

# Parts List

**509980-0001**  
 ASSY,THS8200 EVM

Type	PL	PCB Package
Revision	A	ION Footprint
Status	U	Package Qty
Date		Bin Loc.
By		Cost

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Mfr Name	Mfr P/N
1	1 each	509981-0001	DWG A	PWB,THS8200 EVM		
2	1 each	509982-0001	DOC A	LOGIC,THS8200 EVM		
3	1 each	102582-0001R	PS	IC,PQFP80,TRIPLE 10 BIT VIDEO DAC	U1	
		PQFP80-PFP		TEXAS INSTRUMENTS	THS8200PFP	
4	1 each	101722-0033R	PS	IC,DBV5,LINER REGULATOR,3.3V	U2	
		DBV5		TEXAS INSTRUMENTS	TPS79333DBVRG4	
5	1 each	101722-0018R	PS	IC,DBV5,LINER REGULATOR,1.8V	U3	
		DBV5		TEXAS INSTRUMENTS	TPS79318DBVRG4	
6	1 each	102588-0033R	PS	IC,DBV5,LINER REGULATOR,3.3V,100mA	U4	
		DBV5		TEXAS INSTRUMENTS	TPS79133DBVR	
7	1 each	102515-0001R	PS	IC,TSSOP24,PROGRAMMABLE 4-PLL CLOCK	U34	
		TI_TSSOP24		TEXAS INSTRUMENTS	CDCE949PW	
8	1 each	102584-0001R	PS	IC,TSSOP16,1-TO-4, MULTIPLEXED	U6	
		TSSOP16		IDT	ICS8305AGLF	
9	1 each	102570-0001R	PS	IC,TSSOP20,3-CHANNEL LOW POWER VIDEO	U7	
		PSOP20PW		TEXAS INSTRUMENTS	THS7303PW	
10	2 each	101722-0001R	PS	IC,DBV6,LINER REGULATOR,ADJUSTABLE	U35, U8	
		DBV6		TEXAS INSTRUMENTS	TPS79301DBVRG4	
11	1 each	102162-0001R	PS	IC,SSOP8,DUAL BI-DIRECTIONAL I2C BUS AND	U33	
		SSOP8-DCT		TEXAS INSTRUMENTS	PCA9306DCTRE4	
13	1 each	102376-0001R	PS	TRANSISTOR,SOT23,MOSFET,N-CHANNEL	Q4	
		SOT23-FET		DIODES INC.	BSS123-7-F	

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Rev A

Printed 8/17/2007

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15	1 each	101590-0270R ABM7	PS	CRYSTAL,SMT,6mm,27 MHZ xtal2-75x94	Y1 Citizen America Corporation	CS10-27.000MABJ-UT
20	1 each	101228-2201R EIA0805	PS	FERRITE BEAD,SMT 0805,220 OHMS l805-35x60	L1 Murata Electronics	BLM21PG221SN1D
25	6 each	102587-0100R NFM21	PS	FILTER,SMT 0805,EMI,1uF,16V Murata Electronics	FIL1, FIL3, FIL4, FIL5, FIL6, FIL7 NFM21PC105F1C3D	
28	6 each	101893-0332R EIA2816P	PS	CAP,TANT,SMT 2816,330uF,6.3V,20% c7343-84x118	C27, C28, C29, C76, C78, C80 AVX CORPORATION	TPSE337M006R0100
29	2 each	101953-0331R EIA1206P	PS	CAP,TANT,SMT 1206,33uF,6.3V,LOW ESR c1206-40x70p	C82, C83 AVX CORPORATION	TPSA336K006R0600
30	18 each	100994-1100R EIA0603	PS	CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R c603-35x45	C1, C10, C11, C12, C16, C17, C2, C23, C3, C30, C6, C62, C63, C67, C68, C7, C8, C9 KEMET ELECTRONICS CORPORATION	C0603C104K4RAC
31	14 each	100993-1101R EIA0603	PS	CAP,CER,SMT 0603,.01uF,50V,+/-10%,X7R c603-35x45	C14, C18, C24, C25, C26, C33, C4, C5, C66, C69, C74, C77, C79, C81 AVX CORPORATION	06035C103KAT2A
32	2 each	102590-0470R EIA0603	PS	CAP,CER,SMT 0603,4.7uF,6.3V,X5R,+/-20% c603-35x45	C13, C15 PANASONIC	ECJ-1VB0J475M
33	4 each	101007-0100R EIA0603	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% c603-35x45	C19, C31, C32, C72 PANASONIC	ECJ-1VB0J105K
34	2 each	100993-1473R EIA0603	PS	CAP,CER,SMT 0603,470pF,50V,+/-10%,X7R c603-35x45	C64, C71 AVX CORPORATION	06035C471KAT2A
36	2 each	101002-1224R EIA0603	PS	CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO c603-35x45	C35, C75 PANASONIC	ECJ-1VC1H220J
37	2 each	101002-1334R EIA0603	PS	CAP,CER,SMT 0603,33pF,50V,+/-5%,NPO c603-35x45	C60, C61 PANASONIC	ECJ-1VC1H330J

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Printed 8/17/2007

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38	2 each	100994-1471R EIA0603	PS	CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R c603-35x45	C65, C70 PANASONIC	ECJ-1VB1C473K
39	2 each	101103-1184R EIA0603	PS	CAP,CER,SMT 0603,18pF,50V,+/-5%,NPO c603-35x45	C84, C85 PANASONIC	ECJ-1VC1H180J
40	2 each	101007-0220R EIA0603	PS	CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% c603-35x45	C34, C73 PANASONIC	ECJ-1VB0J225K
45	8 each	102586-2200R EXB-V8V	PS	RES,NETWORK,SMT,8 PIN,4 RES,22 PANASONIC	RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8	EXB-V8V220JV
50	4 each	100642-2700R EIA0603	PS	RES,SMT 0603,27 OHM,1%,1/16 WATT r603-35x45	R1, R2, R3, R4 Yageo	RC0603FR-0727RL
51	10 each	100687-0001R EIA0603	PS	RES,SMT 0603,0 OHM,1/16 WATT r603-35X45	R19, R32, R36, R46, R47, R48, R51, R55, R60, R7 PANASONIC	ERJ-3GEY0R00V
52	1 each	100642-3012R EIA0603	PS	RES,SMT 0603,3.01K OHM,1%,1/16 WATT r603-35x45	R8 PANASONIC	ERJ-3EKF3011V
53	1 each	100642-2002R EIA0603	PS	RES,SMT 0603,2K OHM,1%,1/16 WATT r603-35x45	R9 Yageo	RC0603FR-072KL
54	5 each	100642-1003R EIA0603	PS	RES,SMT 0603,10K OHM,1%,1/16 WATT r603-35x45	R10, R14, R18, R21, R5 PANASONIC	ERJ-3EKF1002V
55	3 each	100642-3740R EIA0603	PS	RES,SMT 0603,37.4 OHM,1%,1/16 WATT r603-35x45	R11, R12, R13 PANASONIC	ERJ-3EKF37R4V
56	1 each	100642-4320R EIA0603	PS	RES,SMT 0603,43.2 OHM,1%,1/16 WATT r603-35x45	R16 PANASONIC	ERJ-3EKF43R2V
57	1 each	100642-1002R EIA0603	PS	RES,SMT 0603,1K OHM,1%,1/16 WATT r603-35x45	R17 PANASONIC	ERJ-3EKF1001V
57	6 each	100642-7500R EIA0603	PS	RES,SMT 0603,75 OHM,1%,1/16 WATT r603-35x45	R22, R23, R24, R57, R58, R59 PANASONIC	ERJ-3EKF75R0V

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58	3 each	100642-1001R  EIA0603	PS	RES,SMT 0603,100 OHM,1%,1/16 WATT  r603-35x45	R15, R25, R26  Yageo	RC0603FR-07100RL
60	1 each	100642-5113R  EIA0603	PS	RES,SMT 0603,51.1K OHM,1%,1/16 WATT  r603-35x45	R35  PANASONIC	ERJ-3EKF5112V
61	2 each	100642-1004R  EIA0603	PS	RES,SMT 0603,100K OHM,1%,1/16 WATT  r603-35x45	R50, R56  Yageo	RC0603FR-07100KL
62	1 each	100642-1433R  EIA0603	PS	RES,SMT 0603,14.3K OHM,1%,1/16 WATT  r603-35x45	R52  PANASONIC	ERJ-3EKF1432V
63	2 each	100642-3013R  EIA0603	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT  r603-35x45	R34, R53  PANASONIC	ERJ-3EKF3012V
64	1 each	100642-1183R  EIA0603	PS	RES,SMT 0603,11.8K OHM,1%,1/16 WATT  r603-35x45	R54  PANASONIC	ERJ-3EKF1182V
66	1 each	102540-0012R  RCJ-01	PS	CONN,RCA,RIGHT ANGLE,RED  CUI/STACK	J4	RCJ-012
67	1 each	102540-0016R  RCJ-01	PS	CONN,RCA,RIGHT ANGLE,GREEN  CUI/STACK	J5	RCJ-016
68	1 each	102540-0015R  RCJ-01	PS	CONN,RCA,RIGHT ANGLE,BLUE  CUI/STACK	J6	RCJ-015
69	1 each	101576-0015R  DDF15MR	PS	CONN,DB15,HD,RECEPTACLE,RA  Tyco Electronics	J2	1-1734530-3
70	1 each	100880-0038R  AMP767004	PS	CONN,RECEPTACLE,VERTICAL,MICTOR,38 POS.  this is the same part as 102226-0038R, the p/n is different for layout reasons. MICTOR38_TEKTRONIC Tyco Electronics _PINOUT	JT1	2-5767004-2
71	1 each	101010-0025R  SMTCON25X2	PS	CONN,SMT,VERTICAL,HEADER,25X2,.44 HIGH  SAMTEC, INC.	DC5	TFM-125-32-S-D-LC
72	1 each	101010-0005R  SMTCON5X2	PS	CONN,SMT,VERTICAL,HEADER,5X2,.44 HIGH  SAMTEC, INC.	DC6	TFM-105-32-S-D-LC

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73	1 each	100115-0002R CON2	PL	HEADER,2 X 1,VERTICAL,PIN JUMP1X2-6040	JP2 SPECTRUM DIGITAL INC.	
74	2 each	100162-0001R TP046	PS	TEST POINT,BLUE MOUSER ELECTRONICS	AGND, DGND 151-205-RC	
80	3 each	NO-POP NO-POP	PS		CLK1, CLK2, CLKIN	
90	4 each	R0603-NOPOP EIA0603	PS	r603-35X45	R20, R33, R49, R6	
95	3 each	C0603-NOPOP EIA0603	PS	c603-35x45	C57, C58, C59	