

Parts List

508030-M001

ASSY,MANUAL TMS320C6416T DSK,1 GHZ

Type	PL	PCB Package
Revision		Shts
Status	U	Tool
Date		Bin Loc.
By		Cost

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
Vendor		Vendor P/N		Mfr Name	Mfr P/N
1	1 each	508031-0001	DWG A	PWB,TMS320C6416T DSK	
2	1 each	508032-0001	DOC A	LOGIC,TMS320C6416T DSK	
7	1 each	102034-0001	PS	IC,BGA532,.8mm PITCH,DSP,C6416T	U10
				TEXAS INSTRUMENTS	TMX320C6416TGLZ1
8	1 each	101294-0001	PS	IC,TQFP100,FPGA,2500 GATES,MAX3000A	U12
				ALTERA CORPORATION	EPM3128ATC100-10
9	2 each	101072-0006	PS	IC,TSOP86,SDRAM,64 MEG,6nS	U9 U13
				MICRON	MT48LC2M32B2TG-6
10	1 each	101241-0070	PS	IC,TSOP48,FLASH,70nS	U15
				ADVANCED MICRO DEVICES, INC.	AM29LV400BT-70EC
11	4 each	100964-0245	PS	IC,TSSOP48,3.3V,16-BIT TRANSCEIVER	U5 U6 U16 U17
				TEXAS INSTRUMENTS	SN74LVTH16245ADGGR
12	2 each	100866-0001	PS	IC,TSSOP24,10-BIT FET BUS SWITCH,74CBTS3384	U20 U21
				TEXAS INSTRUMENTS	SN74CBTS3384PW
13	1 each	101031-0001	PS	IC,TSOP28,STEREO AUDIO CODEC	U307
				TEXAS INSTRUMENTS	TLV320AIC23PW
14	2 each	101338-0001	PS	IC,TSSOP20,BUCK PWM CONVERTER,3A,.9V-3.3V	U2 U7
				TEXAS INSTRUMENTS	TPS54310PWP
15	1 each	101332-0001	PS	IC,PSOP20,DUAL-OUTPUT LOW-DROPOUT	U210
				TEXAS INSTRUMENTS	TPS70202PWP

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16	5 each	100714-0001	PS	IC, QSOP16, QUAD 2:1	U1 U3 U4 U19 U25
				TEXAS INSTRUMENTS	SN74CBT3257PWR
17	4 each	101057-0032	PS	IC, SO5, SINGLE 2-INPUT POSITIVE-OR GATE	U11 U23 U24 U26
				TEXAS INSTRUMENTS	SN74LVC1G32DCKR
18	3 each	101027-0001	PS	IC, SO5, SINGLE SCHMITT-TRIGGER INVERTER	U8 U18 U22
				TEXAS INSTRUMENTS	SN74AHC1G14DCKR
19	2 each	101438-0001	PS	IC, SO8, PLL CLOCK MULTIPLIER	U500 U400
				INTEGRATED CIRCUIT SYSTEMS, INC.	ICS512M
21	1 each	100983-0024	PS	OSC, SMT, 24 MHZ	U207
		DIGIKEY			CTS ELECTRONICS CORPORATION
					CB3LV-3C-24.0000-T
22	1 each	100983-0008	PS	OSC, SMT, 8 MHZ	U28
		DIGIKEY			CTS ELECTRONICS CORPORATION
					CB3LV-3C-8.0000-T
23	1 each	100983-0025	PS	OSC, SMT, 25 MHZ	U27
		DIGIKEY			CTS ELECTRONICS CORPORATION
					CB3LV-3C-25.0000-T
25	1 each	101344-1101	PS	FILTER, SMT, .01uF, EMI	E1
				PANASONIC	EXCCET103U
26	2 each	101348-0270	PS	INDUCTOR, SMT, 2.7uH	L1 L3
				PANASONIC	ELL-6RH2R7M
27	2 each	101126-0001	PS	FERRITE BEAD, SMT 1806, 75 OHMS	L2 L4
				Murata Electronics	BLM41P750S
28	12 each	101228-2201	PS	FERRITE BEAD, SMT 0805, 220 OHMS	L5 L6 L7 L301 L302 L303 L304 L305 L306 L307 L308 L309
				Murata Electronics	BLM21PG221SN1D
32	5 each	101328-0001	PS	DIODE, SMT, ULTRAFAST RECTIFIER, 1A, 50-600V	D12 D13 D14 D15 D16
				ON Semiconductor	MURS120T3

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33	3 each	100695-0002	PS	DIODE,SOT23,REFERENCE,4.1V	D1 D2 D5
				NATIONAL SEMICONDUCTOR	LM4040CIM3X-4.1
34	1 each	100185-0001	PS	DIODE,SOT23,SWITCHING	D11
				DIODES INC.	BAS16-7
35	6 each	100823-0001	PS	LED,SMT 1206,GREEN	D3 D4 D7 D8 D9 D10
				LITEON	LTST-C150GKT
36	1 each	101088-0001	PS	LED,SMT 1206,YELLOW	D6
				Lumex, Inc.	SML-LX1206YC-TR
38	2 each	101349-0102	PS	CAP,CER,SMT 2220,100uF,X5R,6.3V	CT2 CT4
				Murata Electronics	GRM55FR60J107KA01
39	2 each	101347-0102	PS	CAP,POSCAP,SMT 2816,100uF	CT1 CT15
				SANYO Electronic Components Co. Ltd.	6TPC100M
40	2 each	101008-0220	PS	CAP,TANT,SMT 2816,220uF,10V	C323 C324
				KEMET ELECTRONICS CORPORATION	T491X227K010AS
41	1 each	100995-0471	PS	CAP,TANT,SMT 2816,47uF,10V	CT16
				PANASONIC	ECS-T1AD476R
42	15 each	101003-0101	PS	CAP,TANT,SMT 1206,10uF,6.3V	C319 C325 C331 C343 C346 C347 CT5 CT6 CT7 CT8 CT10 CT11 CT12 CT13 CT14
				PANASONIC	ECS-T0JY106R
43	3 each	101062-0101	PS	CAP,CER,SMT 1210,10uF,16V	CT3 CT9 CT17
				TAIYO YUDEN	EMK325F106ZF-T
44	1 each	100993-1822	PS	CAP,CER,SMT 0603,8200pF,50V,+/-10%,X7R	C36
				PANASONIC	ECU-V1H822KBV
45	1 each	100993-1563	PS	CAP,CER,SMT 0603,560pF,50V,+/-10%,X7R	C2
				PANASONIC	ECU-V1H561KBV
46	1 each	101002-1474	PS	CAP,CER,SMT 0603,47pF,50V,+/-5%,NPO	C321
		DIGIKEY		PANASONIC	ECU-V1H470JCV

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Vendor				Vendor P/N	Mfr Name	Mfr P/N	
47	1	100993-1473	PS	CAP,CER,SMT 0603,470pF,50V,+/-10%,X7R	C12		
	each						
				PANASONIC	ECU-V1H471KBV		
48	2	100993-1332	PS	CAP,CER,SMT 0603,3300pF,50V,+/-10%,X7R	C5 C37		
	each						
				PANASONIC	ECU-V1H332KBV		
49	1	101002-1224	PS	CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO	C126		
	each						
		DIGIKEY		PANASONIC	ECU-V1H220JCV		
50	1	101007-0100	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10%	C315		
	each						
				PANASONIC	ECJ-1VB0J105K		
51	4	101007-1470	PS	CAP,CER,SMT 0603,.47uF,6.3V,X5R,+/-10%	C333 C334 C337 C338		
	each						
				PANASONIC	ECJ-1VB0J474K		
52	118	100994-1100	PS	CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R	C6 C7 C9 C13 C14 C15 C16 C17 C18 C19 C20 C21 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 C101 C102 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C114 C115 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C128 C129 C322 C326 C332 C341 C342		
	each						
				KEMET ELECTRONICS CORPORATION	C0603C104K4RAC		
53	2	100994-1471	PS	CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R	C3 C10		
	each						
				PANASONIC	ECJ-1VB1C473K		
54	2	100994-1391	PS	CAP,CER,SMT 0603,.039uF,16V,+/-10%,X7R	C8 C66		
	each						
				PANASONIC	ECJ-1VB1C393K		
55	3	100993-1101	PS	CAP,CER,SMT 0603,.01uF,50V,+/-10%,X7R	C4 C113 C402		
	each						
				AVX CORPORATION	06035C103KAT2A		

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56	2 each	100993-1102	PS	CAP,CER,SMT 0603,.001uF,50V,+/-10%,X7R	C1 C11
		AVX CORPORATION		06035C102KAT2A	
58	1 each	101069-1003	PS	RES,NETWORK,SMT,16 PIN,8 RES,10K	RN19
		PANASONIC		EXB-2HV103JV	
59	16 each	101069-3300	PS	RES,NETWORK,SMT,16 PIN,8 RES,33 OHM,5%,1/16	RN3 RN4 RN5 RN6 RN7 RN8 RN9 RN10 RN11 RN12 RN13 RN14 RN15 RN16 RN17 RN18
		PANASONIC		EXB-2HV330JV	
60	2 each	101069-3900	PS	RES,NETWORK,SMT,16 PIN,8 RES,39 OHM,5%,1/16	RN1 RN2
		PANASONIC		EXB-2HV390JV	
61	2 each	101327-1003	PS	RES,NETWORK,SMT,8 PIN,4 RES,10K OHM,5%,1/16	RN314 RN315
		PANASONIC		EXB-28V103JX	
62	1 each	101327-3300	PS	RES,NETWORK,SMT,8 PIN,4 RES,33 OHM,5%,1/16	RN316
		PANASONIC		EXB-28V330JX	
65	6 each	100687-0001	PS	RES,SMT 0603,0 OHM,1/16 WATT	R2 R312 R327 R331 R338 R343
HS SOLUTIONS, INC.		KOA SPEER ELECTRONICS, INC.		RM73Z1J000	
67	4 each	100642-1652	PS	RES,SMT 0603,1.65K OHM,1%,1/16 WATT	R1 R3 R5 R93
		PANASONIC		ERJ-3EKF1651V	
68	7 each	100642-1001	PS	RES,SMT 0603,100 OHM,1%,1/16 WATT	R95 R100 R101 R120 R121 R339 R340
		ROHM CORPORATION		MCR03F1000EZP	
70	2 each	100642-1003	PS	RES,SMT 0603,10K OHM,1%,1/16 WATT	R7 R21
		PANASONIC		ERJ-3EKF1002V	
71	1 each	100642-2803	PS	RES,SMT 0603,28K OHM,1%,1/16 WATT	R6
		PANASONIC		ERJ-3EKF2802V	
72	1 each	100642-2002	PS	RES,SMT 0603,2K OHM,1%,1/16 WATT	R11
		ROHM CORPORATION		MCR03F2001EZP	
73	1 each	100642-3742	PS	RES,SMT 0603,3.74K OHM,1%,1/16 WATT	R10
		PANASONIC		ERJ-3EKF3741V	

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Vendor		Vendor P/N		Mfr Name	Mfr P/N
74	1 each	100642-3013	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT	R94
				PANASONIC	ERJ-3EKF3012V
75	2 each	100642-7153	PS	RES,SMT 0603,71.5K OHM,1%,1/16 WATT	R9 R31
				PANASONIC	ERJ-3EKF7152V
81	17 each	100687-1003	PS	RES,SMT 0603,10K OHM,5%,1/16 WATT	R13 R19 R23 R35 R38 R40 R41 R56 R57 R65 R84 R97 R98 R102 R103 R104 R105
		HS SOLUTIONS, INC.		KOA SPEER ELECTRONICS, INC.	RM73B1JT103J
82	6 each	100687-1501	PS	RES,SMT 0603,150 OHM,5%,1/16 WATT	R78 R79 R80 R81 R82 R89
				PANASONIC	ERJ-3GEYJ151V
83	20 each	100687-1002	PS	RES,SMT 0603,1K OHM,5%,1/16 WATT	R14 R22 R24 R29 R30 R33 R37 R39 R53 R55 R72 R75 R85 R86 R87 R88 R91 R403 R503 R505
		HS SOLUTIONS, INC.		KOA SPEER ELECTRONICS, INC.	RM73B1JT102J
84	1 each	100687-0220	PS	RES,SMT 0603,2.2 OHM,5%,1/16 WATT	R344
				PANASONIC	ERJ-3GEYJ2R2V
88	25 each	100687-3300	PS	RES,SMT 0603,33 OHM,5%,1/16 WATT	R15 R25 R26 R32 R42 R43 R44 R45 R46 R47 R48 R49 R50 R58 R59 R60 R61 R62 R63 R64 R83 R92 R96 R345 JP402AB
		HS SOLUTIONS, INC.		KOA SPEER ELECTRONICS, INC.	RM73B1JT33RJ
89	4 each	100687-3601	PS	RES,SMT 0603,360 OHM,5%,1/16 WATT	R12 R18 R76 R77
				PANASONIC	ERJ-3GEYJ361V
90	6 each	100687-4702	PS	RES,SMT 0603,4.7K OHM,5%,1/16 WATT	R16 R326 R334 R335 R336 R337
		HS SOLUTIONS, INC.		KOA SPEER ELECTRONICS, INC.	RM73B1JT472J
91	6 each	100687-4703	PS	RES,SMT 0603,47K OHM,5%,1/16 WATT	R67 R90 R332 R333 R341 R342
		HS SOLUTIONS, INC.		KOA SPEER ELECTRONICS, INC.	RM73B1JT473J
96	2 each	100642-1071	PS	RES,SMT 0603,107 OHM,1%,1/16 WATT	R8 R20
				PANASONIC	ERJ-3EKF1070V
101	1 each	100552-1801	PS	RES,SMT 0805,180 OHM,5%,1/10 WATT	R52
				PANASONIC	ERJ-6GEYJ181V

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102	3 each	100830-0025	PS	RES,SMT 2512,.025 OHM,1%,1W	R4 R66 R99
				Vishay Intertechnology	WSL-2512-.025
105	1 each	101215-0001	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm	SW2
				PANASONIC	EVQP1B05M
106	1 each	100584-0008	PS	SWITCH,DIP,SMT,8 POS	SW3
				DIGIKEY	CTS ELECTRONICS CORPORATION 219-8LPST
107	1 each	101307-0004	PS	SWITCH,SMT DIP,SIDE,4 POS	SW1
				CTS ELECTRONICS CORPORATION	193-4MSR
110	3 each	100562-0040	PS	CONN,SMT,VERTICAL,RECEPTACLE,40X2	J1 J3 J4
				DIGIKEY	Tyco Electronics 104652-8
111	1 each	101238-0001	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm	J5
				SWITCHCRAFT	RASM712TR15
112	1 each	101345-0015	PS	CONN,SMT,RECEPTACLE,4X15	J7
				SAMTEC, INC.	SOLC-115-02-S-Q-A
114	4 each	101012-0001	PS	CONN,SMT,JACK,STEREO,4 POS.,3.6mm	J301 J302 J303 J304
				KYCON CABLE & CONNECTOR, INC.	ST-3500-4N
116	1 each	100116-0007	PL	HEADER,7 X 2,VERTICAL,PIN	J8
				SPECTRUM DIGITAL INC	SPECTRUM DIGITAL INC.
117	1 each	100116-0005	PL	HEADER,5 X 2,VERTICAL,PIN	JP3
				SPECTRUM DIGITAL INC	SPECTRUM DIGITAL INC.
118	6 each	100606-0001	PS	BUMPER,CYLINDRICAL,SELF-STICK,BLACK,.5	
				DIGIKEY	3M ELECTRONIC PRODUCTS DIV. SJ-5012(BLACK)

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122	53 each	NO-POP	PS		JP1 JP2 JP4 C22 C127 C316 C317 C318 C320 C327 C328 C329 C330 C335 C336 C339 C340 C344 C345 R17 R28 R51 R69 R71 R73 R74 R328 R346 R347 J6 TP5 TP32 TP302 JP400 JP401 J2 R34 R54 JP500 JP501 JP503 R504 R27 R36 R68 Y1 Y500 C400 C401 R70 C500 C501 JP502