

Parts List

511060-0001R

ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

Type	PL	PCB Package
Revision	A	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 Name	Mfr P/N
1	1 each	511061-0001R	DWG A	PWB,DA830 MULTICHANNEL AUDIO BOARD CSTM	
2	1 each	511062-0001	DOC A	LOGIC,DA830 MULTICHANNEL AUDIO BOARD SCH	
5	1 each	102794-0001R	PS	IC,TQFP80,AUDIO CODEC MATL	U15
		PQFP80PN	AKM Semiconductor		AK4588VQP
6	4 each	102820-0001R	PS	IC,SSOP20,24-BIT DAC,SINGLE-ENDED ANALOG MATL	U4, U7, U9, U11
		DB20	Texas Instruments		PCM1802DB
7	4 each	102823-0001R	PS	IC,S08,DUAL OP AMP MATL	U14, U18, U20, U22
		S08	Texas Instruments		RC4580ID
8	4 each	102605-0001R	PS	IC,S08,DUAL AUDIO OP AMP MATL	U3, U6, U8, U10
		S08	Texas Instruments		OPA2134UAG4
9	3 each	101057-0004R	PS	IC,S05,SINGLE INVERTER GATE MATL	U12, U19, U13
		DCK5	Texas Instruments		SN74LVC1G04DCKRG4
12	3 each	102821-0001R	PS	IC,MSOP8,LDO REGULATOR,250mA MATL	U24, U25, U23
		DGK8	Texas Instruments		TPS77301DGK
13	1 each	102822-0001R	PS	IC,QFN24,DC-DC CONVERTER,POSITIVE AND MATL	U5
		HVQFN24	Texas Instruments		TPS65131RGET
14	1 each	102784-0001R	PS	IC,SMT,BOOST CONVERTER MATL	U21
		QFN10	Texas Instruments		TPS61080DRCT
17	1 each	100913-0001R	PS	REGULATOR,SMT,TO263,ADJUSTABLE,LM317S MATL	U2
		LT1117CM	Texas Instruments		LM317KTTR
18	1 each	102829-0001R	PS	IC,SOT263,REGULATOR,ADJUSTABLE,NEGATIV MATL	U1
		LT1117CM	Texas Instruments		LM337KTTR

Parts List

ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

511060-0001R

Rev A

Printed 8/4/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
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				Mfr Name	Mfr P/N
20	1 each	100937-0245R	PS	CRYSTAL,SMT,24.576 MHZ MATL	Y1
		CSM-7	Citizen America Corporation		HCM49-24.576MABJ-UT
22	1 each	102827-0001R	PS	TRANSISTOR,SOT23,MOSFET,20V MATL	Q1
		SOT23-FET	Vishay Intertechnology		SI2323DS-T1-E3
23	2 each	100587-0001R	PS	TRANSISTOR,SMT,SOT23,2N4401 MATL	Q10, Q9
		SOT23-NPN	Diodes, Inc.		MMBT4401-7-F
24	1 each	101360-0001R	PS	TRANSISTOR,SOT23,PNP,FM3T300 MATL	Q8
		SOT23-NPN	Diodes, Inc.		MMBT3906-7-F
25	8 each	102809-0001R	PS	TRANSISTOR,SOT23,NPN MATL	Q2, Q11, Q12, Q3, Q6, Q7, Q4, Q5
		SOT23-EBC	Toshiba		2SC3326A(T5LFT)
26	2 each	101640-0001R	PS	DIODE,SMT,SCHOTTKY RECTIFIER,1A,40V MATL	D1, D4
		MBRM140	ON Semiconductor		MBRM140T1G
27	1 each	101367-0001R	PS	DIODE,SMT,SCHOTTKY,DUAL,BAT54C MATL	D5
		SOT23	Fairchild Semiconductor		BAT54C
28	1 each	100185-0001R	PS	DIODE,SOT23,SWITCHING MATL	D6
		SOT23-B	Diodes, Inc.		BAS16-7-F
29	2 each	101328-0001R	PS	DIODE,SMT,ULTRAFast RECTIFIER,1A,50-600V MATL	D3, D2
		SMB	ON Semiconductor		MURS120T3G
32	5 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	DS7, DS5, DS2, DS1, DS6
		EIA1206D	LITEON		LTST-C150GKT
34	2 each	100823-0002R	PS	LED,SMT 1206,RED MATL	DS4, DS3
		EIA1206D	LITEON		LTST-C150CKT
41	1 each	102569-1470R	PS	FILTER,SMT 0805,EMI,.47uF,16V MATL	E1
		NFM21	Murata Electronics		NFM21PC474R1C3D
42	1 each	101592-0731R	PS	INDUCTOR,SMT,7.3uH MATL	L6
		CDRH6	Sumida Electric Co., Ltd.		CDRH6D28NP-7R3NC

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ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

511060-0001R

Rev A

Printed 8/4/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
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43	2 each	101776-0530R	PS	INDUCTOR,SMT,5.3uH,5.7mm SQ. MATL	L2, L3
		IND-CDRH5D18		Sumida Electric Co., Ltd.	CDRH5D28NP-5R3NC
44	1 each	101228-2201R	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL	L1
		EIA0805		Murata Electronics	BLM21PG221SN1D
45	2 each	101126-0001R	PS	FERRITE BEAD,SMT 1806,75 OHMS MATL	L4, L5
		SMTIND		Murata Electronics	BLM41PG750SN1L
50	3 each	101290-0102R	PS	CAP,TANT,SMT 2816,100uF,16V MATL	C143, C23, C20
		EIA2816P		Kemet Electronics Corporation	T491D107K016AT
55	16 each	101798-0221R	PS	CAP,CER,SMT 1210,22uF,16V,Y5V MATL	C97, C107, C134, C120, C146, C139, C5, C37, C10, C36, C58, C70, C57, C77, C98, C111
		EIA1210		Panasonic	ECJ-4YF1C226Z
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		Murata Electronics	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		Kemet Electronics Corporation	C1206C475K4PAC
62	1 each	101007-0220R	PS	CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% MATL	C123
		EIA0603		Panasonic	ECJ-1VB0J225K
63	2 each	100942-0100R	PS	CAP,CER,SMT 1206,1uF,16V,+/-20%,X7R MATL	C33, C44
		EIA1206		AVX Corporation	1206YC105MAT2A
68	2 each	101001-1104R	PS	CAP,CER,SMT 0603,10pF,50V,+/-5pF,NPO MATL	C4, C35
		EIA0603		Panasonic	ECJ-1VC1H100D
69	1 each	100999-1220R	PS	CAP,CER,SMT 0603,.22uF,16V,+80/-20%,Y5V MATL	C34
		EIA0603		AVX Corporation	0603YG224ZAT2A

Parts List

ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

511060-0001R

Rev A

Printed 8/4/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
PCB Package					
			Mfr Name		Mfr P/N
70	53 each	100994-1100R	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
		EIA0603	Kemet Electronics Corporation		C0603C104K4RAC
71	6 each	100993-1101R	PS	CAP,CER,SMT 0603,.01uF,50V,+/-10%,X7R MATL	C153, C26, C150, C156, C16, C9
		EIA0603	AVX Corporation		06035C103KAT2A
72	1 each	100994-1471R	PS	CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R MATL	C136
		EIA0603	Panasonic		ECJ-1VB1C473K
75	16 each	100993-3303R	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
		EIA0603	AVX Corporation		06035C331KAT2A
76	2 each	101103-1184R	PS	CAP,CER,SMT 0603,18pF,50V,+/-5%,NPO MATL	C87, C88
		EIA0603	Panasonic		ECJ-1VC1H180J
77	1 each	101002-1334R	PS	CAP,CER,SMT 0603,33pF,50V,+/-5%,NPO MATL	C135
		EIA0603	Panasonic		ECJ-1VC1H330J
79	5 each	100155-0001R	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL	R166, R30, R27, R167, R45
		EIA1206	Yageo		RC1206JR-070RL
80	18 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, R121, R14, R38, R61, R82
		EIA0603	Panasonic		ERJ-3GEY0R00V
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
		EIA0603	Panasonic		ERJ-3RQJ1R0V

Parts List

ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

511060-0001R

Rev A

Printed 8/4/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
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			Mfr Name		Mfr P/N
82	31 each	100687-3300R	PS	RES,SMT 0603,33 OHM,5%,1/16 WATT MATL	R102, 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 EIA0603 Yageo RC0603JR-0733RL
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 EIA0603 Panasonic ERJ-3EKF3320V
84	8 each	100642-5621R	PS	RES,SMT 0603,562 OHM,1%,1/16 WATT MATL	R9, R35, R8, R46, R57, R77, R58, R76 EIA0603 Panasonic ERJ-3EKF5620V
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 EIA0603 Yageo 9C06031A2201FKHFT
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 EIA0603 Panasonic ERJ-3EKF4751V
87	9 each	100687-1003R	PS	RES,SMT 0603,10K OHM,5%,1/16 WATT MATL	R117, R185, R139, R140, R163, R164, R192, R180, R93 EIA0603 Yageo RC0603JR-0710KL
88	3 each	100642-1001R	PS	RES,SMT 0603,100 OHM,1%,1/16 WATT MATL	R171, R149, R147 EIA0603 Yageo RC0603FR-07100RL
95	3 each	100642-6200R	PS	RES,SMT 0603,62 OHM,1%,1/16 WATT MATL	R197, R70, R69 EIA0603 Yageo RC0603FR-0762RL
96	2 each	100687-1501R	PS	RES,SMT 0603,150 OHM,5%,1/16 WATT MATL	R201, R202 EIA0603 Panasonic ERJ-3GEYJ151V
97	1 each	100642-7500R	PS	RES,SMT 0603,75 OHM,1%,1/16 WATT MATL	R13 EIA0603 Panasonic ERJ-3EKF75R0V
98	1 each	100642-1101R	PS	RES,SMT 0603,110 OHM,1%,1/16 WATT MATL	R17 EIA0603 Yageo RC0603FR-07110RL

Parts List

ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

511060-0001R

Rev A

Printed 8/4/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
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99	1 each	100642-2211R	PS	RES,SMT 0603,221 OHM,1%,1/16 WATT MATL	R20
		EIA0603		Panasonic	ERJ-3EKF2210V
100	2 each	100642-4991R	PS	RES,SMT 0603,499 OHM,1%,1/16 WATT MATL	R56, R55
		EIA0603		Panasonic	ERJ-3EKF4990V
101	11 each	100642-1002R	PS	RES,SMT 0603,1K OHM,1%,1/16 WATT MATL	R75, R144, R143, R145, R119, R118, R141, R183, R4, R3, R28
		EIA0603		Panasonic	ERJ-3EKF1001V
102	8 each	100642-1502R	PS	RES,SMT 0603,1.5K OHM,1%,1/16 WATT MATL	R84, R18, R48, R63, R54, R39, R68, R94
		EIA0603		Panasonic	ERJ-3EKF1501V
103	9 each	100642-1622R	PS	RES,SMT 0603,1.62K OHM,1%,1/16 WATT MATL	R87, R182, R131, R110, R168, R111, R152, R172, R173
		EIA0603		Panasonic	ERJ-3EKF1621V
104	1 each	100642-1203R	PS	RES,SMT 0603,12K OHM,1%,1/16 WATT MATL	R142
		EIA0603		Yageo	RC0603FR-0712KL
105	3 each	100642-3013R	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL	R204, R199, R196
		EIA0603		Panasonic	ERJ-3EKF3012V
106	1 each	100642-4753R	PS	RES,SMT 0603,47.5K OHM,1%,1/16 WATT MATL	R181
		EIA0603		Panasonic	ERJ-3EKF4752V
107	1 each	100642-5363R	PS	RES,SMT 0603,53.6K OHM,1%,1/16 WATT MATL	R198
		EIA0603		Panasonic	ERJ-3EKF5362V
108	1 each	100642-4992R	PS	RES,SMT 0603,4.99K OHM,1%,1/16 WATT MATL	R165
		EIA0603		Panasonic	ERJ-3EKF4991V
109	1 each	100642-2154R	PS	RES,SMT 0603,215K OHM,1%,1/16 WATT MATL	R170
		EIA0603		Panasonic	ERJ-3EKF2153V
110	2 each	100642-9763R	PS	RES,SMT 0603,97.6K OHM,1%,1/16 WATT MATL	R195, R203
		EIA0603		Panasonic	ERJ-3EKF9762V
111	4 each	100642-4993R	PS	RES,SMT 0603,49.9K OHM,1%,1/16 WATT MATL	R7, R43, R31, R169
		EIA0603		Panasonic	ERJ-3EKF4992V

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ASSY,DA830 MULTICHANNEL AUDIO BOARD
SUBA

511060-0001R

Rev A

Printed 8/4/2008

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				Mfr Name	Mfr P/N
112	1 each	100642-2491R EIA0603	PS	RES,SMT 0603,249 OHM,1%,1/16 WATT MATL	R26 ERJ-3EKF2490V
				Panasonic	
113	1 each	100642-2152R EIA0603	PS	RES,SMT 0603,2.15K OHM,1%,1/16 WATT MATL	R25 ERJ-3EKF2151V
				Panasonic	
114	1 each	100642-2492R EIA0603	PS	RES,SMT 0603,2.49K OHM,1%,1/16 WATT MATL	R184 ERJ-3EKF2491V
				Panasonic	
115	1 each	100642-5764R EIA0603	PS	RES,SMT 0603,576K OHM,1%,1/16 WATT MATL	R6 ERJ-3EKF5763V
				Panasonic	
116	1 each	100642-1211R EIA0603	PS	RES,SMT 0603,121 OHM,1%,1/16 WATT MATL	R24 ERJ-3EKF1210V
				Panasonic	
117	1 each	100642-1072R EIA0603	PS	RES,SMT 0603,1.07K OHM,1%,1/16 WATT MATL	R23 ERJ-3EKF1071V
				Panasonic	
118	1 each	100642-6204R EIA0603	PS	RES,SMT 0603,620K OHM,1%,1/16 WATT MATL	R44 ERJ-3EKF6203V
				Panasonic	
119	2 each	100115-0003R CON3	PL	HEADER,3 X 1,VERTICAL,PIN SUBA	JP1, JP2
120	8 each	101768-0001R SJ-3533	PS	CONN,STEREO JACK,3.5mm MATL	J9, J10, J11, J12, J5, J6, J7, J8 SJ-3533N
				CUI, Inc.	
125	2 each	102540-0017R RCJ-01	PS	CONN,RCA,RIGHT ANGLE,ORANGE MATL	J3, J2 RCJ-017
				CUI, Inc.	
130	1 each	102283-0001R TORX141P	PS	CONN,FIBER OPTIC RECEIVING MODULE MATL	J1 TORX147PL(F,T)
				Toshiba	
135	1 each	101238-0001R RASM712	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm MATL	J4 RASM712TRP15X
				Switchcraft	
150	1 each	102620-0040R QTE-040	PS	CONN,SMT,HEADER,40x2,.316H,.8mm,HI-SPEED MATL	P1 QTE-040-02-L-D-A
				Samtec, Inc.	

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SUBA

511060-0001R

Rev A

Printed 8/4/2008

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155	1 each	102389-0001R	PS	SWITCH, SMT,SLIDE,RT ANGLE,SPDT MATL	SW1
		GS01MSAKE		C&K/Unimax, Inc.	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, R14, R38, R47, R19, R61, R82, R49, R74
		EIA0603			
176	2 each	NO-POP	PS	NP	U16, U17
		NO-POP			