

Parts List

511060-0001R

ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

Type	PL	PCB Package
Revision	C	ION Footprint
Status	U	Package Qty
Date	5/28/2008	Bin Loc.
By		Product Class
		SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
PCB Package					Mfr P/N
1	1 each	511061-0001R	DWG C	PWB,DA830 MULTICHANNEL AUDIO BOARD CSTM	
2	1 each	511062-0001	DOC C	LOGIC,DA830 MULTICHANNEL AUDIO BOARD SCH	
5	1 each	102794-0001R	PS	IC,TQFP80,AUDIO CODEC MATL PQFP80PN	U15 AK4588VQP
6	4 each	102820-0001R	PS	IC,SSOP20,24-BIT DAC,SINGLE-ENDED ANALOG MATL DB20	U4, U7, U9, U11 PCM1802DB
7	4 each	102823-0001R	PS	IC,S08,DUAL OP AMP MATL S08	U14, U18, U20, U22 RC4580ID
8	4 each	102605-0001R	PS	IC,S08,DUAL AUDIO OP AMP MATL S08	U3, U6, U8, U10 OPA2134UAG4
9	3 each	101057-0004R	PS	IC,S05,SINGLE INVERTER GATE MATL DCK5	U12, U19, U13 SN74LVC1G04DCKRG4
10	1 each	102872-0001R	PS	IC,DBV6,CONFIGURABLE MULTIPLE-FUNCTION MATL DBV6	U16 SN74LVC1G57DBVR
12	3 each	102821-0001R	PS	IC,MSOP8,LDO REGULATOR,250mA MATL DGK8	U24, U25, U23 TPS77301DGK
13	1 each	102822-0001R	PS	IC,QFN24,DC-DC CONVERTER,POSITIVE AND MATL HVQFN24	U5 TPS65131RGET
14	1 each	102784-0001R	PS	IC,SMT,BOOST CONVERTER MATL QFN10	U21 TPS61080DRCT
17	1 each	100913-0001R	PS	REGULATOR,SMT,TO263,ADJUSTABLE,LM317S MATL LT1117CM	U2 LM317KTTR

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PCB Package					Mfr P/N
18	1 each	102829-0001R LT1117CM	PS	IC,SOT263,REGULATOR,ADJUSTABLE,NEGATIV MATL	U1 LM337KTTR
19	1 each	102201-2457R OSC-F4100A	PS	OSC,SMT,24.576 MHZ,3.3V MATL	U17 CSX750FBC24.576000M- UT
20	1 each	100937-0245R CSM-7	PS	CRYSTAL,SMT,24.576 MHZ MATL	Y1 HCM49-24.576MABJ-UT
22	1 each	102827-0001R SOT23-FET	PS	TRANSISTOR,SOT23,MOSFET,20V MATL	Q1 SI2323DS-T1-E3
23	2 each	100587-0001R SOT23-NPN	PS	TRANSISTOR,SMT,SOT23,2N4401 MATL	Q10, Q9 MMBT4401-7-F
24	1 each	101360-0001R SOT23-NPN	PS	TRANSISTOR,SOT23,PNP,FM3T906 MATL	Q8 MMBT3906-7-F
25	8 each	102809-0001R SOT23-EBC	PS	TRANSISTOR,SOT23,NPN MATL	Q2, Q11, Q12, Q3, Q6, Q7, Q4, Q5 2SC3326A(T5LFT)
26	2 each	101640-0001R MBRM140	PS	DIODE,SMT,SCHOTTKY RECTIFIER,1A,40V MATL	D1, D4 MBRM140T1G
27	1 each	101367-0001R SOT23	PS	DIODE,SMT,SCHOTTKY,DUAL,BAT54C MATL	D5 BAT54C
28	1 each	100185-0001R SOT23-B	PS	DIODE,SOT23,SWITCHING MATL	D6 BAS16-7-F
29	2 each	101328-0001R SMB	PS	DIODE,SMT,ULTRAFast RECTIFIER,1A,50-600V MATL	D3, D2 MURS120T3G
32	5 each	100823-0001R EIA1206D	PS	LED,SMT 1206,GREEN MATL	DS7, DS5, DS2, DS1, DS6 LTST-C150GKT
33	1 each	100823-0003R EIA1206D	PS	LED,SMT 1206,ORANGE MATL	DS3 LTST-C150EKT

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34	1 each	100823-0002R	PS	LED,SMT 1206,RED MATL	DS4
		EIA1206D			LTST-C150CKT
41	1 each	102569-1470R	PS	FILTER,SMT 0805,EMI,.47uF,16V MATL	E1
		NFM21			NFM21PC474R1C3D
42	1 each	101592-0731R	PS	INDUCTOR,SMT,7.3uH MATL	L6
		CDRH6			CDRH6D28NP-7R3NC
43	2 each	101776-0530R	PS	INDUCTOR,SMT,5.3uH,5.7mm SQ. MATL	L2, L3
		IND-CDRH5D18			CDRH5D28NP-5R3NC
44	1 each	101228-2201R	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL	L1
		EIA0805			BLM21PG221SN1D
45	2 each	101126-0001R	PS	FERRITE BEAD,SMT 1806,75 OHMS MATL	L4, L5
		SMTIND			BLM41PG750SN1L
50	3 each	101290-0102R	PS	CAP,TANT,SMT 2816,100uF,16V MATL	C143, C23, C20
		EIA2816P			T491D107K016AT
55	16 each	102852-0221R	PS	CAP,ELEC,SMT,22uF,10V MATL	C97, C107, C134, C120, C146, C139, C5, C37, C10, C36, C58, C70, C57, C77, C98, C111
		SMTRAD150			EEE-FK1A220R
60	44 each	102824-0101R	PS	CAP,CER,SMT 1206,10uF,16V,X5R MATL	C14, C43, C53, C40, C41, C73, C66, C65, C155, C151, C48, C82, C71, C80, C86, C144, C142, C2, C90, C92, C126, C112, C13, C84, C109, C140, C119, C59, C17, C78, C62, C108, C113, C145, C133, C32, C6, C56, C52, C11, C149, C29, C38, C63
		EIA1206			GRM31CR61C106KC31L
61	10 each	101694-0470R	PS	CAP,CER,SMT 1206,4.7uF,16V,X5R MATL	C49, C24, C25, C21, C22, C45, C46, C27, C28, C47
		EIA1206			C1206C475K4PAC
62	1 each	101007-0220R	PS	CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% MATL	C123
		EIA0603			ECJ-1VB0J225K

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63	2 each	100942-0100R EIA1206	PS	CAP,CER,SMT 1206,1uF,16V,+/-20%,X7R MATL	C33, C44 1206YC105MAT2A
68	2 each	101001-1104R EIA0603	PS	CAP,CER,SMT 0603,10pF,50V,+/-5pF,NPO MATL	C4, C35 ECJ-1VC1H100D
69	1 each	100999-1220R EIA0603	PS	CAP,CER,SMT 0603,.22uF,16V,+80/-20%,Y5V MATL	C34 0603YG224ZAT2A
70	53 each	100994-1100R EIA0603	PS	CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R MATL	C117, C141, C61, C60, C42, C69, C68, C67, C152, C131, C30, C3, C54, C50, C83, C72, C81, C85, C121, C122, C114, C74, C75, C100, C99, C147, C148, C7, C1, C8, C89, C91, C125, C124, C110, C15, C18, C19, C157, C154, C158, C79, C106, C132, C118, C51, C31, C76, C55, C12, C39, C64, C104 C0603C104K4RAC
71	6 each	100993-1101R EIA0603	PS	CAP,CER,SMT 0603,.01uF,50V,+/-10%,X7R MATL	C153, C26, C150, C156, C16, C9 06035C103KAT2A
72	1 each	100994-1471R EIA0603	PS	CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R MATL	C136 ECJ-1VB1C473K
75	16 each	100993-3303R EIA0603	PS	CAP,CER,SMT 0603,330pF,50V,+/-10%,X7R MATL	C101, C103, C127, C128, C115, C116, C93, C137, C138, C129, C130, C96, C94, C95, C102, C105 06035C331KAT2A
76	2 each	101103-1184R EIA0603	PS	CAP,CER,SMT 0603,18pF,50V,+/-5%,NPO MATL	C87, C88 ECJ-1VC1H180J
77	1 each	101002-1334R EIA0603	PS	CAP,CER,SMT 0603,33pF,50V,+/-5%,NPO MATL	C135 ECJ-1VC1H330J
79	5 each	100155-0001R EIA1206	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL	R166, R30, R27, R167, R45 RC1206JR-070RL

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80	19 each	100687-0001R	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL	R105, R5, R133, R29, R132, R112, R156, R153, R174, R175, R16, R15, R89, R14, R38, R61, R82, R205, R207 ERJ-3GEY0R00V
EIA0603					
81	22 each	100687-0100R	PS	RES,SMT 0603,1 OHM,5%,1/16 WATT MATL	R41, R40, R42, R194, R200, R91, R193, R129, R128, R159, R190, R177, R178, R158, R33, R2, R51, R32, R65, R50, R88, R64 ERJ-3RQJ1R0V
EIA0603					
82	31 each	100687-3300R	PS	RES,SMT 0603,33 OHM,5%,1/16 WATT MATL	R99, R101, R97, R148, R108, R127, R126, R106, R85, R124, R86, R151, R107, R109, R122, R104, R120, R1, R98, R96, R95, R71, R103, R72, R73, R150, R123, R130, R125, R100, R102 RC0603JR-0733RL
EIA0603					
83	16 each	100642-3321R	PS	RES,SMT 0603,332 OHM,1%,1/16 WATT MATL	R10, R36, R12, R37, R11, R52, R34, R53, R59, R78, R60, R80, R66, R79, R67, R81 ERJ-3EKF3320V
EIA0603					
84	8 each	100642-5621R	PS	RES,SMT 0603,562 OHM,1%,1/16 WATT MATL	R9, R35, R8, R46, R57, R77, R58, R76 ERJ-3EKF5620V
EIA0603					
85	8 each	100642-2202R	PS	RES,SMT 0603,2.2K OHM,1%,1/16 WATT MATL	R115, R155, R135, R179, R154, R187, R176, R90 9C06031A2201FKHFT
EIA0603					
86	16 each	100642-4752R	PS	RES,SMT 0603,4.75K OHM,1%,1/16 WATT MATL	R113, R92, R136, R138, R134, R137, R160, R162, R157, R161, R186, R114, R188, R191, R189, R116 ERJ-3EKF4751V
EIA0603					
87	10 each	100687-1003R	PS	RES,SMT 0603,10K OHM,5%,1/16 WATT MATL	R117, R185, R139, R140, R163, R164, R192, R180, R93 RC0603JR-0710KL
EIA0603					
88	2 each	100642-1001R	PS	RES,SMT 0603,100 OHM,1%,1/16 WATT MATL	R171, R149 RC0603FR-07100RL
EIA0603					

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95	3 each	100642-6200R EIA0603	PS	RES,SMT 0603,62 OHM,1%,1/16 WATT MATL	R197, R70, R69 RC0603FR-0762RL
96	2 each	100687-1501R EIA0603	PS	RES,SMT 0603,150 OHM,5%,1/16 WATT MATL	R201, R202 ERJ-3GEYJ151V
97	1 each	100642-7500R EIA0603	PS	RES,SMT 0603,75 OHM,1%,1/16 WATT MATL	R13 ERJ-3EKF75R0V
98	1 each	100642-1101R EIA0603	PS	RES,SMT 0603,110 OHM,1%,1/16 WATT MATL	R17 RC0603FR-07110RL
99	1 each	100642-2211R EIA0603	PS	RES,SMT 0603,221 OHM,1%,1/16 WATT MATL	R20 ERJ-3EKF2210V
100	2 each	100642-4991R EIA0603	PS	RES,SMT 0603,499 OHM,1%,1/16 WATT MATL	R56, R55 ERJ-3EKF4990V
101	11 each	100642-1002R EIA0603	PS	RES,SMT 0603,1K OHM,1%,1/16 WATT MATL	R144, R143, R145, R119, R118, R141, R183, R4, R3, R28, R208 ERJ-3EKF1001V
102	8 each	100642-1502R EIA0603	PS	RES,SMT 0603,1.5K OHM,1%,1/16 WATT MATL	R84, R18, R48, R63, R54, R39, R68, R94 ERJ-3EKF1501V
103	9 each	100642-1622R EIA0603	PS	RES,SMT 0603,1.62K OHM,1%,1/16 WATT MATL	R87, R182, R131, R110, R168, R111, R152, R172, R173 ERJ-3EKF1621V
104	1 each	100642-1203R EIA0603	PS	RES,SMT 0603,12K OHM,1%,1/16 WATT MATL	R142 RC0603FR-0712KL
105	3 each	100642-3013R EIA0603	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL	R204, R199, R196 ERJ-3EKF3012V
106	1 each	100642-4753R EIA0603	PS	RES,SMT 0603,47.5K OHM,1%,1/16 WATT MATL	R181 ERJ-3EKF4752V
107	1 each	100642-5363R EIA0603	PS	RES,SMT 0603,53.6K OHM,1%,1/16 WATT MATL	R198 ERJ-3EKF5362V

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108	1 each	100642-4992R EIA0603	PS	RES,SMT 0603,4.99K OHM,1%,1/16 WATT MATL	R165 ERJ-3EKF4991V
109	1 each	100642-2154R EIA0603	PS	RES,SMT 0603,215K OHM,1%,1/16 WATT MATL	R170 ERJ-3EKF2153V
110	2 each	100642-9763R EIA0603	PS	RES,SMT 0603,97.6K OHM,1%,1/16 WATT MATL	R195, R203 ERJ-3EKF9762V
111	4 each	100642-4993R EIA0603	PS	RES,SMT 0603,49.9K OHM,1%,1/16 WATT MATL	R7, R43, R31, R169 ERJ-3EKF4992V
112	1 each	100642-2491R EIA0603	PS	RES,SMT 0603,249 OHM,1%,1/16 WATT MATL	R26 ERJ-3EKF2490V
113	1 each	100642-2152R EIA0603	PS	RES,SMT 0603,2.15K OHM,1%,1/16 WATT MATL	R25 ERJ-3EKF2151V
114	1 each	100642-2492R EIA0603	PS	RES,SMT 0603,2.49K OHM,1%,1/16 WATT MATL	R184 ERJ-3EKF2491V
115	1 each	100642-5764R EIA0603	PS	RES,SMT 0603,576K OHM,1%,1/16 WATT MATL	R6 ERJ-3EKF5763V
116	1 each	100642-1211R EIA0603	PS	RES,SMT 0603,121 OHM,1%,1/16 WATT MATL	R24 ERJ-3EKF1210V
117	1 each	100642-1052R EIA0603	PS	RES,SMT 0603,1.05K OHM,1%,1/16 WATT MATL	R23 ERJ-3EKF1051V
118	1 each	100642-6204R EIA0603	PS	RES,SMT 0603,620K OHM,1%,1/16 WATT MATL	R44 ERJ-3EKF6203V
119	5 each	100115-0002R CON2	PL	HEADER,2 X 1,VERTICAL,PIN SUBA	JP3, JP4, JP5, JP6, JP2
120	1 each	100115-0003R CON3	PL	HEADER,3 X 1,VERTICAL,PIN SUBA	JP1

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PCB Package					Mfr P/N
121	8 each	101768-0001R	PS	CONN,STEREO JACK,3.5mm MATL	J9, J10, J11, J12, J5, J6, J7, J8
		SJ-3533			SJ-3533N
125	1 each	102540-0017R	PS	CONN,RCA,RIGHT ANGLE,ORANGE MATL	J2
		RCJ-01			RCJ-017
126	1 each	102540-0014R	PS	CONN,RCA,RIGHT ANGLE,YELLOW MATL	J3
		RCJ-01			RCJ-014
130	1 each	102283-0001R	PS	CONN,FIBER OPTIC RECEIVING MODULE MATL	J1
		TORX141P			TORX147PL(F,T)
150	1 each	102620-0040R	PS	CONN,SMT,HEADER,40x2,.316H,.8mm,HI-SPEED MATL	P1
		QTE-040			QTE-040-02-L-D-A
155	1 each	102389-0001R	PS	SWITCH, SMT,SLIDE,RT ANGLE,SPDT MATL	SW1
		GS01MSAKE			GS01MSABE
160	51 each	100115-0001R	PL	HEADER,1 X 1,VERTICAL,PIN SUBA	TP28, TP41, TP45, TP44, TP25, TP36, TP9, TP12, TP11, TP39, TP40, TP48, TP34, TP38, TP29, TP30, TP31, TP21, TP35, TP37, TP32, TP23, TP51, TP22, TP24, TP18, TP20, TP19, TP13, TP14, TP15, TP26, TP27, TP6, TP16, TP8, TP17, TP43, TP7, TP33, TP10, TP4, TP3, TP1, TP5, TP47, TP50, TP46, TP49, TP2, TP42
		CON1			
175	13 each	R0603-NOPOP	PS	NP	R146, R62, R21, R22, R83, R47, R19, R49, R74, R147, R121, R75, R206
		EIA0603			
176	1 each	NO-POP	PS	NP	J4
		NO-POP			
177	1 each	100606-0001R	PS	BUMPER,CYLINDRICAL,SELF-STICK,BLACK,.5 MATL	
					SJ-5012(BLACK)

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178	2 each	101048-0004R	PS	BUMPER,#4,RECESSED,.5 DIA.,.25H MATL	720
179	2 each	100455-0250R	PS	SPACER,HEX,BRASS,4-40,.25 O.D. X .250L MATL	2100-440-B-12
182	4 each	100329-0187R	PS	SCREW,PHILLIPS,PAN,SS,4-40 X .187 MATL	0440X0187PNPHSSPS