

Parts List

510880-0001M

ASSY,TMS320C5505 EVM WITH EMBEDDED SUBA

Type	PL	PCB Package	
Revision	D	ION Footprint	
Status	U	Package Qty	1
Date	11/18/2008	Bin Loc.	*
By		Product Class	SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
1	1 each	510881-0001R	DWG D	PWB,TMS320C5505 EVM WITH EMBEDDED CSTM	
2	1 each	510882-0001	DOC D	LOGIC,TMS320C5505 EVM WITH EMBEDDED SCH	
3	1 each	102853-0003R	PS	IC,BGA196,.65mm PITCH,DSP,VC5505, VERSION MATL zch196-p65mm Texas Instruments	U1 TMX320VC5505DZCH
4	1 each	102156-0001R	PS	IC,SO6,SINGLE-BIT DUAL-SUPPLY BUS MATL DCK-17X60-6 Texas Instruments	U2 SN74AVC1T45DCKR
5	1 each	102719-0001R	PS	IC,QFN32,STEREO AUDIO CODEC MATL QFN32_202SQ Texas Instruments	U14 TLV320AIC3254IRHBT
6	1 each	102715-0033R	PS	IC,DBV6,SUPERVISORY CIRCUIT,3.3V MATL DBV6-27X39-6 Texas Instruments	U15 TPS3106K33DBVR
7	1 each	101701-0001R	PS	IC,SSOP20,RS-232 TRANSCEIVER MATL ssop20-16x75 Maxim Integrated Products, Inc.	U11 MAX3222ECAP+
8	1 each	102235-0001R	PS	IC,SO8,SERIAL EEPROM,256K-BIT MATL so8-25x75-295 Replaced 101025-0001R. Backwards compatible. Catalyst Semiconductor, Inc.	U12 CAT24C256WI-G
9	1 each	101119-0001R	PS	IC,SO8W,SERIAL CMOS EEPROM,256K-BIT MATL so8-25x75-295 Catalyst Semiconductor, Inc.	U13 CAT25256XI
10	4 each	102637-0001R	PS	IC,SOT223-5,1.5A LOW DROPOUT LINEAR MATL dcq-25x85-5 Texas Instruments	U10, U3, U7, U9 TPS78601DCQ
11	1 each	102714-0001R	PS	IC,TSSOP16,BOOST CONVERTER MATL pwp16-14x70-pad Texas Instruments	U4 TPS61030PWP

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12	1 each	102635-0001R	PS	IC,BGA,STEP DOWN CONVERTER,800mA MATL	U5
		bga3x4-yzg		Texas Instruments	TPS62354YZG
13	1 each	102132-0001R	PS	IC,SO5,BOOST CONVERTER,250mA MATL	U6
		dbv-20x60-5		Texas Instruments	TPS61041DBVR
14	1 each	102636-0001R	PS	IC,SO5,REGULATOR,LOW MATL	U8
		sot23-20x60-5		Texas Instruments	TPS79901DDCR
19	2 each	102408-0001R	PS	IC,SO16,4-BIT DUAL SUPPLY BUS MATL	U16, U17
		tssop16-14x70		Texas Instruments	SN74AVC4T245PWR
20	1 each	102278-0006R	PS	IC,SO5,SINGLE INVERTER BUFFER/DRIVER MATL	U18
		DBV-20X60-5		Texas Instruments	SN74LVC1G06DBVR
21	1 each	102660-0001R	PS	IC,DBV6,LOW-POWER CONFIGURABLE MATL	U19
		dbv6-27x39-6		Texas Instruments	SN74AUP1G97DBVR
22	1 each	101057-0007R	PS	IC,SO5,SINGLE BUFFER/DRIVER MATL	U21
		dck-5		Texas Instruments	SN74LVC1G07DCKR
24	1 each	101590-0120R	PS	CRYSTAL,SMT,6mm,12 MHZ MATL	Y1
		xtal2-75x94		Citizen America Corporation	CS10-12.000MABJ-UT
25	1 each	102883-0032R	PS	CRYSTAL,SMT,32.768kHz MATL	Y2
		xtal4-23x47-ssp-t7		Seiko Instruments USA, Inc.	SSPT7F-12.5PF20PPM
26	2 each	101675-0001R	PS	TRANSISTOR,SOT23,MOSFET,HEXFET MATL	Q1, Q2
		SOT23-28x44		International Rectifier	IRLML6401TRPBF
30	1 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	D1
		led1206-59x59		LITEON	LTST-C150GKT
31	1 each	101808-0006R	PS	TRANSORB,SMC,UNI-DIRECTIONAL,1500W,6V MATL	D2
		SMC-80X128		Diodes, Inc.	SMCJ6.0A-13-F
32	1 each	100823-0002R	PS	LED,SMT 1206,RED MATL	D3
		led1206-59x59		LITEON	LTST-C150CKT

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33	1 each	101009-0001R	PS	DIODE,SOD-123,SCHOTTKY POWER,1A MATL sod123-36x48 ON Semiconductor	D4 MBR0520LT1G
34	1 each	102718-0036R	PS	DIODE,SOD123,ZENER,500mW,3.3V MATL sod123-36x48 Diodes, Inc.	D5 BZT52C3V6-7-F
37	1 each	100894-0005R	PS	DIODE,MELF,ZENER,6.2V,500mW MATL MELF1206-40X70 Diodes, Inc.	D9 ZMM5234B-7-F
41	6 each	101728-1501R	PS	FERRITE BEAD,SMT 0805,150 OHMS MATL I805-35x60 Murata Electronics	FB10, FB11, FB12, FB2, FB8, FB9 BLM21AG151SN1D
41	5 each	101228-2201R	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL I805-35x60 Murata Electronics	FB3, FB4, FB5, FB6, FB7 BLM21PG221SN1D
45	1 each	101289-0681R	PS	INDUCTOR,SMT,6.8uH,2.7A MATL ind-cr75 Sumida Electric Co., Ltd.	L1 CR75NP-6R8MC
46	2 each	102495-0220R	PS	INDUCTOR,SMT,2.2uH,+/-20% MATL ind-vlf3010 TDK Corporation	L2, L3 VLF3010AT-2R2M1R0
50	1 each	100872-0003R	PS	FUSE,SMT,OMNI-BLOK,3A MATL FUSEFOLDER-OMNI-BLOK Littlefuse	F1 154003T
52	2 each	103129-0001R	PS	MICROPHONE,CYLINDRICAL,.38 DIA. MATL Projects Unlimited	M1, M2 AOM-4544P-2-R
60	4 each	101008-0220R	PS	CAP,TANT,SMT 2816,220uF,10V MATL c7343-84x118 Kemet Electronics Corporation	C117, C118, C62, C68 T491X227K010AT
62	4 each	101064-0221R	PS	CAP,CER,SMT 1206,22uF,10V MATL C1206-40X70 Taiyo Yuden	C100, C103, C107, C70 LMK316F226ZL-T
63	2 each	100395-0101R	PS	CAP,TANT,SMT 1311,10uF,20V MATL c3528-64x112 AVX Corporation	C125, C73 TAJB106M020R

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64	26 each	101497-0101R	PS	CAP,CER,SMT 1206,10uF,6.3V MATL	C10, C104, C108, C114, C121, C122, C127, C24, C31, C4, C40, C45, C48, C61, C64, C66, C74, C75, C76, C78, C80, C81, C83, C84, C86, C87
		C1206-40X70	Taiyo Yuden		JMK316BJ106ML
65	3 each	101694-0470R	PS	CAP,CER,SMT 1206,4.7uF,16V,X5R MATL	C124, C126, C69
		C1206-40X70	Kemet Electronics Corporation		C1206C475K4PAC
66	1 each	100044-0330R	PS	CAP,TANT,SMT 1311,3.3uF,16V MATL	C8
		c3528-64x112	Nichicon Corporation		F971C335MBA
67	1 each	101007-0220R	PS	CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% MATL	C67
		c603-35x45	Panasonic		ECJ-1VB0J225K
70	10 each	101007-0100R	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL	C119, C120, C123, C130, C39, C51, C57, C71, C89, C90
		c603-35x45	Panasonic		ECJ-1VB0J105K
72	4 each	101007-1470R	PS	CAP,CER,SMT 0603,.47uF,6.3V,X5R,+/-10% MATL	C111, C112, C113, C116
		c603-35x45	Panasonic		ECJ-1VB0J474K
73	2 each	100994-1471R	PS	CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R MATL	C128, C129
		c603-35x45	Panasonic		ECJ-1VB1C473K
74	5 each	100994-1100R	PS	CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R MATL	C1, C131, C132, C23, C60
		c603-35x45	Kemet Electronics Corporation		C0603C104K4RAC
75	51 each	101587-1100R	PS	CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R MATL	C101, C102, C105, C106, C109, C11, C110, C115, C12, C13, C134, C135, C136, C137, C138, C14, C140, C15, C16, C17, C18, C19, C21, C22, C25, C26, C27, C28, C29, C30, C32, C43, C44, C46, C49, C5, C52, C55, C56, C58, C59, C65, C88, C91, C92, C93, C94, C95, C96, C97, C99
		c402-25	Kemet Electronics Corporation		C0402C104K8PAC

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76	8 each	101587-1101R c402-25	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL Kemet Electronics Corporation	C20, C35, C36, C37, C38, C42, C53, C9 C0402C103K4RAC
77	4 each	102058-1102R c402-25	PS	CAP,CER,SMT 0402,.001uF,50V,+/-10%,X7R MATL Kemet Electronics Corporation	C33, C41, C47, C50 C0402C102K5RAC
78	5 each	102962-0100R c402-25	PS	CAP,CER,SMT 0402,1uF,6.3V,+/-10%,X5R MATL Murata Electronics	C139, C141, C142, C143, C144 GRM155R60J105KE19D
79	5 each	101002-1334R c603-35x45	PS	CAP,CER,SMT 0603,33pF,50V,+/-5%,NPO MATL Panasonic	C2, C3, C6, C7, C82 ECJ-1VC1H330J
81	4 each	101002-1154R c603-35x45	PS	CAP,CER,SMT 0603,15pF,50V,+/-5%,NPO MATL Panasonic	C133, C63, C77, C85 ECJ-1VC1H150J
84	1 each	101782-1104R c402-25	PS	CAP,CER,SMT 0402,10pF,50V,+/-5%,NPO MATL Kemet Electronics Corporation	C72 C0402C100J5GAC
85	1 each	101782-1565R c402-25	PS	CAP,CER,SMT 0402,5.6pF,50V,+/-0.25pF,NPO MATL Murata Electronics	C79 GJM1555C1H5R6CB01D
90	1 each	101714-5003R pot3386f-5638	PS	POT,50K,9mm SQ.,1/4 WATT,SINGLE TURN MATL Bourns	R46 3386F-1-503LF
91	4 each	101714-2003R pot3386f-5638	PS	POT,20K,9mm SQ.,1/4 WATT,SINGLE TURN MATL Bourns	R43, R59, R64, R68 3386F-1-203LF
92	1 each	101714-1003R pot3386f-5638	PS	POT,10K,9mm SQ.,1/4 WATT,SINGLE TURN MATL Bourns	R67 3386F-1-103LF
98	1 each	100155-0001R r1206-40x70	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL Yageo	R37 RC1206JR-070RL
99	1 each	100232-4990R r1206-40x70	PS	RES,SMT 1206,49.9 OHM,1%,1/8 WATT MATL Panasonic	R127 ERJ-8ENF49R9V

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100	58 each	100687-0001R	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL	R100, R101, R102, R103, R105, R11, R115, R119, R12, R120, R121, R122, R123, R124, R125, R128, R13, R132, R134, R141, R142, R143, R144, R145, R146, R147, R151, R152, R153, R162, R178, R179, R18, R182, R183, R187, R19, R190, R27, R30, R31, R32, R33, R34, R35, R49, R52, R56, R57, R83, R86, R87, R9, R95, R96, R97, R98, R99
		r603-35X45		Panasonic	ERJ-3GEY0R00V
101	1 each	100687-3300R	PS	RES,SMT 0603,33 OHM,5%,1/16 WATT MATL	R22
		r603-35X45		Yageo	RC0603JR-0733RL
102	1 each	100687-4701R	PS	RES,SMT 0603,470 OHM,5%,1/16 WATT MATL	R42
		r603-35X45		Panasonic	ERJ-3GEYJ471V
103	2 each	100687-4702R	PS	RES,SMT 0603,4.7K OHM,5%,1/16 WATT MATL	R131, R155
		r603-35X45		Yageo	RC0603JR-074K7L
104	1 each	100687-4703R	PS	RES,SMT 0603,47K OHM,5%,1/16 WATT MATL	R20
		r603-35X45		Yageo	RC0603JR-0747KL
105	3 each	100642-1001R	PS	RES,SMT 0603,100 OHM,1%,1/16 WATT MATL	R148, R149, R165
		r603-35x45		Yageo	RC0603FR-07100RL
108	2 each	100642-1002R	PS	RES,SMT 0603,1K OHM,1%,1/16 WATT MATL	R167, R5
		r603-35x45		Panasonic	ERJ-3EKF1001V
111	2 each	100642-2202R	PS	RES,SMT 0603,2.2K OHM,1%,1/16 WATT MATL	R116, R117
		r603-35x45		Yageo	9C06031A2201FKHFT
112	1 each	100642-4752R	PS	RES,SMT 0603,4.75K OHM,1%,1/16 WATT MATL	R110
		r603-35x45		Panasonic	ERJ-3EKF4751V
113	1 each	100642-5362R	PS	RES,SMT 0603,5.36K OHM,1%,1/16 WATT MATL	R107
		r603-35x45		Panasonic	ERJ-3EKF5361V

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114	1 each	100642-5492R r603-35x45	PS	RES,SMT 0603,5.49K OHM,1%,1/16 WATT MATL Panasonic	R108 ERJ-3EKF5491V
115	1 each	100642-6342R r603-35x45	PS	RES,SMT 0603,6.34K OHM,1%,1/16 WATT MATL Panasonic	R109 ERJ-3EKF6341V
116	1 each	100642-6492R r603-35x45	PS	RES,SMT 0603,6.49K OHM,1%,1/16 WATT MATL Panasonic	R111 ERJ-3EKF6491V
117	1 each	100642-9102R r603-35x45	PS	RES,SMT 0603,9.1K OHM,1%,1/16 WATT MATL Yageo	R70 RC0603FR-079K1L
118	27 each	100642-1003R r603-35x45	PS	RES,SMT 0603,10K OHM,1%,1/16 WATT MATL Panasonic	R1, R14, R150, R169, R17, R2, R21, R23, R26, R54, R58, R60, R69, R7, R75, R76, R78, R79, R8, R80, R88, R89, R90, R91, R92, R93, R94 ERJ-3EKF1002V
119	1 each	100642-1503R r603-35x45	PS	RES,SMT 0603,15K OHM,1%,1/16 WATT MATL Panasonic	R61 ERJ-3EKF1502V
120	1 each	100642-1743R r603-35x45	PS	RES,SMT 0603,17.4K OHM,1%,1/16 WATT MATL Panasonic	R112 ERJ-3EKF1742V
121	3 each	100642-2003R r603-35x45	PS	RES,SMT 0603,20K OHM,1%,1/16 WATT MATL Panasonic	R104, R63, R73 ERJ-3EKF2002V
122	1 each	100642-2263R r603-35x45	PS	RES,SMT 0603,22.6K OHM,1%,1/16 WATT MATL Panasonic	R113 ERJ-3EKF2262V
123	1 each	100642-2493R r603-35x45	PS	RES,SMT 0603,24.9K OHM,1%,1/16 WATT MATL Panasonic	R106 ERJ-3EKF2492V
124	4 each	100642-3013R r603-35x45	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL Panasonic	R45, R65, R71, R74 ERJ-3EKF3012V
125	2 each	100642-3603R r603-35x45	PS	RES,SMT 0603,36K OHM,1%,1/16 WATT MATL Yageo	R62, R72 RC0603FR-0736KL
126	1 each	100642-3923R r603-35x45	PS	RES,SMT 0603,39.2K OHM,1%,1/16 WATT MATL Panasonic	R44 ERJ-3EKF3922V

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127	1 each	100642-6043R r603-35x45	PS	RES,SMT 0603,60.4K OHM,1%,1/16 WATT MATL Panasonic	R114 ERJ-3EKF6042V
128	12 each	100642-1004R r603-35x45	PS	RES,SMT 0603,100K OHM,1%,1/16 WATT MATL Yageo	R15, R173, R28, R29, R3, R38, R39, R4, R40, R41, R6, R82 RC0603FR-07100KL
129	2 each	100642-1804R r603-35x45	PS	RES,SMT 0603,180K OHM,1%,1/16 WATT MATL Yageo	R51, R55 RC0603FR-07180KL
130	1 each	100642-1824R r603-35x45	PS	RES,SMT 0603,182K OHM,1%,1/16 WATT MATL Panasonic	R48 ERJ-3EKF1823V
131	1 each	100642-2214R r603-35x45	PS	RES,SMT 0603,221K OHM,1%,1/16 WATT MATL Panasonic	R66 ERJ-3EKF2213V
132	1 each	100642-4754R r603-35x45	PS	RES,SMT 0603,475K OHM,1%,1/16 WATT MATL Yageo	R47 RC0603FR-07475KL
133	1 each	100642-6044R r603-35x45	PS	RES,SMT 0603,604K OHM,1%,1/16 WATT MATL Panasonic	R136 ERJ-3EKF6043V
134	1 each	100642-9104R r603-35x45	PS	RES,SMT 0603,910K OHM,1%,1/16 WATT MATL Panasonic	R130 ERJ-3EKF9103V
135	1 each	100642-9534R r603-35x45	PS	RES,SMT 0603,953K OHM,1%,1/16 WATT MATL Panasonic	R135 ERJ-3EKF9533V
136	1 each	100642-1605R r603-35x45	PS	RES,SMT 0603,1.6M OHM,1%,1/16 WATT MATL Panasonic	R53 ERJ-3EKF1604V
137	2 each	100642-1005R r603-35x45	PS	RES,SMT 0603,1M OHM,1%,1/16 WATT MATL Panasonic	R156, R50 ERJ-3EKF1004V
139	4 each	101370-0001R r402-25	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL Yageo	R163, R172, R191, R194 RC0402JR-070RL
140	7 each	101370-3300R r402-25	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT MATL Yageo	R158, R159, R160, R161, R164, R168, R170 RC0402JR-0733RL

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141	4 each	101370-1003R r402-25	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL Yageo	R157, R166, R84, R85 RC0402JR-0710KL
147	1 each	100186-0014R skt14-5638	PS	SOCKET,DIP,MACHINE,14 PIN MATL Aries Electronics, Inc.	OSC1 14-3518-10
149	2 each	101023-0001R SW4-7914G	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY MATL Bourns	SW1, SW2 7914G-1-000E
150	1 each	101184-0004R sw4-30x50-tda	PS	SWITCH,DIP,SMT,HALF-PITCH,4 POS. MATL C&K/Unimax, Inc.	SW3 TDA04H0SB1R
155	1 each	102713-0001R sw6-dpdt1201-10073	PS	SWITCH,SLIDE,RT ANGLE,DPDT,ON-NONE-ON MATL C&K/Unimax, Inc.	SW4 1201M2S3AQE2
165	10 each	101240-0001R sw-KT11J-125x63	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,.25 MATL C&K/Unimax, Inc.	SW10, SW11, SW12, SW13, SW14, SW15, SW6, SW7, SW8, SW9 KT11P2JM34 LFS
170	4 each	102129-0001R sj1_3515	PS	CONN,SMT,STEREO JACK,3.5mm MATL CUI, Inc.	J14, J15, J16, J18 SJ1-3515-SMT
175	1 each	100558-0009R CONN9D-6547-RT-M	PS	CONN,DB9,MALE,RIGHT ANGLE,.318 MATL PI Manufacturing Corp.	J13 2100-009P
180	1 each	101017-0001R usb-typeb-rt	PS	CONN,RECEPTACLE,4 POS,RIGHT MATL Tyco Electronics	J3 292304-1
185	1 each	101238-0001R PWR3-RASM712	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm MATL Switchcraft	J7 RASM712TRP15X
190	1 each	102716-0001R batthldr-2468	PS	BATTERY HOLDER,2 AAA MATL Keystone Electronics Corp.	J8 2468
195	1 each	102773-0001R conn_fps009-2305-0	PS	CONN,SMT,RECEPTACLE,SECURE MATL Yamaichi Electronics, Inc.	J9 FPS009-2305-0
200	1 each	102720-0060R conn-fx11La-60p-6-sv	PS	CONN,SMT,HEADER,W/ GROUND PLATE,30 X MATL Hirose Electric, Inc.	J5 FX11LA-60P/6-SV(71)

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		ION Footprint	Mfr Name		Mfr P/N
201	1 each	102721-0060R conn-fx11La-60s-6-sv	PS	CONN,SMT,RECEPTACLE,W/ GROUND PLATE,30 MATL Hirose Electric, Inc.	J6 FX11LA-60S/6-SV(71)
203	1 each	102748-0030R fh34-30-sh-mir	PS	CONN,SMT,RECEPTACLE,30 POS.,.5mm MATL Hirose Electric, Inc.	J19 FH34S-30S-0.5SH(10)
204	6 each	100162-0001R tp1-10050	PS	TEST POINT,BLUE MATL Mouser Electronics	TP10, TP11, TP23, TP24, TP26, TP9 151-205-RC
205	2 each	100115-0002R JUMP1X2-6040	PL	HEADER,2 X 1,VERTICAL,PIN SUBA	JP17, JP22
206	5 each	100115-0003R JUMP1X3-6040	PL	HEADER,3 X 1,VERTICAL,PIN SUBA	J2, JP15, JP23, JP25, JP5
210	1 each	100115-0004R JUMP1X4-6040	PL	HEADER,4 X 1,VERTICAL,PIN SUBA	J17
214	1 each	100116-0005R JUMP2X5-6040	PL	HEADER,5 X 2,VERTICAL,PIN SUBA Oupiin	J21 2011-2X05G00SB/SN
215	1 each	100116-0010R JUMP2X10-6040	PL	HEADER,10 X 2,VERTICAL,PIN SUBA	J20
216	1 each	100116-0011R JUMP2X11-6040	PL	HEADER,11 X 2,VERTICAL,PIN SUBA	J22
220	1 each	100116-0007R JUMP2X7-6040	PL	HEADER,7 X 2,VERTICAL,PIN SUBA Oupiin	J4 2011-2X07G00SB/SN
226	1 each	102723-0001 One Stop Displays	PS	DISPLAY,LCD,128 X 128 PIXELS,COLOR MATL One Stop Displays	XJ19 OSD-2828OGDEDF01
227	1 each	100316-0625R	PS	SPACER,HEX,ALUMINUM,4-40,.25 O.D. X .625 MATL Keystone Electronics Corp.	1808
228	1 each	100329-0250R	PS	SCREW,PHILLIPS,PAN,SS,4-40 X .250 MATL Above Board Electronics,Inc.	0440X0250PNPHSSPS

Parts List

510880-0001M

ASSY,TMS320C5505 EVM WITH EMBEDDED EMULATION FOR MANUAL
SUBA

Rev D

Printed 6/26/2009

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint	Mfr Name		Mfr P/N
229	1 each	101048-0004R	PS	BUMPER,#4,RECESSED,.5 DIA.,.25H MATL Keystone Electronics Corp.	720
230	1 each	C1206-NOPOP	PS	NP	C98
239	3 each	R0402-NOPOP r402-25	PS	NP	R171, R192, R193
240	24 each	R0603-NOPOP r603-35X45	PS	NP	R10, R118, R126, R129, R133, R137, R138, R139, R140, R154, R16, R177, R180, R181, R184, R185, R186, R188, R189, R24, R25, R36, R77, R81
241	25 each	NO-POP	PS	NP	C54, D7, JP1, JP10, JP11, JP12, JP13, JP14, JP16, JP18, JP19, JP2, JP20, JP21, JP24, JP26, JP27, JP28, JP29, JP3, JP4, JP6, JP7, JP9, SW5
245	21 each	TP-NO-POP tp1-6040	PS	NP	TP1, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP2, TP20, TP21, TP22, TP25, TP27, TP3, TP4, TP5, TP6, TP7, TP8