

Parts List

511140-0001M

ASSY,DA830 DSK 256 BGA FOR MANUAL

Type	PL	PCB Package
Revision	F	ION Footprint
Status	U	Package Qty
Date		Bin Loc.
By		Product Class
		SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		PCB Package	Mfr P/N
1	1 each	511141-0001R	DWG F	PWB,DA830 DSK 256 BGA CSTM	
2	1 each	511142-0001	DOC F	LOGIC,DA830 DSK 256 BGA SCH	
4	1 each	102850-0001R	PS	IC,BGA256,TMX320DA830, DIGITAL AUDIO MATL	U1 BGA16X16-1MM TMX320DA830K011XZKB -300
5	1 each	102235-0001R	PS	IC,SO8,SERIAL EEPROM,256K-BIT MATL Replaced 101025-0001R. Backwards compatible.	U27 so8-25x75-295 SO8WN CAT24C256WI-G
6	1 each	102801-0001R	PS	IC,SO16,SERIAL FLASH MEMORY,32MEGA-BIT MATL	U23 so16-25x75-300 SOL16 W25X32VFIG
7	2 each	102799-0006R	PS	IC,BGA,SDRAM,256MEG,6nS MATL	U21, U22 bga54-3x9-issi IS42S16160D-6BL
8	1 each	102795-0001R	PS	IC,PQFP128,INTEGRATED 3-PORT 10/100 MATL	U41 pqfp128rec-12x70 TI_PQFP128 KSZ8893MQL
9	2 each	102693-0001R	PS	IC,TSSOP56,74CBTLV16212,LOW VOLTAGE, MATL	U31, U8 dgg56-12x80 TSSOP56 SN74CBTLV16212GR
10	1 each	102800-0001R	PS	IC,PQFP,STEREO AUDIO CODEC,LOW POWER MATL	U38 rgz48-11x34 PQFP48-RGZ TLV320AIC3106IRGZT
11	2 each	101679-0001R	PS	IC,TSSOP24,10-BIT FET BUS SWITCH,LOW MATL	U24, U3 pw24-14x70 SO24PWA SN74CBTLV3384PWR
12	1 each	101691-0001R	PS	IC,TSSOP16,RS-232 DRIVER/RECEIVER MATL	U28 pw16-14x70 TSSOP16 MAX3221CPWR
13	2 each	101433-0001R	PS	IC,TSSOP16,MULTIPLEXER/DEMULTIPLEXER MATL	U12, U19 tssop16-14x70 TSSOP16 SN74CBTLV3253PWR

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		PCB Package	Mfr P/N
14	2 each	102810-0001R	PS	IC,SO8,POWER DISTRIBUTION MATL	U13, U14
		so8-25x75		SO8	TPS2065DR
15	1 each	100962-0001R	PS	IC,SO8,POWER AMPLIFIER,1W MATL	U40
		so8-25x75		SO8	TPA4861DR
16	4 each	101027-0001R	PS	IC,SO5,SINGLE SCHMITT-TRIGGER INVERTER MATL	U37, U51, U52, U53
		dck-5		DCK5	SN74AHC1G14DCKR
17	2 each	101057-0002R	PS	IC,SO5,SINGLE NOR-GATE MATL	U30, U7
		dck-5		DCK5	SN74LVC1G02DCKR
18	1 each	101057-0004R	PS	IC,SO5,SINGLE INVERTER GATE MATL	U57
		dck-5		DCK5	SN74LVC1G04DCKRG4
19	3 each	101689-0125R	PS	IC,SO5,SINGLE BUS BUFFER GATE MATL	U15, U43, U59
		dck-5		DCK5	SN74CBTLV1G125DCKR
20	4 each	101057-0032R	PS	IC,SO5,SINGLE 2-INPUT POSITIVE-OR GATE MATL	U20, U25, U35, U4
		dck-5		DCK5	SN74LVC1G32DCKR
21	1 each	102636-0001R	PS	IC,SO5,REGULATOR,LOW MATL	U54
		sot23-20x60-5		DBV5	TPS79901DDCR
22	2 each	101057-0001R	PS	IC,SO5,2 INPUT POSITIVE NAND GATE MATL	U26, U5
		dck-5		DCK5	SN74LVC1G00DCKR
23	2 each	102566-0001R	PS	IC,SMT,PROTECTION ARRAY,6-CHANNEL 115-kV MATL	U32, U33
		rse10		PQFP10	TPD6E001RSER
24	2 each	102728-0001R	PS	IC,SMT,PROTECTION ARRAY,2-CHANNEL 15-kV MATL	U55, U56
		drl5-12x40		DRL5	TPD2E001DRLR
25	10 each	101670-0001R	PS	IC,QSOP16,LOW VOLTAGE,QUAD 2:1 MATL	U10, U11, U16, U17, U18, U2, U34, U36, U58, U9
		tssop16-14x70		TSSOP16	SN74CBTLV3257PWR
26	6 each	101057-0008R	PS	IC,SO5,SINGLE 2-INPUT POSITIVE AND GATE MATL	U61, U29, U46, U47, U49, U6
		dck-5		DCK5	SN74LVC1G08DCKR

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		PCB Package	Mfr P/N
27	1 each	102746-0001R	PS	IC,QFN40,POWER MANAGEMENT IC FOR LI-ION MATL	U44
		rsb40-9x39		RSB40	TPS65023RSBR
28	1 each	101057-0125R	PS	IC,SO5,SINGLE BUS BUFFER GATE MATL	U60
		dck-5		DCK5	SN74LVC1G125DCKR
29	3 each	102020-0009R	PS	IC,DBV6,SUPERVISORY CIRCUIT,.9V MATL	U45, U48, U50
		DBV6-27X39-6		DBV6	TPS3808G09DBVR
30	1 each	102201-2457R	PS	OSC,SMT,24.576 MHZ,3.3V MATL	U39
		xtal4-70x78-ctx		OSC-F4100A	CSX750FBC24.576000M-UT
31	1 each	100983-0050R	PS	OSC,SMT,50 MHZ MATL	U42
		OSC4-71X79		CB3LV	CB3LV-3C-50.0000-T
32	2 each	102109-0001R	PS	TRANSISTOR,SOT23,SWITCHING MATL	Q1, Q2
		sot23-28x44		SOT23-NPN	FJV3109RMTF
33	1 each	101808-0006R	PS	TRANSORB,SMC,UNI-DIRECTIONAL,1500W,6V MATL	D1
		SMC-80X128		SMC	SMCJ6.0A-13-F
34	1 each	102883-0032R	PS	CRYSTAL,SMT,32.768kHz MATL	Y1
		xtal4-23x47-ssp-t7		SSP-T7-F	SSPT7F-12.5PF20PPM
35	1 each	101590-0240R	PS	CRYSTAL,SMT,6mm,24 MHZ MATL	Y2
		xtal2-75x94		ABM7	CS10-24.000MABJ-UT
36	1 each	100185-0001R	PS	DIODE,SOT23,SWITCHING MATL	D21
		SOT23-28X44		SOT23-B	BAS16-7-F
37	9 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	DS1, DS2, DS3, DS4, DS5, DS6, DS7, DS8, DS9
		led1206-59x59		EIA1206D	LTST-C150GKT
39	2 each	102870-5001R	PS	FERRITE BEAD,SMT 1206,50 OHMS MATL	L24, L25
		emi-blm31p-40x70		EIA1206	BLM31PG500SN1L
40	17 each	101228-2201R	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL	L1, L10, L11, L12, L13, L14, L19, L2, L20, L21, L22, L23, L5, L6, L7, L8, L9
		I805-35x60		EIA0805	BLM21PG221SN1D

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		PCB Package	Mfr P/N
41	1 each	101126-0001R FB1806-41X70	PS	FERRITE BEAD,SMT 1806,75 OHMS MATL	L15 BLM41PG750SN1L
42	4 each	102569-1470R emi-NFM21p	PS	FILTER,SMT 0805,EMI,.47uF,16V MATL	E1, E2, E3, E4 NFM21 NFM21PC474R1C3D
43	3 each	102747-0220R ind_vlcf	PS	INDUCTOR,SMT,2.2uH,+/-30% MATL	L16, L17, L18 IND-VLCF4020 VLCF4020T-2R2N1R7
44	2 each	101584-0100R L805-35x60	PS	INDUCTOR,SMT 0805,1uH MATL	L3, L4 EIA0805 CI0805-1R0K-R
45	1 each	100872-0004R FUSEFOLDER-OMNI-BLOK	PS	FUSE,SMT,OMNI-BLOK,4A MATL	F1 F-SMF-OMNI-BLOK 0154004.DRT
46	2 each	100995-0471R c7343-84x118	PS	CAP,TANT,SMT 2816,47uF,10V MATL	C214, C259 EIA2816P T491D476K010AT
47	3 each	101608-0102R c7343-84x118	PS	CAP,TANT,SMT 2816,100uF,10V MATL	C16, C203, C29 EIA2816P 593D107X9010D2TE3
48	1 each	102359-0680R c1206-40x70p	PS	CAP,TANT,SMT 1206,6.8uF,10V,+/-20% MATL	C14 EIA1206P TCA1A685M8R
49	10 each	101953-0331R c1206-40x70p	PS	CAP,TANT,SMT 1206,33uF,6.3V,LOW ESR MATL	C100, C101, C102, C103, C168, C169, C69, C70, C71, C72 EIA1206P TPSA336K006R0600
50	24 each	101003-0101R c1206-40x70-POL	PS	CAP,TANT,SMT 1206,10uF,6.3V MATL	C128, C13, C141, C150, C155, C162, C173, C174, C201, C202, C211, C212, C217, C220, C221, C227, C231, C234, C238, C240, C244, C260, C262, C28 EIA1206P T491A106M006AT
51	1 each	101056-0335R c393-6545-H	PS	CAP,GOLD,RADIAL,.,33F,5.5V MATL	C607 RAD400-400C EECS0HD334H
52	2 each	101583-1102R EIA1812	PS	CAP,CER,SMT 1812,1000pF,X7R,2KV MATL	C226, C230 EIA1812 1812GC102KAT1A

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		ION Footprint			PCB Package	Mfr P/N
53	9 each	101064-0221R C1206-40X70	PS	CAP,CER,SMT 1206,22uF,10V MATL EIA1206	C104, C105, C114, C115, C183, C236, C237, C241, C242 LMK316F226ZL-T	
54	1 each	101002-1224R c603-35x45	PS	CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO MATL EIA0603	C50 ECJ-1VC1H220J	
55	3 each	100993-1223R c603-35x45	PS	CAP,CER,SMT 0603,220pF,50V,+/-10%,X7R MATL EIA0603	C161, C167, C171 06035C221KAT2A	
56	2 each	101007-0220R c603-35x45	PS	CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% MATL EIA0603	C243, C245 ECJ-1VB0J225K	
57	11 each	101007-0100R c603-35x45	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL EIA0603	C127, C133, C134, C135, C136, C160, C20, C24, C34, C38, C52 ECJ-1VB0J105K	
58	5 each	101103-1184R c603-35x45	PS	CAP,CER,SMT 0603,18pF,50V,+/-5%,NPO MATL EIA0603	C179, C46, C47, C48, C49 ECJ-1VC1H180J	
59	4 each	101001-1104R c603-35x45	PS	CAP,CER,SMT 0603,10pF,50V,+/-5pF,NPO MATL EIA0603	C129, C130, C131, C132 ECJ-1VC1H100D	
60	6 each	101007-1470R c603-35x45	PS	CAP,CER,SMT 0603,.47uF,6.3V,X5R,+/-10% MATL EIA0603	C178, C182, C185, C186, C192, C195 ECJ-1VB0J474K	
61	9 each	101005-1220R c603-35x45	PS	CAP,CER,SMT 0603,.22uF,10V,+/-10%,X5R MATL EIA0603	C176, C177, C180, C181, C190, C191, C193, C194, C27 ECJ-1VB1A224K	
62	1 each	101782-1565R c402-25	PS	CAP,CER,SMT 0402,5.6pF,50V,+/-25pF,NPO MATL EIA0402	C261 GJM1555C1H5R6CB01D	

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		ION Footprint			PCB Package	Mfr P/N
63	153 each	101587-1100R	PS	CAP,CER,SMT 0402,-1uF,10V,+/-10%,X5R MATL	C273, C274, C1, C10, C106, C107, C108, C109, C11, C110, C111, C112, C113, C116, C117, C118, C119, C12, C120, C121, C122, C123, C124, C125, C126, C137, C138, C139, C142, C143, C145, C146, C147, C148, C149, C15, C151, C152, C153, C154, C156, C157, C158, C159, C163, C164, C165, C166, C170, C172, C175, C18, C184, C189, C2, C204, C205, C206, C207, C208, C209, C210, C213, C216, C219, C22, C222, C223, C224, C225, C228, C229, C232, C233, C235, C246, C247, C248, C249, C25, C250, C251, C252, C253, C254, C255, C256, C257, C258, C263, C264, C265, C266, C268, C269, C270, C271, C3, C30, C32, C36, C39, C4, C40, C41, C42, C43, C44, C5, C51, C54, C56, C57, C59, C6, C60, C61, C62, C63, C64, C65, C66, C67, C68, C7, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C9, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99	
		c402-25			EIA0402	C0402C104K8PACTU
64	16 each	101587-1101R	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL	C140, C187, C188, C19, C196, C197, C198, C215, C23, C272, C33, C37, C45, C53, C58, C8	
		c402-25			EIA0402	C0402C103K4RAC
65	7 each	102058-1102R	PS	CAP,CER,SMT 0402,.001uF,50V,+/-10%,X7R MATL	C17, C21, C218, C239, C31, C35, C55	
		c402-25			EIA0402	C0402C102K5RAC

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		PCB Package	Mfr P/N
66	1 each	101782-1474R	PS	CAP,CER,SMT 0402,47pF,50V,+/-5%,NPO MATL	C275
		c402-25		EIA0402	C0402C470J5GACTU
66	8 each	101069-1000R	PS	RES,NETWORK,SMT,16 PIN,8 RES,10 MATL	RN13, RN15, RN17, RN18, RN19, RN20, RN21, RN22
		rpk16-10x25-2hv		EXB-2HVS	EXB-2HV100JV
67	6 each	101069-2200R	PS	RES,NETWORK,SMT,16 PIN,8 RES,22 MATL	RN10, RN11, RN12, RN14, RN16, RN9
		rpk16-10x25-2hv		EXB-2HVS	EXB-2HV220JV
68	1 each	101327-1003R	PS	RES,NETWORK,SMT,8 PIN,4 RES,10K MATL	RN23
		rpk8-10x25-28v		EXB-28VS	EXB-28V103JX
69	1 each	101327-1002R	PS	RES,NETWORK,SMT,8 PIN,4 RES,1K MATL	RN24
		rpk8-10x25-28v		EXB-28VS	EXB-28V102JX
70	8 each	101327-2200R	PS	RES,NETWORK,SMT,8 PIN,4 RES,22 MATL	RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8
		rpk8-10x25-28v		EXB-28VS	EXB-28V220JX
71	30 each	101370-0001R	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL	R104, R108, R141, R142, R15, R176, R177, R190, R191, R217, R220, R221, R222, R229, R230, R231, R232, R250, R317, R333, R343, R344, R347, R380, R381, R382, R383, R388, R389, R390
		r402-25		EIA0402	RC0402JR-070RL
72	5 each	101370-1000R	PS	RES,SMT 0402,10 OHM,5%,1/16 WATT MATL	R194, R195, R196, R197, R396
		r402-25		EIA0402	RC0402JR-0710RL
73	6 each	101370-1001R	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL	R376, R377, R378, R379, R385, R386
		r402-25		EIA0402	RC0402JR-07100RL
74	2 each	101370-1004R	PS	RES,SMT 0402,100K,5%,1/16 WATT MATL	R52, R60
		r402-25		EIA0402	RC0402JR-07100KL

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		PCB Package	Mfr P/N
75	50 each	101370-1003R	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL	R101, R110, R111, R131, R132, R133, R134, R135, R136, R148, R149, R150, R167, R168, R169, R174, R175, R179, R189, R218, R219, R224, R273, R292, R325, R326, R329, R331, R332, R335, R338, R346, R349, R353, R387, R53, R56, R61, R62, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R65
		r402-25		EIA0402	RC0402JR-0710KL
76	12 each	101370-1002R	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL	R22, R233, R289, R291, R293, R302, R303, R315, R319, R341, R369, R371
		r402-25		EIA0402	RC0402JR-071KL
77	10 each	101370-2202R	PS	RES,SMT 0402,2.2K OHM,5%,1/16 WATT MATL	R113, R114, R211, R225, R236, R363, R40, R41, R42, R43
		r402-25		EIA0402	RC0402JR-072K2L
78	21 each	101370-2003R	PS	RES,SMT 0402,20K,5%,1/16 WATT MATL	R124, R127, R128, R129, R130, R185, R186, R192, R193, R202, R215, R24, R25, R26, R35, R355, R37, R67, R70, R73, R81
		r402-25		EIA0402	ERJ-2GEJ203X
79	42 each	101370-2200R	PS	RES,SMT 0402,22 OHM,5%,1/16 WATT MATL	R1, R10, R11, R12, R14, R16, R209, R210, R27, R29, R30, R31, R32, R39, R4, R5, R6, R66, R69, R7, R72, R75, R76, R77, R78, R79, R8, R80, R82, R86, R87, R9, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99
		r402-25		EIA0402	RC0402JR-0722RL
80	6 each	101370-2201R	PS	RES,SMT 0402,220 OHM,5%,1/16 WATT MATL	R234, R235, R239, R240, R368, R374
		r402-25		EIA0402	RC0402JR-07220RL

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		ION Footprint			PCB Package	Mfr P/N
81	40 each	101370-2002R	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL	R121, R122, R123, R125, R126, R137, R151, R17, R18, R19, R20, R206, R207, R208, R248, R249, R253, R254, R259, R260, R263, R264, R268, R269, R271, R275, R283, R286, R3, R327, R384, R46, R47, R49, R50, R51, R83, R84, R88, R89	
		r402-25			EIA0402	RC0402JR-072KL
82	7 each	101370-3300R	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT MATL	R112, R171, R345, R352, R354, R357, R358	
		r402-25			EIA0402	RC0402JR-0733RL
83	6 each	101370-3301R	PS	RES,SMT 0402,330 OHM,5%,1/16 WATT MATL	R144, R145, R146, R147, R184, R188	
		r402-25			EIA0402	RC0402JR-07330RL
84	9 each	101370-3601R	PS	RES,SMT 0402,360 OHM,5%,1/16 WATT MATL	R152, R153, R21, R23, R367, R370, R44, R45, R48	
		r402-25			EIA0402	RC0402JR-07360RL
85	2 each	101370-4703R	PS	RES,SMT 0402,47K OHM,5%,1/16 WATT MATL	R187, R328	
		r402-25			EIA0402	RC0402JR-0747KL
86	2 each	101370-1503R	PS	RES,SMT 0402,15K OHM,5%,1/16 WATT MATL	R120, R393	
		r402-25			EIA0402	RC0402JR-0715KL
87	2 each	102145-2490R	PS	RES,SMT 0402,24.9 OHM,1%,1/16 WATT MATL	R223, R375	
		r402-25			EIA0402	ERJ-2RKF24R9X
88	7 each	102145-1003R	PS	RES,SMT 0402,10K,1%,1/16 WATT MATL	R213, R214, R226, R227, R348, R351, R356	
		r402-25			EIA0402	RC0402FR-0710KL
89	1 each	100687-0100R	PS	RES,SMT 0603,1 OHM,5%,1/16 WATT MATL	R212	
		r603-35X45			EIA0603	ERJ-3RQJ1R0V
90	1 each	100687-1501R	PS	RES,SMT 0603,150 OHM,5%,1/16 WATT MATL	R173	
		r603-35x45			EIA0603	ERJ-3GEYJ151V
91	4 each	100687-5602R	PS	RES,SMT 0603,5.6K OHM,5%,1/16 WATT MATL	R180, R181, R182, R183	
		r603-35x45			EIA0603	ERJ-3GEYJ562V

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		ION Footprint			PCB Package	Mfr P/N
92	10 each	100687-5103R r603-35X45	PS	RES,SMT 0603,51K OHM,5%,1/16 WATT MATL	R154, R155, R156, R157, R158, R159, R160, R161, R162, R163 EIA0603 ERJ-3GEYJ513V	
93	2 each	100642-1005R r603-35x45	PS	RES,SMT 0603,1M OHM,1%,1/16 WATT MATL	R391, R392 EIA0603 ERJ-3EKF1004V	
94	1 each	100642-1502R r603-35x45	PS	RES,SMT 0603,1.5K OHM,1%,1/16 WATT MATL	R172 EIA0603 ERJ-3EKF1501V	
95	2 each	100642-1001R r603-35x45	PS	RES,SMT 0603,100 OHM,1%,1/16 WATT MATL	R107, R290 EIA0603 RC0603FR-07100RL	
96	1 each	100642-1503R r603-35x45	PS	RES,SMT 0603,15K OHM,1%,1/16 WATT MATL	R372 EIA0603 ERJ-3EKF1502V	
97	1 each	100642-2214R r603-35x45	PS	RES,SMT 0603,221K OHM,1%,1/16 WATT MATL	R373 EIA0603 ERJ-3EKF2213V	
98	1 each	100642-3012R r603-35x45	PS	RES,SMT 0603,3.01K OHM,1%,1/16 WATT MATL	R266 EIA0603 ERJ-3EKF3011V	
99	1 each	100642-4992R r603-35x45	PS	RES,SMT 0603,4.99K OHM,1%,1/16 WATT MATL	R350 EIA0603 ERJ-3EKF4991V	
100	13 each	100642-4990R r603-35x45	PS	RES,SMT 0603,49.9 OHM,1%,1/10 WATT MATL	R237, R238, R241, R242, R243, R304, R305, R306, R307, R308, R309, R310, R311 ERJ-3EKF49R9V	
101	7 each	102598-0002R r1206-40x70	PS	RES,SMT 1206,.02 OHM,2%,1/2 WATT MATL	R100, R118, R119, R55, R57, R63, R64 EIA1206 RL1632T-R020-G	
102	7 each	100830-0025R R2512	PS	RES,SMT 2512,.025 OHM,1%,1W MATL	R115, R116, R312, R313, R316, R318, R323 EIA2512 WSL2512R0250FEA	
103	2 each	101184-0006R SW6-30X50-TDA	PS	SWITCH,DIP,SMT,HALF-PITCH,6 POS. MATL	SW2, SW5 SMTDIPSW6A TDA06H0SB1R	
104	1 each	100601-0001R SW-7201-DPDT-10073	PS	SWITCH,PWB,DPDT,3 AMP,RIGHT ANGLE MATL	SW6 DPDTSW 7201MD9AQE	

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		PCB Package	Mfr P/N
105	1 each	100584-0004R	PS	SWITCH,DIP,SMT,4 POS MATL	SW3
				SMTDIPSW8	219-4LPSTR
106	1 each	101215-0001R	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm MATL	SW4
		SW-40X126-EVQP1		101215	EVQ9P105M
107	1 each	102181-0002R	PS	SWITCH,SMT,SLIDE,2 POSITION,GULL WING MATL	SW1
		sw6-40x67_gw		CASD20TB	CAS-D20TB
108	1 each	101238-0001R	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm MATL	J6
		PWR3-RASM712		RASM712	RASM712TRP15X
109	1 each	101678-0001R	PS	CONN,RECEPTACLE,4 POS,RIGHT MATL	J3
		usb_a_sh		USBTYP EA	292303-1
110	1 each	102836-0001R	PS	CONN,SMT,RECEPTACLE,5 POS,RIGHT MATL	J2
					ZX62-AB-5PA
111	1 each	101881-0020R	PS	CONN,SMT,RECEPTACLE,20x2,.8mm,HI-SPEED MATL	P12
		QSE_020		QSE-020-01	QSE-020-01-L-D-A-K-TR
112	2 each	101881-0040R	PS	CONN,SMT,RECEPTACLE,40x2,.8mm,HI-SPEED MATL	P11, P13
		qse_040		QSE-040-01	QSE-040-01-L-D-A-K
113	2 each	102166-0001R	PS	CONN,JACK,RJ45,INTEGRATED MAGNETICS MATL	P10, P9
		conn8-rt-rj45-sh-halo		HF11-2450E	HFJ11-2450E-L21RL
114	4 each	101012-0001R	PS	CONN,SMT,JACK,STEREO,4 POS.,3.6mm MATL	P3, P4, P5, P6
		st_3500		ST-3500	STX-3500-4NTR
115	1 each	102710-0001R	PS	CONN,SMT,SD/MMC/RS-MMC MATL	P2
		conn-mmc-mhc-w21-601		MHC-W21-601	MHC-W21-601-LF
116	1 each	100558-0009R	PS	CONN,DB9,MALE,RIGHT ANGLE,.318 MATL	P1
		CONN9D-6547-RT-M		DB9MR-1225X475	2100-009P

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		ION Footprint			PCB Package	Mfr P/N
117	46 each	100115-0001R	PL	HEADER,1 X 1,VERTICAL,PIN SUBA	TP1, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP2, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP34, TP35, TP36, TP37, TP38, TP39, TP4, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP47, TP48, TP5, TP6, TP7, TP8, TP9	
		tp1-6040			CON1	
118	1 each	100115-0002R	PL	HEADER,2 X 1,VERTICAL,PIN SUBA	J1	
		JUMP1X2-6040			CON2	
119	1 each	100116-0007R	PL	HEADER,7 X 2,VERTICAL,PIN SUBA	J4	
		JUMP2X7-6040			CON7X2	2011-2X07G00SB/SN
120	1 each	100116-0010R	PL	HEADER,10 X 2,VERTICAL,PIN SUBA	J5	
		JUMP2X10-6040			CON10X2	
121	15 each	NO-POP	PS	NP	P14, P15, P8, TP3, TP33, PTP1, PTP10, PTP3, PTP4, PTP5, PTP6, PTP7, PTP8, PTP9, Y3	
				NO-POP		
122	2 each	C0603-NOPOP	PS	NP	C199, C200	
		c603-35x45			EIA0603	

Parts List

ASSY,DA830 DSK 256 BGA FOR MANUAL

511140-0001M

Rev F

Printed 11/16/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		ION Footprint			PCB Package	Mfr P/N
123	93 each	R0402-NOPOP	PS	NP	R102, R103, R105, R106, R109, R117, R13, R138, R139, R140, R143, R164, R165, R166, R178, R198, R199, R2, R200, R201, R203, R204, R205, R216, R228, R244, R245, R246, R247, R251, R252, R255, R256, R257, R258, R261, R262, R265, R267, R270, R272, R274, R276, R277, R278, R279, R28, R280, R281, R282, R284, R285, R287, R288, R294, R295, R296, R297, R298, R299, R300, R301, R314, R320, R321, R322, R324, R33, R330, R334, R336, R337, R339, R34, R340, R342, R359, R36, R360, R361, R362, R364, R365, R38, R54, R58, R59, R68, R71, R74, R85, R394, R395	
		r402-25			EIA0402	
124	1 each	R0603-NOPOP	PS	NP	R170	
		r603-35X45			EIA0603	
125	1 each	R2512-NOPOP	PS	NP	R366	
		R2512			EIA2512	
126	3 each	C0402-NOPOP	PS	NP	C144, C26, C267	
		c402-25			EIA0402	