

# Parts List

## 507200-0010

ASSY,OMAP5912 OSK,128M FLASH VERSION

Type	PL	PCB Package
Revision	D	ION Footprint
Status	U	Tool
Date	9/16/2004	Bin Loc.
By		Cost

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package	ION Footprint		Mfr Name	Mfr P/N
1	1 each	507201-0001	DWG C	PWB,OMAP5912 OSK		
2	1 each	507202-0001	DOC C	LOGIC,OMAP5912 OSK		
3	1 each	101786-0002	PS	IC,BGA289,DSP,OMAP5912	U3	
		BGA17X17-1MM		TEXAS INSTRUMENTS	POMAP5912BZDV	
5	2 each	101831-0012	PS	IC,BGA64,FLASH,128M,120nS	U1 U2	
		BGAF8X8-1MM		MICRON	MT28F128J3FS-12	
6	1 each	101814-0001	PS	IC,FBGA60,MOBILE DDR SDRAM,16M X 16	U7	
		FBGA60-.8MMD		SAMSUNG	K4X56163PE-LGC2	
7	1 each	101785-0001	PS	IC,TQFP100,SINGLE CHIP ETHERNET	U12	
		TQFP100Z		STANDARD MICROSYSTEMS CORP.	LAN91C96TQFP	
8	1 each	101822-0001	PS	IC,PSOP16,DUAL 2 TO 4-LINE	U4	
		DB16		TEXAS INSTRUMENTS	SN74LVC139ADBR	
9	1 each	101027-0001	PS	IC,SO5,SINGLE SCHMITT-TRIGGER INVERTER	U6	
		DCK5	dck-5	TEXAS INSTRUMENTS	SN74AHC1G14DCKR	
10	1 each	101789-0001	PS	IC,SOP8,DUAL TRANSIENT SUPPRESSOR	U19	
		SO8PW		TEXAS INSTRUMENTS	SN75240PW	
11	1 each	101790-0001	PS	IC,SO8,POWER DISTRIBUTION SWITCH,250mA	U18	
		SO8		TEXAS INSTRUMENTS	TPS2045AD	
12	1 each	101457-0244	PS	IC,TSSOP20,74LVT244,OCTAL BUFFER/DRIVER	U8	
		QSOP20	pw20-14x70	TEXAS INSTRUMENTS	SN74LVT244BPWR	
13	1 each	101791-0001	PS	IC,QFP48,POWER AND BATTERY MANAGEMENT	U10	
		PQFP48-RGZ		TEXAS INSTRUMENTS	TPS65010RGZ	

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14	1 each	101907-0001	PS	IC,TSOP28,STEREO AUDIO CODEC	U17	
		TSSOP28		tssop28-14x70	TEXAS INSTRUMENTS	TLV320AIC23BIPWR
15	1 each	100837-0001	PS	IC,SOIC,SERIAL EEPROM,3 WIRE	U13	
		SO8			ATMEL CORPORATION	AT93C46-10SC-2.7
17	2 each	101670-0001	PS	IC,QSOP16,LOW VOLTAGE,QUAD 2:1	U15 U16	
		TSSOP16			TEXAS INSTRUMENTS	SN74CBTLV3257PWR
18	1 each	101691-0001	PS	IC,TSSOP16,RS-232 DRIVER/RECEIVER	U14	
		TSSOP16			MAXIM INTEGRATED PRODUCTS,INC.	MAX3221CPWR
19	1 each	101803-0125	PS	IC,SSOP8,DUAL BUS BUFFER GATE	U20	
		SSOP8-DCT			TEXAS INSTRUMENTS	SN74LVC2G125DCTR
20	1 each	101787-0001	PS	TRANSISTOR,SMT,DUAL LOAD SWITCH	U11	
		DBV6		DBV6-27X39-6	Fairchild Semiconductor	FDC6331L
21	2 each	101792-0001	PS	IC,SO5,LINEAR REGULATOR	U9 U5	
		DCK5			TEXAS INSTRUMENTS	TPS71501DCKR
22	1 each	100983-0012	PS	OSC,SMT,12 MHZ	U21	
		CB3LV			CTS ELECTRONICS CORPORATION	CB3LV-3C-12.0000-T
23	1 each	101815-3276	PS	CRYSTAL,SMT,32.768KHz	Y2	
		CM100S			Citizen America Corporation	CM100S32.768KDZFT
25	1 each	101590-0200	PS	CRYSTAL,SMT,6mm,20 MHZ	Y3	
		ABM7			Citizen America Corporation	CS10-20.000MABJTR
27	1 each	101590-0120	PS	CRYSTAL,SMT,6mm,12 MHZ	Y1	
		ABM7		xtal2-75x94	Citizen America Corporation	CS10-12.000MABJTR
30	1 each	101794-0001	PS	TRANSFORMER,SMT,10/100 BASE-T	T1	
		T-E2009			PULSE ENGINEERING	E2009

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35	1 each	101810-0101  IND-CDRH5D18	PS	INDUCTOR,SMT,10uH,5.7mm SQ.,1.2A	L1	Sumida Electric Co., Ltd. CDRH5D18-100NC
36	1 each	101289-0681  IND-CDRH5D18	PS	INDUCTOR,SMT,6.8uH,2.7A	L2	Sumida Electric Co., Ltd. CR75-6R8MC
37	5 each	101239-6001  EIA0805	PS	FERRITE BEAD,SMT 0805,600 OHMS	L3 L4 L5 L6 L7	Steward HZ0805E601R-00
38	1 each	101228-2201  EIA0805	PS	FERRITE BEAD,SMT 0805,220 OHMS	L8	Murata Electronics BLM21PG221SN1D
40	2 each	101088-0001  EIA1206D	PS	LED,SMT 1206,YELLOW	D8 D6	led1206-59x59 Lumex, Inc. SML-LX1206YC-TR
41	1 each	100823-0002  EIA1206D	PS	LED,SMT 1206,RED	D5	led1206-59x59 LITEON LTST-C150CKT
42	4 each	100823-0001  EIA1206D	PS	LED,SMT 1206,GREEN	D2 D3 D9 D7	led1206-59x59 LITEON LTST-C150GKT
43	1 each	101808-0006  SMC	PS	TRANSORB,SMC,UNI-DIRECTIONAL,1500W,6V	D1	SMC-80X128 DIODES INC. SMCJ6.0A-13
50	1 each	101809-0025  EIA1206	PS	FUSE,SMT 1206,2.5A,63V	F1	Cooper Bussmann, Inc. TR/3216FF-2.5A
51	1 each	101793-0500  EIA1206	PS	FUSE,SMT,RESETTABLE,.5 AMP	PTC1	LITTLEFUSE 1206L050WRT
61	2 each	101824-0102  EIA1311P	PS	CAP,TANT,SMT 1311,100uF,6V	C50 C51	KEMET ELECTRONICS CORPORATION T491B107M006AS
65	2 each	101008-0220  EIA2816P	PS	CAP,TANT,SMT 2816,220uF,10V	C26 C81	c7343-84x118 KEMET ELECTRONICS CORPORATION T491X227K010AS
66	11 each	101003-0101  EIA1206P	PS	CAP,TANT,SMT 1206,10uF,6.3V	C6 C7 C8 C9 C27 C35 C44 C80 C58 C60 C65	c1206-40x70 PANASONIC ECS-T0JY106R

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67	2 each	101064-0221 EIA1206	PS	CAP,CER,SMT 1206,22uF,10V C1206-40X70	C76 C28	TAIYO YUDEN LMK316F226ZL-T
68	8 each	101007-0100 EIA0603	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% c603-35x45	C29 C15 C31 C25 C77 C49 C53 C55	PANASONIC ECJ-1VB0J105K
69	3 each	101063-0220 EIA0805	PS	CAP,CER,SMT 0805,2.2uF,10V c805-35x60	C30 C32 C75	TAIYO YUDEN LMK212BJ225KG-T
70	1 each	101694-0470 EIA1206	PS	CAP,CER,SMT 1206,4.7uF,16V,X5R C1206-40X70	C33	KEMET ELECTRONICS CORPORATION C1206C475K4PAC
71	3 each	101002-1223 EIA0603	PS	CAP,CER,SMT 0603,220pF,50V,+/-5%,NPO c603-35x45	C48 C52 C54	PANASONIC ECU-V1H221JCV
72	16 each	101587-1100 EIA0402	PS	CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R c402-25	C36 C37 C38 C39 C40 C41 C42 C56 C57 C59 C61 C62 C63 C83 C73 C85	PANASONIC ECJ-0EB1A104K
73	2 each	101007-1470 EIA0603	PS	CAP,CER,SMT 0603,.47uF,6.3V,X5R,+/-10% c603-35x45	C24 C74	PANASONIC ECJ-1VB0J474K
74	4 each	101001-1104 EIA0603	PS	CAP,CER,SMT 0603,10pF,50V,+/-5pF,NPO c603-35x45	C5 C10 C11 C13	PANASONIC ECU-V1H100DCV
75	41 each	101587-1101 EIA0402	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R c402-25	C1 C2 C3 C4 C12 C14 C16 C17 C18 C19 C20 C21 C22 C23 C34 C43 C45 C66 C67 C68 C69 C70 C71 C72 C46 C47 C84 C82 C86 C87 C88 C90 C91 C92 C93 C95 C96 C97 C98 C99 C100	KEMET ELECTRONICS CORPORATION C0402C103K4RACTU
76	2 each	101002-1224 EIA0603	PS	CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO C805-35x60	C78 C79	PANASONIC ECU-V1H220JCV
80	10 each	101069-2200 EXB-2HVS	PS	RES,NETWORK,SMT,16 PIN,8 RES,22 PANASONIC	RN2 RN3 RN4 RN5 RN6 RN7 RN8 RN10 RN12 RN13	EXB-2HV220JV

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
81	2 each	101327-1003 EXB-28VS	PS	RES,NETWORK,SMT,8 PIN,4 RES,10K rpak8-10x25-28v	RN1 RN11	PANASONIC EXB-28V103JX
82	3 each	101327-2200 EXB-28VS	PS	RES,NETWORK,SMT,8 PIN,4 RES,22 PANASONIC	RN9 RN14 RN15	EXB-28V220JX
85	1 each	100552-0001 EIA0805	PS	RES,SMT 0805,0 OHM,1/10 WATT PANASONIC	R49	ERJ-6GEY0R00V
89	7 each	100687-0001 EIA0603	PS	RES,SMT 0603,0 OHM,1/16 WATT r603-35X45	R77 R115 R117 R120 R161 R301 SH8	KOA SPEER ELECTRONICS, INC. RM73Z1J000
90	2 each	100687-0510 EIA0603	PS	RES,SMT 0603,5.1 OHM,5%,1/16 WATT PHILIPS COMPONENTS	R128 R130	9C06031A5R10JL
91	1 each	100687-1001 EIA0603	PS	RES,SMT 0603,100 OHM,5%,1/16 WATT PANASONIC	R131	ERJ-3GSYJ101V
92	4 each	100687-1004 EIA0603	PS	RES,SMT 0603,100K OHM,5%,1/16 WATT r603-35X45	R54 R55 R56 R154	KOA SPEER ELECTRONICS, INC. RM73B1JT104J
93	2 each	100687-4702 EIA0603	PS	RES,SMT 0603,4.7K OHM,5%,1/16 WATT KOA SPEER ELECTRONICS, INC.	R64 R65	RM73B1JT472J
94	7 each	100687-3301 EIA0603	PS	RES,SMT 0603,330 OHM,5%,1/16 WATT PANASONIC	R123 R124 R125 R126 R70 R141 R143	ERJ-3GEYJ331V
95	3 each	100687-4703 EIA0603	PS	RES,SMT 0603,47K OHM,5%,1/16 WATT KOA SPEER ELECTRONICS, INC.	R107 R140 R295	RM73B1JT473J
96	4 each	100687-5602 EIA0603	PS	RES,SMT 0603,5.6K OHM,5%,1/16 WATT PANASONIC	R134 R135 R136 R139	ERJ-3GEYJ562V
97	2 each	100687-1300 EIA0603	PS	RES,SMT 0603,13 OHM,5%,1/16 WATT PANASONIC	R127 R129	ERJ-3GEYJ130V
98	1 each	100687-8201 EIA0603	PS	RES,SMT 0603,820 OHM,5%,1/16 WATT PANASONIC	R74	ERJ-3GEYJ821V

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99	3 each	100687-1503 EIA0603	PS	RES,SMT 0603,15K OHM,5%,1/16 WATT	R99 R100 R81 KOA SPEER ELECTRONICS, INC. RM73B1JT153J	
100	1 each	100687-1003 EIA0603	PS	RES,SMT 0603,10K OHM,5%,1/16 WATT r603-35X45	R79 KOA SPEER ELECTRONICS, INC. RM73B1JT103J	
101	1 each	100687-1501 EIA0603	PS	RES,SMT 0603,150 OHM,5%,1/16 WATT	R84 PANASONIC ERJ-3GEYJ151V	
102	1 each	100687-2203 EIA0603	PS	RES,SMT 0603,22K OHM,5%,1/16 WATT	R132 PANASONIC ERJ-3GEYJ223V	
103	2 each	100687-2700 EIA0603	PS	RES,SMT 0603,27 OHM,5%,1/16 WATT	R97 R98 PANASONIC ERJ-3GEYJ270V	
110	2 each	100642-2434 EIA0603	PS	RES,SMT 0603,243K OHM,1%,1/16 WATT	R82 R90 PANASONIC ERJ-3EKF2433V	
111	1 each	100642-2744 EIA0603	PS	RES,SMT 0603,274K OHM,1%,1/16 WATT	R72 PANASONIC ERJ-3EKF2743V	
112	2 each	100642-1005 EIA0603	PS	RES,SMT 0603,1M OHM,1%,1/16 WATT	R91 R73 PANASONIC ERJ-3EKF1004V	
113	12 each	100642-1000 EIA0603	PS	RES,SMT 0603,10 OHM,1%,1/16 WATT	R95 R114 R47 R94 R248 R48 R151 R152 R153 R156 R157 R158 ERJ-3EKF10R0V	
114	1 each	100642-9313 EIA0603	PS	RES,SMT 0603,93.1K OHM,1%,1/16 WATT	R83 PANASONIC ERJ-3EKF9312V	
115	33 each	101370-0001 EIA0402	PS	RES,SMT 0402,0 OHM,1/16 WATT r402-25	R7 R2 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R93 R245 R246 R247 R249 R34 R37 R53 R68 R92 R163 R165 R166 R167 R173 R175 R176 R177 Yageo 9C04021A0R00JLHF3	
116	5 each	101370-2003 EIA0402	PS	RES,SMT 0402,20K,5%,1/16 WATT r402-25	R137 R138 R145 R155 R159 PANASONIC ERJ-2GEJ203X	

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		PCB Package	ION Footprint		Mfr Name	Mfr P/N
117	24 each	101370-2200	PS	RES,SMT 0402,22 OHM,5%,1/16 WATT	R112 R113 R144 R146 R147 R201 R202 R203 R204 R205 R206 R207 R208 R209 R210 R211 R212 R213 R214 R215 R233 R296 R298 R299	
		EIA0402	r402-25	PANASONIC	ERJ-2GEJ220X	
118	8 each	101370-3300	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT	R57 R58 R59 R60 R61 R62 R66 R67	
		EIA0402		PANASONIC	ERJ-2GEJ330X	
119	31 each	101370-1003	PS	RES,SMT 0402,10K,5%,1/16 WATT	R1 R29 R30 R31 R43 R50 R51 R52 R75 R76 R80 R85 R89 R96 R101 R102 R110 R291 R103 R104 R105 R106 R108 R133 R109 R111 R121 R255 R256 R122 R294	
		EIA0402	r402-25	Yageo	9C04021A1002JLHF3	
120	9 each	101370-1002	PS	RES,SMT 0402,1K,5%,1/16 WATT	R86 R87 R119 R88 R142 R169 R292 R293 R300	
		EIA0402	r402-25	Yageo	9C04021A1001JLHF3	
121	1 each	101370-1502	PS	RES,SMT 0402,1.5K,5%,1/16 WATT	R63	
		EIA0402		Yageo	9C04021A1501JLHF3	
122	5 each	101971-0100	PS	RES,SMT 0603,1 OHM,1%,1/10 WATT	SH1 SH4 SH5 SH6 SH7	
		EIA0603		PANASONIC	ERJ-3RQF1R0V	
123	1 each	101971-0047	PS	RES,SMT 0603,.47 OHM,1%,1/10 WATT	SH2	
		EIA0603		PANASONIC	ERJ-3RQFR47V	
124	1 each	101971-0022	PS	RES,SMT 0603,.22 OHM,1%,1/10 WATT	SH3	
		EIA0603		PANASONIC	ERJ-3RQFR22V	
125	1 each	101215-0001	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm	S1	
		101215	SW-40X126-EVQP1	PANASONIC	EVQP1B05M	
126	1 each	102178-0022	PS	RES,SMT 0805,.22 OHM,1%,1/8 WATT	R69	
		EIA0805		PANASONIC	ERJ-6RQFR22V	
130	4 each	101821-0040	PS	CONN,SMT,HEADER,SHROUDED,40 X 2,1.27mm	P10 P11 P12 P13	
		FX2-80P-1.27SV		Hirose Electric, Inc.	FX2-80P-1.27SV	

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131	1 each	101913-0050 MI21-50PD-SFA	PS	CONN,SMT,CF TYPE I & II,50 PIN,W/LEFT	P14	Hirose Electric, Inc. MI21A-50PD-SF-EJL
132	1 each	101678-0001 USBTYPEA	PS	CONN,RECEPTACLE,4 POS,RIGHT	P4	Tyco Electronics 787616-1
133	1 each	100558-0009 DB9MR-1225X475	PS	CONN,DB9,MALE,RIGHT ANGLE,.318	P8	PI Manufacturing Corp. 2100-009P
134	3 each	101012-0001 ST-3500	PS	CONN,SMT,JACK,STEREO,4 POS.,3.6mm st_3500	P1 P5 P6	KYCON CABLE & CONNECTOR, INC. ST-3500-4N
135	1 each	101812-0001 RJ45-8N4	PS	CONN,JACK,RJ45,8 CONTACTS,SHIELDED	P9	Corcom RJ45-8N4-B
136	1 each	101238-0001 RASM712	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm PWR3-RASM712	P7	SWITCHCRAFT RASM712TR15
140	1 each	100116-0010 CON10X2	PL	HEADER,10 X 2,VERTICAL,PIN	J2	SPECTRUM DIGITAL INC.
141	1 each	100116-0007 CON7X2	PL	HEADER,7 X 2,VERTICAL,PIN jump2x7-6040	J1	SPECTRUM DIGITAL INC.
142	2 each	100115-0003 CON3	PL	HEADER,3 X 1,VERTICAL,PIN JUMP1X3-6040	JP1 JP3	SPECTRUM DIGITAL INC.
143	8 each	100115-0001 CON1	PL	HEADER,1 X 1,VERTICAL,PIN tp1-6040	TP3 TP4 TP5 TP6 TP9 TP10 TP11 TP12	SPECTRUM DIGITAL INC.
145	2 each	100123-0001	PS	JUMPER,SHUNT,2 POS	XJP1 XJP3	KRISTA 24-872

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150	54 each	NO-POP	PS		R21 R22 R23 R24 R25 R26 R27 R28 R32 R33 R35 R36 R38 R44 R45 R46 R71 R78 R116 R118 R148 R149 R150 R162 R168 R297 R170 R171 R172 R174 C64 P2 JP2 TP1 TP2 TP7 TP8 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 R304 R160 L9 U22 R302 R303 C101 R166
C603-35X45					