TITLE		AT2LP Development Kit Board CY7C68320-100AXC – Fully Populated				
PCA #		121-26500	**Revision**	*A		
SCH #		12020	**Revision**	*C		
DATE		Sept 8, 2005				
Item	**Qty**	**CY Part Number**	**Reference**	**Description**	**Manufacturer**	**Mfr Part Number**
1	14	730-11026	C1,C2,C3,C4,C5,C6,C7,C8,	CAP .1UF 50V CERAMIC Y5V 0603	Panasonic - ECG	ECJ-1VF1H104Z
			C9,C10,C14,C15,C16,C17			
2	2	730-10622	C11,C12	CAP 22PF 50V CERAMIC 0603 SMD	Panasonic - ECG	ECJ-1VC1H220J
3	1	720-10194	C13	CAP 2.2UF 10V TANTALUM 20% 3216	Panasonic - ECG	ECS-H1AY225R
4	1	720-10730	C18	CAP 100UF 16V TANTALUM 20% 7343	AVX	TAJD107M016S
5	1	730-11131	C19	CAP .33UF 16V CERAMIC X7R 0805	Panasonic - ECG	ECJ-2YB1C334K
6	2	720-10610	C22,C20	CAP 10UF 16V TANTALUM 10% 3216	AVX	TAJA106K016R
7	1	730-10554	C21	CAP 0.01UF 50V CERAMIC X7R 0603	Panasonic - ECG	ECU-V1H103KBV
8	8	800-10292	D1,D4,D5,D6,D7,D8,D9,D10	LED GREEN CLEAR 1206 SMD	Chicago Miniature Lamp, Inc	CMD15-21VGC/TR8
9	1	800-10560	D2	DIODE SWITCH 80V 100MA SMINI 2P	Panasonic - SSG	MA2J11100L (MA111-TX)
10	1	800-11254	D3	LED HI EFF RED CLEAR 1206 SMD	Chicago Miniature Lamp, Inc	CMD15-21VRC/TR8
11	1	420-10196	J1	CONN CF CARD TYPE 2 HEADER	JST	ICM-MA2H-SS52-N11B
12	1	420-11674	J2	HEADER SHROUDED 40 POS STRAIGHT	3M/ISD	2540-6002UB
13	1	410-10139	J3	CONN USB RECEPT TYPE B PCB	AMP/TYCO	787780-1
14	3	420-11498	J4,J11,J13	CONN HDR BRKWAY 3POS STR AU PCB	AMP Division of TYCO	103185-3
15	9	420-10452	J5,J6,J8,J9,J10,J14,J15,	CONN HDR BRKWAY 2POS STR AU PCB	AMP Division of TYCO	103185-2
			J16,J17			
16	1	420-11495	J7	CONN HDR BRKWAY 6POS STR AU PCB	AMP/TYCO	103186-3
17	1	420-11678	J12	CONN HEADER 4 PIN HZ .100"	AMP/TYCO	171826-4
18	6	800-11256	Q1,Q2,Q3,Q5,Q6,Q7	MOSFET N-CHN 60V 7.5 OHM SOT23	Fairchild Semiconductor	2N7002
19	1	800-10420	Q4	HEX/MOS PCH LOG -20V-5.3A 8-SOIC	International Rectifier	IRF7204
20	6	620-10039	R1,R3,R19,R40,R51,R52	RES 1.0K OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ102V
21	9	630-11672	R2,R31,R44,R47,R49,R55,	RES 390 OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ391V
			R58,R61,R64			
22	1	620-10539	R4	RES 100K OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ104V
23	12	620-10518	R5,R26,R48,R50,R53,R54,	RES 10K OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ103V
			R56,R60,R63,R66,R67,R68			
24	3	620-10589	R6,R39,R41	RES 82 OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ820V
25	23	620-10517	R7,R8,R9,R10,R12,R13,R14,	RES 33 OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ330V
			R16,R17,R18,R20,R21,R23,			
			R24,R25,R27,R28,R29,R30,			
			R32,R34,R35,R36			
26	1	620-10435	R11	RES 39K OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ393V
27	1	620-10434	R15	RES 62K OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ623V
28	3	620-10519	R22,R33,R62	RES ZERO OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEY0R00V
29	2	NO LOAD	R37,R65	RES NO LOAD 0805 SMD	NA	NA
30	3	620-10587	R42,R43,R45	RES 22 OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ220V
31	2	620-10456	R59,R46	RES 5.6K OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ562V
32	1	620-10775	R57	RES 120K OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ124V
33	1	200-11676	SW1	SWITCH 4POS STAND PLASTISOL DIP	AMP/Tyco Electronics	3-435640-5
34	7	200-11140	S1,S2,S3,S4,S5,S6,S7	LT SWITCH 6MM 100GF H=7MM TH	Panasonic - ECG	EVQ-PBC07K
35	6	200-11429	TP1,TP2,TP3,TP4,TP5,TP6	TEST POINT 43 HOLE 65 PLATED BLACK	Keystone Electronics	5001
36	1	200-11428	TP7	TEST POINT 43 HOLE 65 PLATED RED	Keystone Electronics	5000
37	2	200-11508	TP8,TP9	TEST POINT 43 HOLE 65 PLATED ORANGE	Keystone Electronics	5003
38	1	NO LOAD	U1	NO LOAD IC RESET CIRCUIT 4.0V SOT23-3	Maxim IC	MAX809JEUR-T
39	1	CY7C68320-100AXC	U2	IC USB2.0 TO ATA/ATAPI BRIDGE TQFP100	Cypress Semiconductor	CY7C68320b-100
40	1	500-11677	U3	IC EEPROM CMOS SERIAL SO8	MICROCHIP TECHNOLOGY	24LC02B/P
41	1	500-11512	U4	IC REGULATOR LDO 3.3V 500MA SO8	Linear Technology	LT1763CS8-3.3
42	1	800-10894	Y1	CRYSTAL 24.000MHZ 20PF HC-49/US	ECS Inc.	ECS-240-20-4
43	1	PCB	PCB	PRINTED CIRCUIT BOARD	Cypress Semiconductor	PCB: PDC-9265 REV *A
44	5	** SEE ASSY DWG **	** SEE ADDITIONAL ASSY INST.**	SHUNTS 2 POSITION	SULLINS	SSC02SYAN
45	1		LABEL (DO NOT PLACE NEAR J1)	SERIAL NUMBER		XXXXXX
46	1	PCA: 121-26500	LABEL (DO NOT PLACE NEAR J1)	ASSEMBLY NUMBER	PCA: 121-26500	PCA: 121-26500
47	4	** SEE ASSY DWG **	INSTALL TO THE 4 CORNERS	FEET RUBBER SELF ADHESIVE	3M	SJ-5518-BLACK

Additional Assembly Instructions

1. Place one shunt on each of the following jumpers: J9.
2. Place one shunt on pins 1 and 2 of each of the following jumpers: J4,J11,J13
3. Place one shunt on pins 5 and 6 of each of the following jumpers: J7.
4. Place the labels (items 45-46) on the top side of the board