.1 inch center			
15	3	JP2,JP3,JP4	Jumper 3x1		0.1 inch center			
16	1	JP5	Header 10x2		0.1 inch center			
17	1	JP6	Header 5x2		0.1 inch center			
18	5	J1,J2,J3,j4,J5	Single RJ45		RJ45			
19	1	J6	Male MII connector / No Load					
20	1	J7	Female MII connector / No Load	787170-4	female right angle	Amphanol	Arrow	787170-4
21	1	J8	Right Angle 5V Power Jack	RAPC712	Rt. Angle,PCB mount	Switchcraft Inc.	Digi-Key	SC1152-ND
22	1	P1	Right Angle DB9 Male connector	747250-4	DB9	Amphanol	Digi-Key	A2096-ND
23	5	RN1,RN2,RN3,RN4,RN5	8x1M 5% resistor network	EXB-D10C105J	1206	Panasonic	Digi-Key	U9105CT-ND
24	2	RN6,RN7	Resistor Network 330 Ohm 8 pin 4 resistor	742C083331	1206	CTS	Digi-Key	742C083331JCT-ND
25	15	R1,R12,R14,R15,R16,R75,R83,R84,R85,R104,R105,R106,R107,R10	1K 1%	ERJ-6ENF1001V	0805	Panasonic	Digi-Key	P1.00KCCT-ND
26	1	R2	500K, 1%		0805			
27	5	R3,R7,R8,R10,R11	100 Ohm, 1%	ERJ-6ENF1000V	0805	Panasonic	Digi-Key	P100CCT-ND
28	1	R4	3.01K, 1%	ERJ-6ENF3011V	0805	Panasonic	Digi-Key	P3.01KCCT-ND
29	24	R5,R9,R13,R72,R73,R74,R76,R77,R78,R79,R80,R81,R82,R89,R90,R91,R92,R93,R94,R116,R117,R118,R119,R126	10K, 1%	ERJ-6ENF1002V	0805	Panasonic	Digi-Key	P10.0KCCT-ND
30	39	R17,R22,R26,R27,R28,R33,R37,R38,R39,R44,R48,R49,R50,R55,R59,R60,R61,R66,R70,R71,R95,R96,R97,R98,R99,R100,R101,R102,R103,R110,R111,R112,R113,R114,R115,R120,R121,R122,R123	49.9 Ohm,1%	ERJ-6ENF49R9V	0805	Panasonic	Digi-Key	P49.9CCT-ND
31	7	R18,R29,R40,R51,R62,R63,R67	75 Ohm, 1%	ERJ-6ENF75R0V	0805	Panasonic	Digi-Key	P75.0CCT-ND
32	28	R19,R20,R21,R23,R24,R25,R30,R31,R32,R34,R35,R36,R41,R42,R43,R45,R46,R47,R52,R53,R54,R56,R57,R58,R64,R65,R68,R69	51 Ohm, 1%	9C0805A51ROFKHFT	0805	Yageo America	Digi-Key	311-51.0CCT-ND
33	3	R86,R87,R88	330 Ohm, 1%	9C08052A3300FKHFT	0805	Yageo America	Digi-Key	311-330CCT-ND
34	4	R124,R125,R128,R130	1.5K, 1%	ERJ-6ENF1501V	0805	Panasonic	Digi-Key	P1.5KCCT-ND
35	1	R127	680 Ohm, 1%	9C0805A6800FKHFT	0805	Yageo America	Digi-Key	311-680CCT-ND
36	1	R129	2.4K, 1%	9C0805A2401FKHFT	0805	Yageo America	Digi-Key	311-2.40KCCT-ND
37	1	S1	Light Touch SW W/ACT SLD SMD	EVQ-PHP03T		Panasonic	Digi-Key	P8002SCT-ND
38	7	TP1,TP2,TP3,TP4,TP5,TP6,TP7	TP					
39	1	T1	Transformer Quad	H1164		Pulse Engineering	Arrow	H1164
40	1	T2	TransformerSingle	H1102		Pulse Engineering	Arrow	H1102
41	1	U1	KS8695X-qfp208					
42	1	U2	SDRAM 4X32M	MT48LC4M32B2TG-7	TSOP86	Micron	Avnet	MT48LC4M32B2TG-7
43	1	U3	AM29LV033C/TSOP40	AM29LV033C-90EI	TSOP40	AMD	Avnet	AM29LV033C-90EI
44	1	U4	MAX3243CAI/SSOP28	MAX3243CAI	SSOP28	Maxim	Maxim	MAX3243CAI
45	1	U5	74LVX14 / Hex Schmitt Trigger	74LVX14M	SOIC14	Faichild	Arrow	74LVX14M
46	1	U6	EPM3032A / 3032A 44LD TQFP 44NS	EPM3032ATC444	TQFP44	Altera	Arrow	EPM3032ATC444
47	5	U7,U8,U9,U10,U11	LED_2 CBI circuit board indicator Bi-level	553-0123		Dialight	Digi-Key	350-1397-ND
48	3	U12,U13,U14	MIC29302BT			Micrel	Arrow	MIC29302BT
49	1	Y1	Crystal osc. 25Mhz +/-100ppm (Cylinder0	SE3441	CA-301	Epson Electronic		SE3441-ND