

Parts List

514320-0001R
 ASSY,TMS320C5502 eZDSP

Type	PL	PCB Package	
Revision	C	ION Footprint	
Status	U	Package Qty	1
Date	9/22/2010	Bin Loc.	
By			SUBA

SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr P/N	Mfr Name
1	1 each	514321-0001R	DWG B	PWB,TMS320C5502 eZDSP CSTM	
2	1 each	514322-0001	DOC B	LOGIC,TMS320C5502 eZDSP SCH	
4	2 each	100837-0001R	PS	IC,SOIC,SERIAL EEPROM,3 WIRE MATL AT93C46DN-SH-T	U1, U5 Atmel Corporation
		so8-25x75			
5	1 each	101418-0002R	PS	IC,BGA201,DSP,5502 MATL TMS320VC5502ZZZ300	U9 Texas Instruments
		gzz201-pp8mm			
6	1 each	101072-0006R	PS	IC,TSOP86,SDRAM,64 MEG,6nS MATL MT48LC2M32B2P-6:G	U10 Micron Technology, Inc.
		TSOP86-MICRON-19_7			
10	1 each	101593-0001R	PS	IC,TSSOP14,QUAD FET BUS SWITCH,LOW MATL SN74CBTLV3125PWR	U21 Texas Instruments
		tssop14-14x70			
11	1 each	103163-0001R	PS	IC,TSOP24,16-BIT I2C I/O EXPANDER MATL TCA6416PW	U20 Texas Instruments
		pw24-14x70			
13	2 each	103735-0001R	PS	IC,SO5,STEP-DOWN MATL TPS62260DDCR	U12, U15 Texas Instruments
		ddc5			
14	1 each	102132-0001R	PS	IC,SO5,BOOST CONVERTER,250mA MATL TPS61041DBVR	U16 Texas Instruments
		dbv-20x60-5			

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15	1 each	103165-0001R so16-25x75-300	PS	IC,SO16,SERIAL FLASH MEMORY,QUAD I/O,64 MATL W25Q64BVSFIG	U3 Winbond Electronics Corp.
16	1 each	102728-0001R drl5-12x40	PS	IC,SMT,ESD PROTECTION MATL TPD2E001DRLR	U8 Texas Instruments
18	4 each	101670-0001R tssop16-14x70	PS	IC,QSOP16,LOW VOLTAGE,QUAD 2:1 MATL SN74CBTLV3257PWR	U6, U4, U17, U13 Texas Instruments
19	1 each	103172-0001R PQFP64PM	PS	IC,QFP64,DUAL USB UART MATL FT2232HL	U7 Future Technology Devices International Limited
20	1 each	103189-0001R lqfp48-12x60	PS	IC,QFP48,SINGLE PORT ETHERNET MAC MATL KSZ8851-16MLL	U2 Micrel Incorporated
21	1 each	103128-0001R QFN32_202SQ	PS	IC,QFN32,ULTRA LOW POWER STEREO AUDIO MATL TLV320AIC3204IRHBT	U19 Texas Instruments
22	1 each	102020-0009R DBV6-27X39-6	PS	IC,DBV6,SUPERVISORY CIRCUIT,.9V MATL TPS3808G09DBVR	U14 Texas Instruments
23	1 each	102948-0001R dbv6-27x39-6	PS	IC,DBV6,SINGLE D-TYPE FLIP-FLOP WITH MATL SN74LVC1G175DBV	U11 Texas Instruments
30	1 each	100983-0012R OSC4-71X79	PS	OSC,SMT,12 MHZ MATL CB3LV-3C-12M0000	U18 CTS Electronics Corporation
35	1 each	101590-0200R xtal2-75x94	PS	CRYSTAL,SMT,6mm,20 MHZ MATL ABM7-20.000MHZ-D2Y-T	Y2 Abracon

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36	1 each	101590-0250R xtal2-75x94	PS	CRYSTAL,SMT,6mm,25 MHZ MATL ABM7-25.000MHZ-D2Y-T	Y1 Abracon
40	1 each	101009-0001R sod123-36x48	PS	DIODE,S0D-123,SCHOTTKY POWER,1A MATL MBR0520LT1G	D1 ON Semiconductor
45	1 each	103286-0001R	PS	DISPLAY,LCD,96 X 16 PIXELS,MONOCHROME MATL OSD9616P0992-10	XJ4 One Stop Displays
50	1 each	103336-0001R led1206-59x59	PS	LED,SMT 1206,BLUE MATL 598-8291-107F	DS6 Dialight Corporation
51	3 each	100823-0001R led1206-59x59	PS	LED,SMT 1206,GREEN MATL LTST-C150GKT	DS1, DS2, DS3 LITEON
52	1 each	100823-0002R led1206-59x59	PS	LED,SMT 1206,RED MATL LTST-C150CKT	DS4 LITEON
53	1 each	101088-0001R led1206-59x59	PS	LED,SMT 1206,YELLOW MATL SML-LX1206YC-TR	DS5 Lumex, Inc.
60	2 each	102747-0220R ind_vlcf	PS	INDUCTOR,SMT,2.2uH,+/-30% MATL VLCF4020T-2R2N1R7	L2, L3 TDK Corporation
61	1 each	102495-0220R ind-vlf3010	PS	INDUCTOR,SMT,2.2uH,+/-20% MATL VLF3010AT-2R2M1R0	L4 TDK Corporation
65	1 each	101858-6001R l603-35x45	PS	FERRITE BEAD,SMT 0603,600 OHM MATL BLM18AG601SN1D	L7 Murata Electronics

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66	5 each	101728-1501R I805-35x60	PS	FERRITE BEAD,SMT 0805,150 OHMS MATL BLM21AG151SN1D	FB1, FB2, FB3, FB4, FB5 Murata Electronics
67	3 each	101228-2201R I805-35x60	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL BLM21PG221SN1D	L1, L5, L6 Murata Electronics
70	1 each	100395-0101R c3528-64x112	PS	CAP,TANT,SMT 1311,10uF,20V MATL TAJB106M020R	C9 AVX Corporation
71	2 each	101824-0102R c3528-64x112	PS	CAP,TANT,SMT 1311,100uF,6V MATL T491B107M006AT	C13, C14 Kemet Electronics Corporation
75	1 each	101583-1102R EIA1812	PS	CAP,CER,SMT 1812,1000pF,X7R,2KV MATL 1812GC102KAT1A	C1 AVX Corporation
80	2 each	101866-0220R C1206-40X70	PS	CAP,CER,SMT 1206,2.2uF,16V,+/-10%,X7R MATL EMK316B7225KL-T	C129, C130 Taiyo Yuden
81	13 each	101497-0101R C1206-40X70	PS	CAP,CER,SMT 1206,10uF,6.3V MATL JMK316B7106ML-T	C7, C8, C10, C11, C12, C17, C18, C26, C35, C40, C86, C94, C111 Taiyo Yuden
85	10 each	102590-0470R c603-35x45	PS	CAP,CER,SMT 0603,4.7uF,6.3V,X5R,+/-20% MATL GRM188R60J475ME19D	C20, C21, C29, C32, C54, C70, C93, C98, C101, C110 Murata Electronics
86	2 each	102963-0101R c603-35x45	PS	CAP,CER,SMT 0603,10uF,6.3V,X5R,+/-20% MATL GRM188R60J106ME	C103, C87 Murata Electronics
87	2 each	101007-1470R c603-35x45	PS	CAP,CER,SMT 0603,.47uF,6.3V,X5R,+/-10% MATL GRM188R60J474KA01D	C15, C16 Murata Electronics

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				Mfr P/N	Mfr Name
88	1 each	100994-1221R c603-35x45	PS	CAP,CER,SMT 0603,.022uF,16V,+/-10%,X7R MATL ECJ-1VB1C223K	C125 Panasonic
90	2 each	102366-1685R c402-25	PS	CAP,CER,SMT 0402,6.8pF,50V,+/-5pF,C0G MATL GRM1555C1H6R8DZ01D	C109, C108 Murata Electronics
91	2 each	102058-1222R c402-25	PS	CAP,CER,SMT 0402,2200pF,50V,+/-10%,X7R MATL C0402C222K5RACTU	C107, C95 Kemet Electronics Corporation
92	6 each	102962-0100R c402-25	PS	CAP,CER,SMT 0402,1uF,6.3V,+/-10%,X5R MATL GRM155R60J105KE19D	C92, C115, C118, C119, C121, C124 Murata Electronics
93	3 each	101782-1104R c402-25	PS	CAP,CER,SMT 0402,10pF,50V,+/-5%,NPO MATL C0402C100J5GAC	C4, C6, C112 Kemet Electronics Corporation
94	76 each	101587-1100R c402-25	PS	CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R MATL C0402C104K8PACTU	C2, C3, C5, C19, C22, C24, C25, C27, C30, C31, C33, C36, C46, C47, C50, C51, C57, C58, C62, C64, C65, C67, C69, C72, C75, C76, C77, C80, C84, C85, C88, C90, C91, C100, C104, C113, C114, C116, C117, C120, C123, C126, C127, C34, C41, C71, C99, C102, C105, C122, C128, C37, C43, C44, C45, C49, C56, C63, C66, C68, C73, C74, C38, C39, C52, C53, C59, C60, C78, C79, C81, C82, C83, C96, C97, C106 Kemet Electronics Corporation
95	6 each	101587-1101R c402-25	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL C0402C103K4RAC	C23, C28, C42, C48, C55, C61 Kemet Electronics Corporation

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96	1 each	102058-1102R c402-25	PS	CAP,CER,SMT 0402, .001uF,50V,+/-10%,X7R MATL C0402C102K5RAC	C89 Kemet Electronics Corporation
100	4 each	101069-3300R rpak16-10x25-2hv	PS	RES,NETWORK,SMT,16 PIN,8 RES,33 MATL EXB-2HV330JV	RN4, RN5, RN6, RN7 Panasonic
101	3 each	101327-2200R rpak8-10x25-28v	PS	RES,NETWORK,SMT,8 PIN,4 RES,22 MATL EXB-28V220JX	RN1, RN2, RN3 Panasonic
105	38 each	101370-0001R r402-25	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL RC0402JR-070RL	R1, R2, R4, R5, R6, R7, R8, R13, R14, R40, R43, R45, R48, R49, R73, R124, R126, R127, R129, R132, R136, R140, R141, R142, R143, R146, R147, R159, R160, R15, R16, R34, R35, R161, R79, R82, R87, R89 Yageo
106	1 each	101370-1001R r402-25	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL RC0402JR-07100RL	R145 Yageo
108	46 each	101370-1003R r402-25	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL RC0402JR-0710KL	R19, R20, R22, R23, R52, R56, R60, R67, R68, R69, R72, R74, R77, R81, R84, R85, R86, R88, R90, R93, R97, R98, R99, R100, R106, R108, R109, R110, R116, R134, R155, R171, R172, R63, R64, R114, R122, R123, R150, R151, R152, R153, R154, R156, R164, R165 Yageo
109	2 each	101370-1002R r402-25	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL RC0402JR-071KL	R162, R163 Yageo

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110	1 each	101370-2202R r402-25	PS	RES,SMT 0402,2.2K OHM,5%,1/16 WATT MATL RC0402JR-072K2L	R61 Yageo
111	8 each	101370-2201R r402-25	PS	RES,SMT 0402,220 OHM,5%,1/16 WATT MATL RC0402JR-07220RL	R50, R54, R59, R131, R167, R168, R169, R170 Yageo
112	2 each	101370-2002R r402-25	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL RC0402JR-072KL	R113, R111 Yageo
113	24 each	101370-3300R r402-25	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT MATL RC0402JR-0733RL	R58, R62, R66, R83, R21, R26, R27, R29, R30, R31, R32, R33, R41, R42, R91, R95, R117, R119, R121, R137, R173, R125, R115, R139 Yageo
114	2 each	101370-4702R r402-25	PS	RES,SMT 0402,4.7K OHM,5%,1/16 WATT MATL RC0402JR-074K7L	R149, R144 Yageo
115	8 each	101370-4700R r402-25	PS	RES,SMT 0402,47 OHM,5%,1/16 WATT MATL RC0402JR-0747RL	R92, R94, R103, R104, R105, R107, R101, R102 Yageo
120	1 each	102145-1003R r402-25	PS	RES,SMT 0402,10K,1%,1/16 WATT MATL RC0402FR-0710KL	R130 Yageo
121	4 each	102145-4990R r402-25	PS	RES,SMT 0402,49.9 OHM,1%,1/16 WATT MATL ERJ-2RKF49R9X	R9, R10, R11, R12 Panasonic
130	1 each	100687-0001R r603-35X45	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL ERJ-3GEY0R00V	R128 Panasonic

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131	1 each	100687-4702R r603-35X45	PS	RES,SMT 0603,4.7K OHM,5%,1/16 WATT MATL RC0603JR-074K7L	R44 Yageo
135	1 each	100642-1605R r603-35x45	PS	RES,SMT 0603,1.6M OHM,1%,1/16 WATT MATL ERJ-3EKF1604V	R39 Panasonic
137	1 each	100642-1203R r603-35x45	PS	RES,SMT 0603,12K OHM,1%,1/16 WATT MATL RC0603FR-0712KL	R80 Yageo
138	2 each	100642-1802R r603-35x45	PS	RES,SMT 0603,1.8K OHM,1%,1/16 WATT MATL ERJ-3EKF1801V	R118, R133 Panasonic
139	1 each	100642-1804R r603-35x45	PS	RES,SMT 0603,180K OHM,1%,1/16 WATT MATL RC0603FR-07180KL	R38 Yageo
140	1 each	100642-2002R r603-35x45	PS	RES,SMT 0603,2K OHM,1%,1/16 WATT MATL RC0603FR-072KL	R135 Yageo
141	1 each	100642-3012R r603-35x45	PS	RES,SMT 0603,3.01K OHM,1%,1/16 WATT MATL ERJ-3EKF3011V	R53 Panasonic
142	1 each	100642-3924R r603-35x45	PS	RES,SMT 0603,392K OHM,1%,1/16 WATT MATL RC0603FR-07392KL	R166 Yageo
143	1 each	100642-8062R r603-35x45	PS	RES,SMT 0603,8.06K OHM,1%,1/16 WATT MATL ERJ-3EKF8061V	R120 Panasonic
150	1 each	102598-0002R r1206-40x70	PS	RES,SMT 1206,.02 OHM,2%,1/2 WATT MATL RL1632T-R020-G	R24 Susumu Co., Ltd.

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155	3 each	100155-0001R r1206-40x70	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL RC1206JR-070RL	R28, R36, R138 Yageo
160	2 each	103273-0001R sw-ksc4-GW	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,.25 MATL KSC421G70SHLFS	SW1, SW2 C&K/Unimax, Inc.
170	2 each	102129-0001R sj1_3515	PS	CONN,SMT,STEREO JACK,3.5mm MATL SJ1-3515-SMT	J2, J3 CUI, Inc.
171	1 each	103601-0008R conn8-24x71-zf1	PS	CONN,SMT,RECEPTACLE,8 POS.,1mm MATL ZF1-08-01-T-WT-TR	P1 Samtec, Inc.
172	1 each	103290-0014R conn14-12x30-VLL	PS	CONN,SMT,RECEPTACLE,14 POS.,.5mm MATL 10051922-1410ELF	J4 Framatome Connectors International
173	1 each	103136-0001R molex_48037-001	PS	CONN,PLUG,4 POS,RIGHT ANGLE,USB TYPE A MATL 48037-0001	J1 Molex
174	1 each	102166-0001R conn8-rt-rj45-sh-halo	PS	CONN,JACK,RJ45,INTEGRATED MAGNETICS MATL HFJ11-2450E-L21RL	P2 HALO Electronics, Inc.
180	2 each	103285-0010R fci-87409-110	PS	CONN,SMT,VERTICAL,HEADER,10X2,.225 HIGH MATL 87409-110LF	P3, P5 Framatome Connectors International
185	1 IN	103344-1000R	PS	TAPE,DOUBLE-SIDED,FOAM,1" WIDE,1/32" MATL 4032-1"X72YD	XXJ4 3M Electronic Products Division
200	19 each	R0402-NOPOP r402-25	PS	NP	R3, R17, R18, R65, R75, R76, R78, R96, R157, R158, R37, R51, R55, R57, R70, R71, R47, R112, R25

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210	2 each	R0603-NOPOP r603-35X45	PS	NP	R46, R148
220	6 each	TP-NO-POP tp1-6040	PS	NP	TP6, TP1, TP2, TP3, TP4, TP5
230	1 each	NO-POP	PS	NP	P4