



Production Release

BOM - SUB-ASSEMBLY 6XX-40024R
Revision 0A 29823
[DSP-DK-2S180/C3 ROHS BOARD ASSY]

BOM

Effective From: 07/27/2006 12:00:00 AM PDT **To:**

Level	Item Number	Item Description	Item Rev	Qty	Find Num	Ref Des	Notes	NoStuff	Par
	Mfr. Name	Mfr. Part Number	Mfr. Part Description	Mfr. Part Lifecycle Phase	Preferred Status	Reference Notes	Mfr. Address		
.1	P23-09901R	TEST HEADER	00 MCO-00232	23	1	5V1, 5V2, 1_2V1, 1_2V2, 3_3V1, 3_3V2, GND1- GND12, TM1, TM2, TP1, TP3, VUNREG1			
	Molex	22-28-4100	Test Header	Active	Preferred		2222 Wellington Court		
						C1, C2, C5-C7, C22, C23, C26-C28, C48, C55, C60, C86, C88, C90,			

C91, C94,
C95,
C101-
C103,
C132,
C134,
C136,
C138,
C140,
C142,
C144,
C168-
C187,
C195,
C197,
C200,
C201,
C205,
C206,
C211-
C216,
C273,
C287-
C289,
C313,
C314,
C317,
C318,
C320,
C337-
C358,
C368-
C373,
C384-
C387,
C390,
C391,
C397,
C401,
C403,
C405,
C409,
C412,
C414,
C416,
C418,

.1 P03-08620R CAP - 0.001UF 0603 50V X7R 00 MCO-00232 118 2

C420,
C423,
C425,
C428,
C430

Panasonic	ECJ-1VB1H102K	CAP - 0.001uF 0603 50V X7R	Active	Preferred	One Panasor Way
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C3, C4,
C8-C12,
C15-C19,
C21, C24,
C25,
C29-C33,
C36-C40,
C42-C44,
C47, C50,
C54, C59,
C61-C63,
C68, C71,
C72, C75,
C76, C79,
C82, C83,
C87, C92,
C93,
C96-C98,
C104,
C105,
C108,
C112,
C116,
C120,
C124,
C128,
C131,
C133,
C135,
C137,
C139,
C141,
C143,
C145-
C164,

.1	P03-08618R	CAP - 0.1UF 0603 16V X7R	00 MCO-00290	155	3	C194, C196, C202- C204, C207- C209, C217, C218, C223- C225, C237, C245, C257, C269, C272, C300- C302, C305- C308, C311, C312, C315, C316, C319, C321- C336, C359- C367, C374- C383, C388, C389, C393, C394, C406, C407	
	Panasonic		ECJ-1VB1C104K	CAP - CERAMIC, 0.1UF, 16V, X7R, 10% 0603	Active	Preferred	One Panasor Way
.1	P03-15041R	CAP - 10UF 16V TE TANT	00 28171	13	4	C13, C14, C34, C35, C49, C51, C56, C65,	

		Kemet Corporation	T491B106M016AT	CAP - 10uF 16V TE Tant	Active	Preferred	P.O. Box 592	C66, C78, C279, C303, C392
.1	P03-10464R	CAP - 10PF NPO 50V SMD 0603	00 MCO-00232	3	5	C20, C41, C106		
		Yageo America/Phycomp	0603CG100J9B200	CAP - 10pF NPO 50V SMD 0603	Active	Preferred	15530 Wood Red Road ST B100	
.1	P03-10465R	CAP - 0.47UF X5R 10V SMD 0603	00 MCO-00232	4	6	C45, C46, C52, C53		
		Kemet Corporation	C0603C474K8PACTU	CAP - 0.47uF X5R 10V SMD 0603	Active	Preferred	P.O. Box 592	
.1	P03-15051R	CAP - 220UF TANT 16V 10% SMD CAN	00 MCO-00303	2	7	C57, C58		
		Panasonic	EEE-FK1C221P	CAP ELECT 220UF 16V 20% FK SMD	Active	Preferred	One Panasor Way	
		Panasonic	EEE-FK1C221XP	CAP-220UF TANT 16V 20% SMD	Active	Alternate	One Panasor Way	
.1	P03-08619R	CAP - 1UF 0603 10V Y5V	00 MCO-00232	15	8	C64, C67, C74, C77, C89, C110, C114, C118, C122, C126,		

	Panasonic	ECJ-1VF1A105Z	CAP - 1uF 0603 10V Y5V	Active	Preferred	C130, C292- C295	One Panasor Way
.1	P02-14007R	RES - 0 OHM, 5% 0603 1/10W	00 27784	9	9	C69, C80, R3, R13, R89-R93	
	Panasonic	ERJ-3GEY0R00V	RES - 0 OHM, 5% 0603 1/10W	Active	Preferred		One Panasor Way
.1	P03-08621R	CAP - 0.01UF 0603 50V X7R	00 MCO-00232	15	10	C85, C107, C111, C115, C119, C123, C127, C275, C284- C286, C290, C291, C304, C310	
	Panasonic	ECJ-1VB1H103K	CAP - 0.01uF 0603 50V X7R	Active	Preferred		One Panasor Way
.1	P03-08624R	CAP - 33PF 0603 50V NPO	00 MCO-00232	2	11	C99, C100	
	Panasonic	ECJ-1VC1H330J	CAP - 33pF 0603 50V NPO	Active	Preferred		One Panasor Way
						C109,	

.1	P03-08626R	CAP - 2.2UF 0603 10V	00 MCO-00232	7	12	C113, C117, C121, C125, C129, C309	
	Panasonic		ECJ-1VF1A225Z	CAP - 2.2uF 0603 10V	Active	Preferred	One Panasor Way
.1	P03-15054R	CAP - 10UF TANT 10% 35V LOW ESR 7343-31	00 MCO-00391	5	13	C165, C192, C193, C210, C278	
	EPCOS		B45197A6106K409	CAP - 10uF Tant 10% 35V Low ESR 7343-31	Active	Preferred	1040 East Meadow Circ
	Nemco Electronics Corporation		LSR10/35D125	CAP - 10UF TANT 10% 35V LOW ESR 7343	Active	Alternate	675 Mariners Island Blvd.
.1	P03-15042R	CAP - 68UF 25V 7343 10%	00 MCO-00358	4	14	C235, C247, C259, C277	
	Kemet Corporation		T495X686K025ATE200	CAP - 68uF 25V 7343 10%	Active	Preferred	P.O. Box 592
.1	P03-10468R	CAP - 0.22UF 10V CERAMIC CAPACITOR 0603	00 MCO-00316	3	15	C236, C248, C260	
	Panasonic		ECJ-1VB1A224K	CAP - 0.22uf 10V ceramic capacitor 0603	Active	Preferred	One Panasor Way

.1	P03-10469R	CAP - 100UF 10V LOESR 10%	00 MCO-00232	12	16	C238- C241, C250- C253, C262- C265
	AVX Corp	TPSD107K010R0065	CAP - 100uF 10V LOESR 10%	Active	Preferred	2925 Bayvie Drive
.1	P03-10823R	CAP - 3300PF 0603 50V X7R	00 MCO-00319	3	17	C242, C254, C266
	Panasonic	ECJ-1VB1H332K	CAP - 3300PF 0603 50V X7R 10%	Active	Preferred	One Panasor Way
.1	P03-08518R	CAP - 4.7UF Y5V 10V SMD 0805	00 MCO-00232	3	18	C244, C256, C268
	Panasonic	ECJ-2YF1A475Z	CAP - 4.7uF Y5V 10V SMD 0805	Active	Preferred	One Panasor Way
.1	P03-10470R	CAP - 470PF NPO 50V SMD 0603	00 MCO-00232	3	19	C246, C258, C270
	Panasonic	ECJ-1VC1H471J	CAP - 470pF NPO 50V SMD 0603	Active	Preferred	One Panasor Way
.1	P03-10471R	CAP - 100UF 25V FC TANT	00 MCO-00232	5	20	C271, C274, C281- C283
	Panasonic	EEU-FC1E101S	CAP - 100uF 25V FC Tant	Active	Preferred	One Panasor Way

.1	P03-15053R	CAP - 15UF 16V FC TANT	00 MCO-00263	1	21	C280	
	AVX Corp	TAJB156K016R	CAP - 15UF 16V 10% FC TANT	Active	Preferred	2925 Bayvie Drive	
.1	P03-10473R	CAP - 0.1UF 0603 25V X7R	00 MCO-00232	15	22	C395, C396, C400, C402, C404, C408, C411, C413, C415, C417, C419, C422, C424, C427, C429	
	Kemet Corporation	C0603C104J3RACTU	CAP - 0.1uF 0603 25V X7R	Active	Preferred	P.O. Box 592	
.1	P23-08653R	CF_HEADER	00 MCO-00232	1	23	CON1	
	Molex	53856-5070	CF_Header	Active	Preferred	2222 Wellington Court	
.1	P09-21012R	LED - BLUE C150 (1206)	00 MCO-00320	8	24	D1-D8	
	Lite-On	LTST-C150TBKT	LED - Blue C150 (1206)	Active	Preferred	720 S. Hillview Driv	
.1	P21-34001R	BRIDGE RECTIFIER 10A 50V	00 28171	1	25	D9	
			Bridge Rectifier				

	Micro Commercial Components	MB1005MSP	10A 50V	Active	Preferred	
.1	P08-20026R	DIODE - SCHOTTKY CMDSH2-3 200MA 30V SOD-323	00 MCO-00337	3	26	D10, D12, D14
	Central Semiconductor	CMDSH2-3 Lead Free	DIODE - Schottky Rectifier Diode 200mA	Active	Preferred	145 Adams Ave.
.1	P08-20019R	DIODE - SCHOTTKY, MBRS340, SMC403, 40V, 3A	00 MCO-00387	3	27	D11, D13, D15
	International Rectifier	MBRS340TRPbF	DIODE - SCHOTTKY 40V 3A SMC	Active	Alternate	233 Kansas St.
	On Semiconductor	MBRS340T3G	DIODE - Schottky, MBRS340, SMC403, 40V, 3A	Active	Preferred	5005 East McDowell Road
.1	P08-20010R	SCHOTTKY RECTIFIER DIODE	00 28171	1	28	D16
	International Rectifier	30BQ015PbF	Schottky Rectifier Diode	Active	Preferred	233 Kansas St.
.1	P08-20011R	DIODE 1A SM 1N4001	00 28171	6	29	D17-D21, D26
	Diodes Inc.	S1A-F	Diode 1A SM 1N4001	Active	Preferred	3050 E. Hillcrest Driv
.1	P09-21011R	LED - GREEN C150 (1206)	00 MCO-00320	5	30	D22, D23, LED1, LED3, LED7

		Lite-On	LTST-C150GKT	LED Green C150 (1206)	Active	Preferred	720 S. Hillview Driv
.1	P23-08661R	SMA COAXIAL CONN. RECEPTACLE	00 MCO-00232	7	31	J1, J2, J10-J12, J15, J17	
		Amphenol Interconnect Products Corporation	901-144-8RFX	SMA Coaxial Conn. Receptacle	Active	Preferred	Industrial, Automotive, and Broadband Sales Office
.1	P23-10478R	CONN - 2X3 .100" CENTER HEADER	00 MCO-00283	2	32	J3, J4	
		3M/ESD	929665-09-36-1	2x36 .100" Center Header (Cut to desired length)	Active	Preferred	3M Corporat Headquarter 3M Center
.1	P23-10479R	TSM 0.100" 20X2 SURFACE MOUNT HEADER	00 MCO-00232	2	33	J5, J6	
		Samtec	TSM-120-01-S-DV-A	TSM 0.100" 20X2 Surface Mount Header	Active	Preferred	985 Universi Avenue Suite 38a
.1	P23-08568R	AUDIO 3.5MM STEREO JACK	00 MCO-00241	3	34	J7-J9	
		CUI, Inc.	SJ-3515N	AUDIO 3.5MM STEREO JACK	Active	Preferred	9615 SW All Blvd, Suite 103
.1	P23-10480R	TSM 0.100" 5X2 THRU SHROUDED HEADER	00 MCO-00232	2	35	J13, J21	
		Samtec	TST-105-01-T-D	TSM 0.100" 5X2 Thru Shrouded Header	Active	Preferred	985 Universi Avenue Suite 38a
		2X4 .100" CENTER HEADER					

.1	P23-10482R VERT SMD	00 MCO-00232	2	36	J18, J19	
	Samtec	TSM-104-01-T-DV-TR	2x4 .100" Center Header Vert SMD	Active	Preferred	985 Universi Avenue Suite 38a
.1	P23-08655R 38PIN MICTOR HEADER	00 MCO-00283	1	37	J20	
	AMP/Tyco (Tyco Electronics Corporation)	2-767004-2	38Pin Mictor Header	Active	Preferred	P.O. Box 360
.1	P23-35064R DC JACK 2.5MM	00 28071	1	38	J22	
	CUI, Inc.	PJ-202B	DC Jack 2.5mm	Active	Preferred	9615 SW All Blvd, Suite 103
.1	P23-08660R 2X20 .100 CENTER HEADER	00 MCO-00263	2	39	J23, J27	
	3M/ESD	929665-09-20-1	CONN - 2x20 .100" Center Header	Active	Preferred	3M Corporat Headquarter 3M Center
	3M/ESD	929665-09-36-1	2x36 .100" Center Header (Cut to desired length)	Active	Alternate	3M Corporat Headquarter 3M Center
.1	P23-08658R 2X7 .100 CENTER HEADER	00 MCO-00263	2	40	J24, J26	
	3M/ESD	929665-09-07-1	CONN - 2x7 .100" Center Header	Active	Preferred	3M Corporat Headquarter 3M Center
	3M/ESD	929665-09-36-1	2x36 .100" Center Header (Cut to desired length)	Active	Alternate	3M Corporat Headquarter 3M Center
.1	P23-09426R 2X10 .100 CENTER HEADER	00 MCO-00289	2	41	J25, J28	

	3M/ESD	929665-09-10-I	CONN - 2x10 .100" Center Header	Active	Preferred	3M Corporat Headquarter 3M Center
	3M/ESD	929665-09-36-I	2x36 .100" Center Header (Cut to desired length)	Active	Alternate	3M Corporat Headquarter 3M Center
	Molex	010-89-7202	2x10 .100" Center Header	Active	Alternate	2222 Wellington Court
	Samtec	TSW-110-07-G-D	CONN 0.1" 20pin Header	Active	Alternate	985 Universi Avenue Suite 38a
.1	P23-35071R	CONN - DB9 FEMALE	00 MCO-00271	1	42	J29
	AMP/Tyco (Tyco Electronics Corporation)	5745781-4	CONN - DB9 FEMALE	Active	Preferred	P.O. Box 360
.1	P23-10484R	TFM 1.27MM 40X2 HEADER	00 MCO-00232	2	43	J31, J33
	Samtec	TFM-140-32-S-D-LC	TFM 1.27mm 40x2 Header	Active	Preferred	985 Universi Avenue Suite 38a
.1	P23-35088R	CONN - HIGH DENSITY, DB15, D-SUB 15 RIGHT ANGLE	00 MCO-00393	1	44	J35
	Adam Tech	HDL15SLB	CONN - High Density D-SUB 15 Socket Right Angle	Active	Preferred	909 Rahway Avenue
	Kycon, Inc.	K66X-E15S-N	DB15 FEMALE VGA RIGHT ANGLE	Active	Alternate	1810 Little Orchard St.

.1	P23-10486R	1X3 .100"CENTER HEADER	00 MCO-00291	1	45	J36	
	3M/ESD		929665-09-36-I	2x36 .100" Center Header (Cut to desired length)	Active	Alternate	3M Corporat Headquarter 3M Center
	Samtec		TSW-103-07-G-S	CONN 0.1" 3PIN HEADER	Active	Preferred	985 Universi Avenue Suite 38a
.1	P23-10481R	2X1 .100" CENTER HEADER	00 MCO-00316	3	46	J37-J39	
	3M/ESD		929665-09-36-I	2x36 .100" Center Header (Cut to desired length)	Active	Preferred	3M Corporat Headquarter 3M Center
	Samtec		TSW-102-07-G-S	CONN 0.1" 2 PIN HEADER	Active	Alternate	985 Universi Avenue Suite 38a
.1	P04-16021R	IND - FERRITE BEAD 0805 33 OHM	00 28265	4	47	L1, L3, L13, L14	
	Cal-Chip Electronics Inc.		FB201209T-330Y-S-LF	IND - FERRITE BEAD 0805 33 Ohm	Active	Preferred	48521 Warm Springs Blvd Suite 315
.1	P04-10488R	IND - FERRITE BEAD 220OHM 2000MA 0805	00 MCO-00232	6	48	L5, L6, L8-L11	
	Murata		BLM21PG221SN1D	IND - Ferrite Bead 220ohm 2000mA 0805	Active	Preferred	2200 Lake Park Drive
.1	P04-16000R	FERRITE BEAD 800MA 120 OHM	00 27784	7	49	L7, L16- L21	
				IND - FERRITE			1200 E. 36th

	Steward	LI0805H121R-10	BEAD 800MA 120OHM	Active	Preferred	Street P.O. Box 510
.1	P05-08629R	IND - 47NH 300MA 0603	00 MCO-00232	2	50	L12, L15
	Panasonic	ELJ-RE47NJF2	IND - 47nH 300mA 0603	Active	Preferred	One Panasor Way
.1	P04-16007R	IND - 2.8UH 20% 100KHZ	00 28171	3	51	L22-L24
	Sumida	CEP125NP-2R8	IND - 2.8uH 20% 100Khz	Active	Preferred	
.1	P04-16010R	IND - 22UH 2.6A SM	00 28171	1	52	L25
	Coilcraft	DO3316P-223ML	IND - 22uH 2.6A SM	Active	Preferred	1102 Silver Lake Road
.1	P04-16008R	IND - 10UH 1.10A 0.15OHM DSR CDRH62B	00 28171	1	53	L27
	Sumida	CDRH62BNP-100MC	IND - 10uH 1.10A 0.15ohm DSR CDRH62B	Active	Preferred	
.1	P09-21010R	LED - YELLOW C150 (1206)	00 MCO-00340	1	54	LED2
	Lite-On	LTST-C150YKT	LED Yellow C150 (1206)	Active	Preferred	720 S. Hillview Driv
.1	P08-20005R	LED RED SMD 1206 VERT	00 27784	3	55	LED4- LED6
	Lite-On	LTST-C150KRKT	LED RED SMD 1206 VERT	Active	Preferred	720 S. Hillview Driv

.1	P18-31001R	MOSFET N CHANNEL FAST SWITCHING	00 28171	6	56	Q1-Q6	
		Fairchild Semiconductor	FDS6680A_NL	MOSFET N Channel Fast Switching	Active	Preferred	Bay Area Sales
.1	P18-31002R	IC, MOSFET, N-CHANNEL, 20V	00 MCO-00339	1	57	Q7	
		Fairchild Semiconductor	FDV305N_NL	MOSFET Power 20V 0.9A	Active	Preferred	Bay Area Sales
.1	P02-08600R	RES - 49.9 OHM 0603 1/16W 1%	00 MCO-00232	43	58	R1, R2, R4, R6, R8, R11, R12, R14, R16, R18, R39, R41, R42, R59, R60, R64, R65, R77, R78, R199-R222	
		Panasonic	ERJ-3EKF49R9V	RES - 49.9 ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-08605R	RES - 33.2 OHM 0603 1/16W	00 MCO-00232	16	59	R5, R9, R15, R19, R102, R103,	

1%

R121-
R128,
R193,
R194

Panasonic

ERJ-3EKF33R2V

RES - 33.2 ohm
0603 1/16W 1%

Active

Preferred

One Panasor
Way.1 P02-10463R RES - 95.3 OHM 0603 1/10W
1%

00 28171

12

60

R21-R24,
R67-R70,
R165,
R166,
R177,
R178

Yageo America/Phycomp

9C06031A95R3FKPFT

RES - 95.3 ohm
0603 1/10W 1%

Active

Preferred

15530 Wood
Red Road ST
B100.1 P02-10464R RES - 143 OHM 0603 1/10W
1%

00 28171

12

61

R25-R28,
R71-R74,
R167,
R168,
R179,
R180

Yageo America/Phycomp

9C06031A1430FKPFT

RES - 143 ohm
0603 1/10W 1%

Active

Preferred

15530 Wood
Red Road ST
B100.1 P02-10495R RES - 4.7K OHM 0603 1/10W
5%

00 MCO-00335

4

62

R29-R32

Panasonic

ERJ-3GEYJ472V

RES,4.70K OHMS,
1.0%, 1/10W,
0603

Active

Preferred

One Panasor
Way.1 P02-08486R RES - 100 OHM 0603 1/16W
1%

00 MCO-00232

2

63

R33, R34

Panasonic

ERJ-3EKF1000V

RES - 100 ohm

Active

Preferred

One Panasor

0603 1/16W 1%

Way

.1	P02-08606R	RES - 47.5K OHM 0603 1/16W 1%	00 MCO-00232	4	64	R35-R38	
	Panasonic		ERJ-3EKF4752V	RES - 47.5K ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-10465R	RES - 93.1 OHM 0603 1/10W 1%	00 28171	1	65	R43	
	Yageo America/Phycomp		9C06031A93R1FKPFT	RES - 93.1 ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-10466R	RES - 140 OHM 0603 1/10W 1%	00 28171	1	66	R44	
	Yageo America/Phycomp		9C06031A1400FKPFT	RES - 140 ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-08597R	RES - 1K 0603 1/16W 1%	00 MCO-00232	8	67	R45, R47, R144, R147, R154, R156, R171, R173	
	Panasonic		ERJ-3EKF1001V	RES - 1K 0603 1/16W 1%	Active	Preferred	One Panasor Way
						R46, R82, R83, R95, R97, R139,	

.1	P02-08599R	RES - 10K 0603 1/16W 1%	00 MCO-00232	13	68	R145, R162- R164, R176, R223, R224	
	Panasonic		ERJ-3EKF1002V	RES - 10K 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-08598R	RES - 5.6K 0603 1/16W 5%	00 MCO-00232	17	69	R48, R49, R86-R88, R98, R111, R117, R157, R158, R161, R174, R175, R184, R189, R226, R227	
	Panasonic		ERJ-3GEYJ562V	RES - 5.6K 0603 1/16W 5%	Active	Preferred	One Panasor Way
.1	P02-08607R	RES - 200 OHM 0603 1/16W 1%	00 MCO-00232	9	70	R50-R56, R185, R186	
	Panasonic		ERJ-3EKF2000V	RES - 200 ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-10498R	RES - 2K OHM 0603 1/16W 1%	00 MCO-00232	4	71	R58, R63, R140, R146	

		Panasonic	ERJ-3EKF2001V	RES - 2K ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-08603R	RES - 24.9 OHM 0603 1/16W 1%	00 MCO-00232	4	72	R75, R76, R79, R80	
		Panasonic	ERJ-3EKF24R9V	RES - 24.9 ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-08604R	RES - 11K OHM 0805 1/10W 1%	00 MCO-00232	1	73	R81	
		Panasonic	ERJ-6ENF1102V	RES - 11K ohm 0805 1/10W 1%	Active	Preferred	One Panasor Way
.1	P02-08596R	RES - 330OHM 0603 1/16W 5%	00 MCO-00232	8	74	R84, R85, R96, R110, R114, R119, R190, R228	
		Panasonic	ERJ-3GEYJ331V	RES - 330ohm 0603 1/16W 5%	Active	Preferred	One Panasor Way
.1	P02-10499R	RES - 90.9 OHM 0603 1/16W 1%	00 MCO-00232	6	75	R99, R101, R105, R107, R115, R118	
		Panasonic	ERJ-3EKF90R9V	RES - 90.9 ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way

.1	P02-10467R	RES - 137 OHM 0603 1/10W 1%	00 28171	6	76	R100, R104, R106, R108, R116, R120	
		Yageo America/Phycomp	9C06031A1370FKPFT	RES - 137 ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-10468R	RES - 1.4M OHM 0805 1/8W 1%	00 28171	3	77	R129, R135, R141	
		Yageo America/Phycomp	9C08052A1404FKPFT	RES - 1.4M ohm 0805 1/8W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-10502R	RES - 4.7 OHM 0603 1/16W 1%	00 MCO-00232	3	78	R130, R136, R142	
		Panasonic	ERJ-3RQF4R7V	RES - 4.7 ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-10503R	RES - 100K OHM 0603 1/16W 1%	00 MCO-00232	3	79	R131, R137, R143	
		Panasonic	ERJ-3EKF1003V	RES - 100K ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-10469R	RES - 20K OHM 0603 1/10W 1%	00 28171	3	80	R132, R133, R225	
		Yageo America/Phycomp	9T06031A2002FBPFT	RES - 20K ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST

B100

.1	P02-10470R	RES - 3.74K OHM 0603 1/10W 1%	00 MCO-00294	1	81	R134	
		Panasonic	ERJ3EKF3741V	RES - 3.74K OHM 0603 1/10W 1%	Active	Preferred	One Panasor Way
		Yageo America/Phycomp	9T06031A3741FBPFT	RES - 3.74K ohm 0603 1/10W 1%	Active	Alternate	15530 Wood Red Road ST B100
.1	P02-10471R	RES - 6.2K OHM 0603 1/16W 1%	00 28171	1	82	R138	
		Yageo America/Phycomp	9C06031A6201FKPFT	RES - 6.2K ohm 0603 1/16W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-10472R	RES - 5.62K OHM 0603 1/10W 1%	00 28171	1	83	R148	
		Yageo America/Phycomp	9T06031A5621FBPFT	RES - 5.62K ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-10473R	RES - 121 OHM 0603 1/10W 1%	00 28171	1	84	R149	
		Yageo America/Phycomp	9T06031A1210FBPFT	RES - 121 ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-08610R	RES - 100 OHM 1210 1/4W 5%	00 MCO-00232	1	85	R150	
		Panasonic	ERJ-14YJ101U	RES - 100 ohm 1210 1/4W 5%	Active	Preferred	One Panasor Way

.1	P02-10474R	RES - 365 OHM 0603 1/10W 1%	00 28171	1	86	R151	
		Yageo America/Phycomp	9T06031A3650FBPFT	RES - 365 ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P02-08601R	RES - 2.21K OHM 0603 1/16W 1%	00 MCO-00232	6	87	R152, R153, R159, R169, R170, R198	
		Panasonic	ERJ-3EKF2211V	RES - 2.21K ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-08745R	RES - 750K OHM 0805 1/10 5%	00 MCO-00232	1	88	R160	
		Panasonic	ERJ-6GEYJ754V	RES - 750K ohm 0805 1/10 5%	Active	Preferred	One Panasor Way
.1	P02-10510R	RES - 18 OHM 0603 1/16W 5%	00 MCO-00232	1	89	R191	
		Panasonic	ERJ-3GEYJ180V	RES - 18 ohm 0603 1/16W 5%	Active	Preferred	One Panasor Way
.1	P02-08496R	RES - 75 OHM 0603 1/16W 1%	00 MCO-00232	3	90	R195- R197	
		Panasonic	ERJ-3EKF75R0V	RES - 75 ohm 0603 1/16W 1%	Active	Preferred	One Panasor Way
.1	P02-10475R	RES - 2M OHM 0603 1/10W	00 28171	1	91	R229	

1%

		Yageo America/Phycomp	9C06031A2004FKPFT	RES - 2M ohm 0603 1/10W 1%	Active	Preferred	15530 Wood Red Road ST B100
.1	P23-08656R	CON - RJ45 INTEGRATED CON W/LEDS	00 MCO-00368	1	92	RJ1	
		Bel Stewart Connector	SI-60062-F	CON - RJ45 INTEGRATED CON W/LEDS	Active	Preferred	17180 Bernardo Center Drive
.1	P02-08613R	RESPAK - 5.6K 1/16W 5%	00 MCO-00232	5	93	RP1, RP2, RP4, RP11, RP22	
		Panasonic	EXB-38V562JV	RESPAK - 5.6K 1/16W 5%	Active	Preferred	One Panasor Way
.1	P02-08615R	RESPAK - 1K 1/16W 5%	00 MCO-00305	2	94	RP3, RP20	
		Panasonic	EXB-38V102JV	RESPAK - 1K 1/16W 5%	Active	Preferred	One Panasor Way
		Panasonic	EXB-V8V102JV	RESPAK - 1K 1/16W 5%	Active	Preferred	One Panasor Way
.1	P02-08616R	RESPAK- 220OHM 1/16W 5%	00 MCO-00316	4	95	RP5, RP7, RP8, RP10	
		Panasonic	EXB-38V221JV	RESPAK - 220ohm 1/16W 5%	Active	Preferred	One Panasor Way

.1	P02-08617R	RESPAK - 100 OHM 1/16W 5%	00 MCO-00232	2	96	RP6, RP9	
		Panasonic	EXB-38V101JV	RESPAK - 100 ohm 1/16W 5%	Active	Preferred	One Panasor Way
.1	P02-08614R	RESPAK - 33 OHM 1/16W 5%	00 MCO-00232	8	97	RP12- RP19	
		Panasonic	EXB-38V330JV	RESPAK - 33 ohm 1/16W 5%	Active	Preferred	One Panasor Way
.1	P02-10512R	RESPAK - 330OHM 1/16W 5%	00 MCO-00232	1	98	RP21	
		Panasonic	EXB-V8V331JV	RESPAK - 330ohm 1/16W 5%	Active	Preferred	One Panasor Way
.1	P23-10824R	0.100 SHORTING JUMPERS GOLD PLATED GRY	00 MCO-00232	4	99	S1-S4	
		3M/ESD	929957-08	0.100 SHORTING JUMPERS GOLD PLATED GRY	Active	Preferred	3M Corporat Headquarter 3M Center
.1	P23-35047R	2 POS POST SHUNTS	00 28071	2	100	S5, S6	
		AMP/Tyco (Tyco Electronics Corporation)	382811-6	2 Pos post shunts	Active	Preferred	P.O. Box 360
.1	P23-08662R	SWITCH - PUSH BUTTON	00 MCO-00271	7	101	SW1, SW3- SW8	
		Panasonic	EVQ-PAC07K	Push button switch	Active	Preferred	One Panasor Way

.1	P11-24006R	SWITCH - 8 POS SPST SWITCH	00 MCO-00321	1	102	SW2	
		Grayhill	76SB08T	8 Pos SPST switch	Active	Preferred	561 Hillgrove Avenue
.1	P11-24008R	SWITCH - SLIDE, SPDT	00 MCO-00271	1	103	SW9	
		E-Switch	EG1218	Switch SPDT	Active	Preferred	7153 Northland Dr North
.1	P16-29002R	TRANS - RF TRANSFORMER RATIO 2:1	00 28171	2	104	T1, T3	
		Mini-Circuits	ADT2-1T+	TRANS - RF Transformer Ratio 2:1	Active	Preferred	P.O. Box 712
.1	P16-29003R	TRANS - RF TRANSFORMER RATIO 1:1	00 28171	4	105	T2, T4-T6	
		Mini-Circuits	ADT1-1WT+	TRANS - RF Transformer Ratio 1:1	Active	Preferred	P.O. Box 712
.1	P01-13132R	IC - 12BIT 125MSPS A/D CONVERTER	00 28171	2	106	U1, U2	
		Analog Devices	AD9433BSQZ-125	IC - 12Bit 125MSPS A/D Converter	Active	Preferred	3550 North First Street
.1	P01-13133R	3V LVTTTL TO LVPECL BUFFER	00 28171	2	107	U3, U4	
		Micrel Semiconductor	SY10EPT28LKG	IC - 3V LVTTTL TO LVPECL BUFFER	Active	Preferred	2180 Fortune Dr.

.1	P01-13003R	IC - STEREO AUDIO CODEC 8-96KHZ	00 27183	1	108	U5	
		Texas Instruments, Inc.	TLV320AIC23BPW	IC - Stereo audio CODEC 8-96KHz	Active	Preferred	13532 N. Central Expressway M/S 3807
.1	P01-13124R	3.3V FAST CMOS BUFFER CLOCK DRIVER	00 28171	3	109	U6-U8	
		Pericom Semiconductor	PI49FCT3805CQE	3.3V Fast CMOS Buffer clock Driver	Active	Preferred	3545 North 1st Street
.1	P01-13107R	IC, MAX 7000 EPM7256AETC144-7N	00 28171	1	110	U10	
		Altera Corporation	EPM7256AETC144-7N	IC, MAX 7000 EPM7256AETC144-7N	Active	Preferred	101 Innovation C
.1	P01-13123R	TRIPLE SUPPLY MONITOR	00 28171	1	111	U11	
		Linear Technology	LTC1326CS8#PBF	Triple supply monitor	Active	Preferred	1360 McCarthy Blvd.
.1	P09-21009R	LED - SINGLE 7 SEGMENT DISPLAY .36 CA	00 MCO-00321	2	112	U12, U13	
		Lumex, Inc.	LDS-A324RI	Single 7 Segment Display .36 CA	Active	Preferred	
.1	P01-10520R	14BIT 165MSPS D/A CONVERTER	00 MCO-00263	2	113	U14, U15	
		Texas Instruments, Inc.	DAC904E	IC - 14BIT 165MSPS D/A	Active	Alternate	13532 N. Central

CONVERTER

Expressway
M/S 3807

Texas Instruments, Inc.

DAC904EG4

IC - DAC904E
TSSOP-28PW

Active

Preferred

13532 N.
Central
Expressway
M/S 3807

.1	P01-13122R	10/100 ETHERNET CHIP	00 28171	1	114	U16
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SMSC - Standard Microsystems
Corporation

LAN91C111-NU

10/100 Ethernet
chip

Active

Preferred

2107 North
First St., Sui
660

.1	P01-13146R	FLASH 128MBIT 3V UNIFORM SECTOR 100NS 256 32- KWORD SECTORS	00 28195	1	115	U17
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Spansion LLC

S29GL128M10TFIR1

FLASH 128MBIT
3V UNIFORM
SECTOR 100NS
256 32-KWORD
SECTORS

Active

Preferred

915 Deguign
Drive, PO Bo
3453

.1	P01-13094R	IC, STRATIX II, EP2S180F1020C3N	00 28171	1	116	U18
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Altera Corporation

EP2S180F1020C3N

IC, Stratix II,
EP2S180F1020C3N

Active

Preferred

101
Innovation C

.1	P01-13134R	REG - LTC1778 VOLTAGE STEP DOWN CONTROLLER	00 28171	3	117	U19-U21
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Linear Technology

LTC1778EGN#PBF

REG - LTC1778
Voltage Step Down
Controller

Active

Preferred

1360
McCarthy
Blvd.

.1	P05-17019R	REG - 3A LOW DROP OUT POSITIVE ADJUSTABLE REGULATOR	00 28171	1	118	U22
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	Linear Technology	LT1085CM#PBF	REG - 3A Low Drop Out Positive Adjustable Regulator	Active	Preferred	1360 McCarthy Blvd.
.1	P05-17020R	REG - 5A STEP-DOWN ADJUSTABLE REGULATOR	00 MCO-00396	1	119	U23
	National Semiconductor	LM2678S-ADJ-NOPB	REG - 5A Step-Down Adjustable Regulator	Active	Preferred	2900 Semiconduct Dr. P.O. Box 58090
.1	P01-13121R	10BIT 2PORT BUSSWITCH	00 28171	15	120	U24-U32, U34-U38, U49
	Pericom Semiconductor	PI5C3384COE	10bit 2port BusSwitch	Active	Preferred	3545 North 1st Street
.1	P01-13127R	INTEGRATED LOAD SWITCH	00 28171	1	121	U33
	Fairchild Semiconductor	FDC6323L_NL	Integrated Load Switch	Active	Preferred	Bay Area Sales
.1	P01-13126R	128MBIT SDRAM	00 28171	2	122	U39, U40
	Micron	MT48LC4M32B2P-7	128Mbit SDRAM	Active	Preferred	2125 Onel Drive
.1	P01-13120R	RS-232 TRANSCEIVER PERIPHERAL	00 28171	1	123	U41
	Maxim Integrated Products, Inc.	MAX3237CAI+	RS-232 Transceiver Peripheral	Active	Preferred	120 San Gabriel Dr.

.1	P01-13125R	SRAM - 256K X 16 HIGH SPEED STATIC RAM 3.3V 10NS	00 MCO-00403	2	124	U43, U44	
		IDT	IDT71V416S10PHG	4Mbit Static RAM	Active	Preferred	6024 Silver Creek Valley Road
		Samsung Semiconductor, Inc.	K6R4016V1D-UI10T00	SRAM - 256K x 16 High Speed static RAM 3.3V 10ns	Active	Alternate	3655 North First Street
.1	P01-13035R	IC - TRIPLE VIDEO DAC, 3X8, 180MHZ, 3.3V, 48-PIN LQFP	00 MCO-00348	1	125	U45	
		Fairchild Semiconductor	FMS3818KRC_NL	IC - TRIPLE 8BIT VIDEO D/A CONVERTER	Active	Preferred	Bay Area Sales
.1	P08-20015R	DIODE - SW ARRAY 350V 350MW	00 28171	2	126	U46, U47	
		Diodes Inc.	MMBD3004BRM-F	DIODE - SW ARRAY 350V 350MW	Active	Preferred	3050 E. Hillcrest Driv
.1	P08-20001R	DIODE - SWITCH 240V 350MW	00 28190	1	127	U48	
		Diodes Inc.	MMBD2004S-7-F	DIODE - SWITCH 240V 350MW	Active	Preferred	3050 E. Hillcrest Driv
.1	P23-08663R	OSC - 4 PIN, SOCKET, HALF SIZE	00 MCO-00304	1	128	XY1	
		Aries Electronics, Inc.	1108800	4 Pin Oscillator Socket Half Size	Active	Preferred	P.O. Box 130 62A Trenton Ave.
		100MHZ OSCILLATOR HALF					

.1	P13-26014R	CAN	00 MCO-00344	1	129	Y1	
		Cardinal Components, Inc	CPPX4-A5BC 100MHz	OSC - 3.3V PROG TTL TRI ST 25PPM Half Can	Active	Preferred	Wayne Interchange Plaza II 155 Route 4 West
.1	P07-19004R	25MHZ CRYSTAL	00 28171	1	130	Y2	
		ECS, Inc.	ECSX-250-18-4F	25MHz Crystal	Active	Preferred	1105 S. Ridgeview
.1	P06-10217R	STRATIX II DSP BOARD MAINE	03 28936	1	131		
.1	P23-08723	4 X 40 X 1/2 PAN HEAD SCREW	00 MCO-00205	2	132	XJ29	Mounting screws for connector J29
		Olander Company Inc.	4C50PPMZZ	4 x 40 x 1/2 Pan Head screw	Active	Preferred	144 Commercial St.
.1	P23-08751	NYLON WASHER .312 OD .140 ID	00 MCO-00205	2	133	XJ29	These two washers are used under the hex nuts fastening the two mounting screws for J29
		Olander Company Inc.	FWN-4-312-062	Nylon Washer .312 OD .140 ID	Active	Preferred	144 Commercial St.

.1	P23-05648	4 X 40 X 7/16 ROUND AL STANDOFF	00 MCO-00205	4	134	M7-M10	One standoff in each corner of the board
		Olander Company Inc.	4C43RF4U	4 x 40 x 7/16 Round Al standoff	Active	Preferred	144 Commercial St.
.1	P23-05649	4 X 40 X1/4 PAN HEAD SCREW	00 MCO-00205	4	135	M1-M3, M18	Use on each of the four standoffs in the corners
		Olander Company Inc.	4C25PPMZZ	4 x 40 x1/4 Pan Head screw	Active	Preferred	144 Commercial St.
.1	P12-25000	DESOLDERING BRAID	00 27063	2	136	XL28, XX1	
		EasyBraid Co.	Q-C-25	Desoldering Braid	Active	Preferred	11543 K-Tel Drive Minneapolis, Minnesota 55343
.1	P23-10528R	1020 HEATSINK WITH CLIP, FAN, AND THERMAL TAPE	00 MCO-00508	1	137	XU18	
		Intricast	CS1988V04	Heatsink - Heatsink with fan and thermal tape for FBGA1020	Active	Preferred	2160 Walsh Ave.
.1	P23-11472	ANTI-STATIC BAG ALL SIZES	00 26185	1	138		
.1	L02-44015	LABEL - BOARD ASSEMBLY LABEL ALL ASSEMBLYS	00 29293	1	139		

.1	L02-44023	LABEL - ALTERA DEVICE STICKER	00 29823	1	140		
.1	P03-15114R	CAP - TANTALUM, 470UF, 20%, 10VDC, 7343P, 0.023 ESR	00 28640	5	141	C431- C435	
		AVX Corp	TPME477M010R0023	CAP, TANTALUM, 470uF, 20%, 10VDC, 7343P, 0.023 ESR	Active	Preferred	2925 Bayvie Drive
.1	6XX-40062R	PROGRAMED COMPACT FLASH WITH DSP IMAGE	0A 29823	1	142	XCON1	
..2	P30-38023	SOFTWARE - DSP COMPACT FLASH PROG	00 29823	1	2		
..2	P01-13222R	MEM - COMPACT FLASH 64MBYTE	00 29822	1	1		
		SanDisk	SDCFJ-64-388	MEM - COMPACT Flash 64Mbyte	Active	Preferred	

User: Joel Seely

Production Release

08/08/2006 12:58:37 AM PDT