

Parts List

514580-0001R

ASSY,TMS320C5535 eZDSP MODULE
SUBA

Type	PL	PCB Package	
Revision	C	ION Footprint	
Status	U	Package Qty	1
Date	1/11/2011	Bin Loc.	
By		Avg Cost	SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr P/N	Mfr Name
1	1 each	514581-0001R	DWG C	PWB,TMS320C5535 eZDSP MODULE CSTM	
2	1 each	514582-0001	DOC C	LOGIC,TMS320C5535 eZDSP MODULE SCH	
5	1 each	103659-0001R	PS	IC,BGA144,DSP,TMX320C5535ZHH MATL	U4
		skt-sg-bga-6044-144		TMX320C5535AZHH10	Texas Instruments
6	1 each	100837-0001R	PS	IC,SOIC,SERIAL EEPROM,3 WIRE MATL	U2
		so8-25x75		AT93C46DN-SH-T	Atmel Corporation
7	1 each	103172-0001R	PS	IC,QFP64,DUAL USB UART MATL	U6
		PQFP64PM		FT2232HL	Future Technology Devices International Limited
8	1 each	103165-0001R	PS	IC,SO16,SERIAL FLASH MEMORY,QUAD I/O,64 MATL	U9
		so16-25x75-300		W25Q64BVSFIG	Winbond Electronics Corp.
9	1 each	103128-0001R	PS	IC,QFN32,ULTRA LOW POWER STEREO AUDIO MATL	U17
		QFN32_202SQ		TLV320AIC3204IRHBT	Texas Instruments
10	1 each	101593-0001R	PS	IC,TSSOP14,QUAD FET BUS SWITCH,LOW MATL	U5
		tssop14-14x70		SN74CBTLV3125PWR	Texas Instruments
11	1 each	102288-0001R	PS	IC,TSSOP14,QUAD BUS BUFFER GATE,LOW MATL	U10
		pw14-12x70		SN74LV125APWR	Texas Instruments
12	2 each	103735-0001R	PS	IC,SO5,STEP-DOWN MATL	U1, U12
		ddc5		TPS62260DDCR	Texas Instruments
13	1 each	102000-0001R	PS	IC,QSOP20,LOW VOLTAGE,QUICK SWITCH MATL	U18
		QSOP20-14X70		SN74CBTLV3245APWR	Texas Instruments

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15	3 each	103203-0001R	PS	IC,SOT23-8,CURRENT/VOLTAGE MONITOR MATL	U15, U16, U3
		SOT23-8_DCN		INA219AIDCN	Texas Instruments
16	1 each	103125-0001R	PS	IC,SO8,250mA TPS76601DVOLTAGE MATL	U11
		so8-25x75		TPS76601DR	Texas Instruments
18	1 each	102132-0001R	PS	IC,SO5,BOOST CONVERTER,250mA MATL	U13
		dbv-20x60-5		TPS61041DBVR	Texas Instruments
19	1 each	102728-0001R	PS	IC,SMT,ESD PROTECTION MATL	U7
		drl5-12x40		TPD2E001DRLR	Texas Instruments
20	1 each	102948-0001R	PS	IC,DBV6,SINGLE D-TYPE FLIP-FLOP WITH MATL	U8
		dbv6-27x39-6		SN74LVC1G175DBV	Texas Instruments
26	1 each	103464-0012R	PS	OSC,SMT,12 MHZ,3.3V MATL	U14
		xtal4-26x33-asdm		ASDM1-12.000MHZ-LC-T	Abracon
30	1 each	102883-0032R	PS	CRYSTAL,SMT,32.768kHz MATL	Y1
		xtal4-23x47-ssp-t7		SSPT7F-12.5PF20-R	Seiko Instruments USA, Inc.
35	1 each	100894-0005R	PS	DIODE,MELF,ZENER,6.2V,500mW MATL	D2
		MELF1206-40X70		ZMM5234B-7-F	Diodes, Inc.
36	3 each	101009-0001R	PS	DIODE,SOD-123,SCHOTTKY POWER,1A MATL	D1, D3, D4
		sod123-36x48		MBR0520LT1G	ON Semiconductor
40	1 each	103336-0001R	PS	LED,SMT 1206,BLUE MATL	DS6
		led1206-59x59		598-8291-107F	Dialight Corporation
41	3 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	DS1, DS2, DS3
		led1206-59x59		LTST-C150GKT	LITEON
42	1 each	100823-0002R	PS	LED,SMT 1206,RED MATL	DS4
		led1206-59x59		LTST-C150CKT	LITEON
43	1 each	101088-0001R	PS	LED,SMT 1206,YELLOW MATL	DS5
		led1206-59x59		SML-LX1206YC-TR	Lumex, Inc.

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50	6 each	101858-6001R I603-35x45	PS	FERRITE BEAD,SMT 0603,600 OHM MATL	FB1, FB4, FB5, FB6, FB7, L3 BLM18AG601SN1D Murata Electronics
51	2 each	101728-1501R I805-35x60	PS	FERRITE BEAD,SMT 0805,150 OHMS MATL	FB2, FB3 BLM21AG151SN1D Murata Electronics
52	3 each	101228-2201R I805-35x60	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL	L1, L4, L5 BLM21PG221SN1D Murata Electronics
55	1 each	102495-0220R ind_vlf3010	PS	INDUCTOR,SMT,2.2uH,+/-20% MATL	L2 VLF3010AT-2R2M1R0 TDK Corporation
56	2 each	102747-0220R ind_vlcf	PS	INDUCTOR,SMT,2.2uH,+/-30% MATL	L6, L7 VLCF4020T-2R2N1R7 TDK Corporation
60	1 each	100395-0101R c3528-64x112	PS	CAP,TANT,SMT 1311,10uF,20V MATL	C9 TAJB106M020R AVX Corporation
61	2 each	101824-0102R c3528-64x112	PS	CAP,TANT,SMT 1311,100uF,6V MATL	C13, C14 T491B107M006AT Kemet Electronics Corporation
65	2 each	101866-0220R C1206-40X70	PS	CAP,CER,SMT 1206,2.2uF,16V,+/-10%,X7R MATL	C119, C120 EMK316B7225KL-T Taiyo Yuden
66	7 each	102590-0470R c603-35x45	PS	CAP,CER,SMT 0603,4.7uF,6.3V,X5R,+/-20% MATL	C100, C20, C23, C44, C76, C98, C99 GRM188R60J475ME19D Murata Electronics
67	5 each	102193-0100R c603-35x45	PS	CAP,CER,SMT 0603,1uF,16V,X5R,+/-10% MATL	C107, C109, C110, C112, C114 0603YD105KAT2A AVX Corporation
68	15 each	102963-0101R c603-35x45	PS	CAP,CER,SMT 0603,10uF,6.3V,X5R,+/-20% MATL	C1, C10, C11, C12, C15, C18, C19, C21, C25, C3, C4, C6, C7, C8, C94 GRM188R60J106ME Murata Electronics
69	2 each	101007-1470R c603-35x45	PS	CAP,CER,SMT 0603,.47uF,6.3V,X5R,+/-10% MATL	C16, C17 GRM188R60J474KA01D Murata Electronics
70	1 each	100994-1221R c603-35x45	PS	CAP,CER,SMT 0603,.022uF,16V,+/-10%,X7R MATL	C115 ECJ-1VB1C223K Panasonic

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		ION Footprint		Mfr P/N	Mfr Name
71	2 each	103709-0470R c603-35x45-pol	PS	CAP,TANT,SMT 0603,4.7uF,6.3V,+/-20% MATL	C26, C95 F980J475MMA Nichicon Corporation
74	2 each	102058-1222R c402-25	PS	CAP,CER,SMT 0402,2200pF,50V,+/-10%,X7R MATL	C124, C125 C0402C222K5RACTU Kemet Electronics Corporation
75	2 each	101782-1334R c402-25	PS	CAP,CER,SMT 0402,33pF,50V,+/-5%,NPO MATL	C90, C91 C0402C330J5GAC Kemet Electronics Corporation
76	9 each	102962-0100R c402-25	PS	CAP,CER,SMT 0402,1uF,6.3V,+/-10%,X5R MATL	C2, C42, C5, C52, C53, C54, C64, C83, C86 GRM155R60J105KE19D Murata Electronics
77	1 each	101782-1104R c402-25	PS	CAP,CER,SMT 0402,10pF,50V,+/-5%,NPO MATL	C103 C0402C100J5GAC Kemet Electronics Corporation
78	32 each	101587-1100R c402-25	PS	CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R MATL	C101, C102, C104, C105, C106, C108, C111, C113, C116, C117, C118, C122, C123, C22, C24, C27, C31, C34, C35, C36, C39, C47, C61, C68, C70, C78, C79, C80, C81, C92, C96, C97 C0402C104K8PACTU Kemet Electronics Corporation
79	4 each	101587-1101R c402-25	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL	C33, C37, C58, C93 C0402C103K4RAC Kemet Electronics Corporation
85	4 each	103367-1102R c201-6p6spc	PS	CAP,CER,SMT 0201,1000pF,25V,+/-10%,X7R MATL	C50, C56, C66, C74 GRM033R71E102KA01D Murata Electronics
86	26 each	103241-1100R c201-6p6spc	PS	CAP,CER,SMT 0201,.1uF,6.3V,+/-10%,X5R MATL	C28, C29, C30, C32, C40, C45, C46, C48, C49, C57, C59, C60, C62, C63, C65, C67, C69, C71, C72, C75, C77, C82, C84, C85, C87, C88 GRM033R60J104KE19D Murata Electronics
87	7 each	103241-1101R c201-6p6spc	PS	CAP,CER,SMT 0201,.01uF,6.3V,+/-10%,X5R MATL	C38, C41, C43, C51, C55, C73, C89 GRM033R60J103KA01D Murata Electronics

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				Mfr P/N	Mfr Name
100	32 each	101370-0001R	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL	R108, R128, R129, R130, R131, R133, R16, R23, R27, R30, R32, R35, R38, R5, R54, R55, R60, R61, R64, R68, R69, R71, R8, R84, R86, R89, R90, R91, R92, R93, R94, R95
		r402-25		RC0402JR-070RL	Yageo
101	2 each	101370-1001R	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL	R114, R7
		r402-25		RC0402JR-07100RL	Yageo
102	3 each	101370-1004R	PS	RES,SMT 0402,100K,5%,1/16 WATT MATL	R18, R37, R41
		r402-25		RC0402JR-07100KL	Yageo
103	29 each	101370-1003R	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL	R100, R102, R103, R109, R113, R115, R117, R13, R134, R135, R136, R138, R14, R19, R22, R24, R25, R3, R33, R36, R42, R43, R44, R52, R57, R59, R74, R98, R99
		r402-25		RC0402JR-0710KL	Yageo
104	3 each	101370-1002R	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL	R110, R111, R132
		r402-25		RC0402JR-071KL	Yageo
105	1 each	101370-2202R	PS	RES,SMT 0402,2.2K OHM,5%,1/16 WATT MATL	R21
		r402-25		RC0402JR-072K2L	Yageo
106	1 each	101370-2003R	PS	RES,SMT 0402,20K,5%,1/16 WATT MATL	R116
		r402-25		ERJ-2GEJ203X	Panasonic
107	6 each	101370-2201R	PS	RES,SMT 0402,220 OHM,5%,1/16 WATT MATL	R12, R17, R75, R76, R77, R78
		r402-25		RC0402JR-07220RL	Yageo
108	2 each	101370-2204R	PS	RES,SMT 0402,220K,5%,1/16 WATT MATL	R127, R137
		r402-25		ERJ-2GEJ224X	Panasonic
109	6 each	101370-3300R	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT MATL	R66, R67, R79, R80, R81, R82
		r402-25		RC0402JR-0733RL	Yageo
110	8 each	101370-4700R	PS	RES,SMT 0402,47 OHM,5%,1/16 WATT MATL	R39, R45, R46, R47, R48, R49, R53, R58
		r402-25		RC0402JR-0747RL	Yageo

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120	1 each	102145-1073R r402-25	PS	RES,SMT 0402,10.7K OHM,1%,1/16 WATT MATL ERJ-2RKF1072X	R125 Panasonic
121	1 each	102145-1003R r402-25	PS	RES,SMT 0402,10K,1%,1/16 WATT MATL RC0402FR-0710KL	R29 Yageo
122	1 each	102145-1694R r402-25	PS	RES,SMT 0402,169K,1%,1/16 WATT MATL ERJ-2RKF1693X	R126 Panasonic
125	1 each	100642-1605R r603-35x45	PS	RES,SMT 0603,1.6M OHM,1%,1/16 WATT MATL ERJ-3EKF1604V	R6 Panasonic
127	2 each	100687-4702R r603-35X45	PS	RES,SMT 0603,4.7K OHM,5%,1/16 WATT MATL RC0603JR-074K7L	R10, R104 Yageo
130	1 each	100642-1203R r603-35x45	PS	RES,SMT 0603,12K OHM,1%,1/16 WATT MATL RC0603FR-0712KL	R28 Yageo
131	1 each	100642-1804R r603-35x45	PS	RES,SMT 0603,180K OHM,1%,1/16 WATT MATL RC0603FR-07180KL	R4 Yageo
132	2 each	100642-1802R r603-35x45	PS	RES,SMT 0603,1.8K OHM,1%,1/16 WATT MATL ERJ-3EKF1801V	R70, R15 Panasonic
133	1 each	100642-3924R r603-35x45	PS	RES,SMT 0603,392K OHM,1%,1/16 WATT MATL RC0603FR-07392KL	R112 Yageo
134	1 each	100642-8062R r603-35x45	PS	RES,SMT 0603,8.06K OHM,1%,1/16 WATT MATL ERJ-3EKF8061V	R65 Panasonic
135	1 each	100642-3602R r603-35x45	PS	RES,SMT 0603,3.6K OHM,1%,1/16 WATT MATL RC0603FR-073K6L	R11 Yageo
140	3 each	100155-0001R r1206-40x70	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL RC1206JR-070RL	R1, R87, R88 Yageo
144	5 each	100552-0001R r805-35x60	PS	RES,SMT 0805,0 OHM,1/10 WATT MATL ERJ-6GEY0R00V	R118, R119, R122, R124, R2 Panasonic

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146	3 each	100552-0100R r805-35x60	PS	RES,SMT 0805,1 OHM,5%,1/10 WATT MATL	R20, R96, R97 Panasonic
150	2 each	103273-0001R sw-ksc4-GW	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,.25 MATL	SW1, SW2 C&K/Unimax, Inc.
151	1 each	101184-0004R sw4-30x50-tda	PS	SWITCH,DIP,SMT,HALF-PITCH,4 POS. MATL	SW3 C&K/Unimax, Inc.
160	2 each	103285-0010R fci-87409-110	PS	CONN,SMT,VERTICAL,HEADER,10X2,.225 HIGH MATL	P1, P3 Framatome Connectors International
161	2 each	102129-0001R sj1_3515	PS	CONN,SMT,STEREO JACK,3.5mm MATL	J3, J4 CUI, Inc.
162	1 each	103053-0001R molex-49225-201	PS	CONN,SMT,RECEPTACLE,MICROSD,REVERSE MATL	J6 Molex
163	1 each	101677-0001R SAMTEC-MUSB	PS	CONN,SMT,RECEPTACLE,5 POS,RIGHT MATL	J1 Samtec, Inc.
164	1 each	103290-0014R conn14-12x30-VLL	PS	CONN,SMT,RECEPTACLE,14 POS.,.5mm MATL	J5 Framatome Connectors International
165	1 each	103136-0001R molex_48037-001	PS	CONN,PLUG,4 POS,RIGHT ANGLE,USB TYPE A MATL	J2 Molex
170	1 each	100115-0003R JUMP1X3-6040	PL	HEADER,3 X 1,VERTICAL,PIN SUBA	JP3
175	1 each	103286-0001R	PS	DISPLAY,LCD,96 X 16 PIXELS,MONOCHROME MATL	XJ5 One Stop Displays
176	1 IN	103344-1000R	PS	TAPE,DOUBLE-SIDED,FOAM,1" WIDE,1/32" MATL	XXJ5 3M Electronic Products Division
180	1 each	C0402-NOPOP c402-25	PS	NP	C121

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185	19 each	R0402-NOPOP	PS	NP	R101, R105, R106, R107, R120, R141, R26, R31, R34, R40, R50, R51, R56, R62, R63, R72, R73, R83, R85
		r402-25			
190	1 each	R0603-NOPOP	PS	NP	R9
		r603-35X45			
192	2 each	R0805-NOPOP	PS	NP	R121, R123
		r805-35x60			
195	4 each	TP-NO-POP	PS	NP	TP1, TP3, TP4, TP6
		tp1-6040			
196	3 each	TP-20RD10-NO-POP	PS	NP	TP2, TP5, TP7
		tp-20RD10			
200	7 each	NO-POP	PS	NP	JP1, JP2, JP4, JP5, JP6, JP7, P2