KS8695P DEMO BOARD
REVISION 0.2
10-Jun-03

Bill Of Materials

Item	Quantity	Reference	Part Description	Part Number	Package	Manufacturer	Vendor	Part #
1	2	C1,C2	22 pF, 50V 5% ceramic cap	ECJ-1VC1H220J	0603	Panasonic	Digi-Key	PCC220ACVCT-ND
2	14	C3,C4,C23,C40,C82,C83,C96,C97,C161,C162,C163,C164,C165,C16	47uF, 10V Tantalium cap	t491d476k016as	D size	Kemet	Digi-Key	399-1603-2-nd
3	78	C5,C6,C7,C8,C9,C14,C15,C16,C17,C18,C20,C21,C24,C25	0.1 uF, 50V 5% ceramic cap	C0603C104J3RACTU	0603	Kemet	Digi-Key	399-1282-1-ND
		C26,C27,C41,C42,C43,C44,C45,C46,C47,C48,C59,C61,C63,C64						
		C66,C70,C72,C74,C76,C79,C80,C81,C84,C85,C86,C87,C88,C89						
		C90,C91,C92,C93,C94,C95,C98,C99,C100,C101,C102,C103,C104,C105						
		C106,C107,C108,C109,C111,C112,C128,C129,C131,C132,C133,C134,C135						
		C136,C138,C143,C146,C151,C152,C157,C169,C170						
4	32	C10,C11,C12,C13,C28,C29,C30,C31,C32,C33,C34,C36,C38	0.001 uF, 50V 5% ceramic cap	ECJ-1VB1H102K	0603	Panasonic	Digi-Key	PCC1772CT-ND
		C39,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C60,C62,C69						
		C78,C139,C144,C150,C156						
5	5	C65,C67,C71,C73,C75	Cap 1000 pF/2KV Ceramic Disc Y5P	ECK-D3D102KBP	radial leaded	Panasonic	Digi-Key	P4486A-ND
6	8	C68,C77,C110,C114,C115,C116,C127,C130	10 uF, 20V Tantalium cap	ECS-T1DC106R	C size	Panasonic	Digi-Key	PCS4106CT-ND
7	11	C113,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126	0.01 uF, 50V ceramic cap	ECJ-1VB1E103K	0603	Panasonic	Digi-Key	PCC1763CT-ND
8	6	C137,C140,C141,C149,C155,C168	Cap 100UF 16V Elect NHG Radial	ECA-1CHG101	radial leaded	Panasonic	Digi-Key	P5529-ND
9	1	C142	CAPACITOR TANT 2.2UF 16V 10% SMT	T491A225K016AS	TANT A-SIZE	Kemet	Digikey	399-1586-1-ND
10	1	C145	CAP CERAMIC 470PF 100V NPO	ECJ-1VC1H471J	0603	Panasonic	Digi-Key	PCC2147CT-ND
11	2	C147,C148	CAPACITOR TANT 68UF 20V 10% SMT	T491D686K020AS	TANT D-SIZE	Kemet	Digi-Key	399-1620-1-ND
12	2	C153,C154	CAPACITOR TANT 1.0UF 16V 10% SMT	T491A105K016AS	TANT A-SIZE	Kemet	Digi-Key	399-1583-1-ND
13	1	C158	CAP 2700PF 50V CERAMIC X7R	ECJ-1VB1H272K	0603	Panasonic	Digi-Key	PCC1777CT-ND
14	2	C159,C160	CAP 220UF 10V ELECT FC RADIAL	EEU-FC1A221S	ELECTRICAL RADIAL	Panasonic	Digikey	P10220-ND
15	1	C167	Cap 470 uF, 16V large electrolytic	EEU-FC1C471	radial leaded	Panasonic	Digikey	P10248-ND
16	3	D1,D2,D9	LED 0805	SML-LXT0805GW-TR	0805	Lumex-Opto	Digi-Key	67-1553-1-ND
17	1	D3	1N4148 DO-35	1N4148	DO-35	Faichild	Digi-Key	1N4148FS-ND
18	5	D4,D5,D6,D7,D8	LED 3x1	L354GGGD-H330		American Opto Plus	Medland & Associates	L354GGGD-H330
19	1	D10	1N5819HW		1206			
20	5	FB1,FB2,FB3,FB4,FB5	FBEAD	LI1206K260R-00	1206	Steward	Digi-Key	240-1027-1-ND
21	3	JP1,JP2,JP3	JUMPER3x1			Molex	Digi-Key	WM6804-ND
22	1	JP4	HEADER 10X2 0.1 inch ctr.			Molex	Digi-Key	WM6910-ND
23	1	JP5	HEADER 4X1 0.1 inch ctr.					
24	1	J1	1x5 Gang RJ-45	RT-TG15-5-SOB-88-Q2	1x5 Gang	Raycon	Raycon	RT-TG15-5-SOB-88-Q2
25	1	J2	MiniPCI Connector TypeIII	1318228-1	Mini PCI connector	Tyco	Arrow	1318228-1
26	1	J3	Power Jack	RAPC712	Rt. Angle,PCB mount	Switchcraft Inc.	Digi-Key	SC1152-ND
27	1	L1	2.5 uH	CDRH8D28-2R5NC		SUMIDA AMERICA		
28	1	P1	DB9 MC	747250-4	DB9		Digi-Key	A2096-ND
29	1	Q1	Si4825DY	Si4825DY		VISHAY	Arrow	Si4825DY
30	1	Q2	Si4858DY	Si4858DY		VISHAY	Arrow	Si4858DY
31	5	RN1,RN2,RN3,RN4,RN5	RN8P4R_1 330	742C083331	1206	CTS	Digi-Key	742C083331JCT-ND
32	5	R1,R2,R5,R121,R122	33 OHM 1% 0603	ERJ-3EKF33R2V	0603	Panasonic	Digi-Key	P33.2HCT-ND
33	8	R3,R6,R7,R8,R13,R14,R20,R114	1K 1% 0603	ERJ-3EKF1001V	0603	Panasonic	Digi-Key	P1.00KHCT-ND
34	34	R4,R10,R11,R12,R15,R76,R77,R78,R83,R84,R85,R86,R87,R88,R89	10K 1% 0603	ERJ-3EKF1002V	0603	Panasonic	Digi-Key	P10.0KHCT-ND
		R90,R91,R92,R99,R100,R101,R102,R103,R104,R105,R106,R107,R108						
		R109,R110,R111,R112,R113,R119						
35	1	R9	3.01K OHM 0603	ERJ-3EKF3011V	0603	Panasonic	Digi-Key	P3.01KHCT-ND
36	4	R16,R17,R18,R19	100 ohms 1% 0603	ERJ-3EKF1000V	0603	Panasonic	Digi-Key	P100HCT-ND
37	20	R21,R22,R23,R24,R32,R33,R41,R42,R50,R51,R59,R63,R68,R69,R7	49.9 OHM 1% 0603	ERJ-3EKF49R9V	0603	Panasonic	Digi-Key	P49.9HCT-ND
		R71,R72,R73,R74,R75,R81						
38	7	R25,R26,R29,R34,R43,R52,R60	75 OHM 1% 0603	ERJ-3EKF75R0V	0603	Panasonic	Digi-Key	P75.0HCT-ND
39	28	R27,R28,R30,R31,R35,R36,R37,R38,R39,R40,R44,R45,R46,R47,R4	51 OHM 1% 0603	ERJ-3EKF51R1V	0603	Panasonic	Digi-Key	P51.1HCT-ND
		R49,R53,R54,R55,R56,R57,R58,R61,R62,R64,R65,R66,R67						
40	2	R79,R80	187 OHM 0603 1%	ERJ-3EKF1870V	0603	Panasonic	Digi-Key	P187HCT-ND
41	1	R82	4.99K OHM 1% 0603	ERJ-3EKF4991V	0603	Panasonic	Digi-Key	P4.99KCT-ND
42	6	R93,R94,R95,R96,R97,R98	2.7K 1% 0603	ERJ-3EKF2741V	0603	Panasonic	Digi-Key	P2.74KHCT-ND
43	1	R115	332 OHM 1% 0603	ERJ-3EKF3320V	0603	Panasonic	Digi-Key	P332HCT-ND
44	1	R116	0.012 OHM 2010 1%	WSL-2010 .012	2010	VISHAY		
45	1	R117	10 OHM 1% 0603	ERJ-3EKF10R0V	0603	Panasonic	Digi-Key	P10.0HCT-ND
46	1	R118	18.2K Ohms 1% 0603	ERJ-3EKF1821V	0603	Panasonic	Digi-Key	P18.2KHCT-ND
47	1	R120	6.04K 1% 0603	ERJ-3EKF6041V	0603	Panasonic	Digi-Key	P6.04KHCT-ND
48	1	S1	SW PUSHBUTTON	EVQ-PHP03T		Panasonic	Digi-Key	P8002SCT-ND
49	8	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8	TP					
50	1	T1	QUAD	H1164		Pulse Engineering	Arrow	H1164
51	1	T2	SINGLE	H1102		Pulse Engineering	Arrow	H1102
52	1	U1	KS8695P					
53	2	U2,U3	HY57V283220T	MT48LC4M32B2TG-7	TSOP86	Micron	Avnet	MT48LC4M32B2TG-7
54	1	U4	MX29LV033/TSOP40	AM29LV033C-90EI	TSOP40	AMD	Avnet	AM29LV033C-90EI
55	1	U5	74LVX14	74LVX14M	SOIC14	Faichild	Arrow	74LVX14M
56	1	U6	74LVX02	74LVX02M		Faichild	Arrow	74LVX02M
57	1	U7	NC7SP05	NC7SP05X		Faichild	Future	NC7SP5X
58	1	U8	MAX3243CAI/SSOP28	MAX3243CAI	SSOP28	Maxim	Maxim	MAX3243CAI
59	1	U9	MIC5209-1.8BM	MIC5209-1.8BM		Micrel	Arrow	MIC5209-1.8BM
60	1	U10	MIC2193-BM	MIC2193-BM		Micrel	Arrow	MIC2193BM
61	1	U11	MIC29300-3.3BT	MIC29300-3.3BT		Micrel	Arrow	MIC29300-3.3BT
62	1	Y1	25MHZ Crystal	CA-301 25.000M-C	CA-301	Epson Electronic	Digi-Key	SE3441-ND