

Leopard Board 365 V1.3

Item Number	QTY	REF.DES.	VALUE	FOOTPRINT	Manufacturer	Part#
1	48	C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C16,C18,C24,C25,C26,C32,C36,C37,C38,C40,C41,C42,C43,C44,C45,C46,C54,C60,C67,C75,C85,C88,C115,C117,C118,C134,C135,C139,C143,C147,C148,C149,C151,C153,C154,C156,C158,C161	CAP .1UF 16V CERAMIC X7R	0402	Panasonic	ECJ-0EX1C104K
2	47	C15,C17,C31,C35,C47,C52,C57,C58,C59,C64,C65,C66,C74,C84,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C114,C120,C122,C124,C129,C	CAP .01UF 25V CERAMIC X7R	0402	Panasonic	ECJ-0EB1E103K
3	2	C82,C86	CAP 12PF 50V CERAMIC	0402	Panasonic	ECJ-0EC1H120J
4	2	C162,C163	CAP 22PF 50V CERAMIC	0402	Panasonic	ECJ-0EC1H220J
5	4	C49,C50,C132,C133	CAP 27PF 50V CERAMIC	0402	Panasonic	ECJ-0EC1H270J
6	2	C177,C164	CAP 47PF 50V CERAMIC	0402	Panasonic	ECJ-0EC1H470J
7	3	C27,C28,C146	CAP 270PF 50V CERAMIC X7R	0402	Panasonic	ECJ-0EB1H271K
8	1	C20	CAP .22UF 6.3V CERAMIC X5R	0402	Panasonic	ECJ-0EB0J224K
9	20	C48,C51,C53,C55,C56,C61,C62,C63,C69,C71,C76,C77,C80,C81,C83,C128,C140,C141,C165,C168	CAP CERAMIC 1UF 6.3V X5R	0402	Panasonic	ECJ-0EB0J105K
10	9	C1,C30,C34,C70,C72,C78,C87,C116,C167	CAP 2.2UF 6.3V CERAMIC X5R	0603	Panasonic	ECJ-1VB0J225K
11	16	C2,C3,C14,C19,C33,C39,C68,C73,C79,C150,C152,C155,C157,C159,C166,C181	CAP CERAMIC 4.7UF 6.3V X5R	0603	Panasonic	ECJ-1VB0J475K
12	3	C21,C22,C23	CAP CERAMIC 4.7UF 10V X5R	0805	Panasonic	ECJ-GVB1A475M
13	1	c160	CAP CERM 1000PF 2000V X7R	1206	AVX	1206GC102KAT1A
14	2	C130,C131	CAPACITOR TANT 33UF 6.3V 20%	3528-12	Kemet	T520T336M006ATE070
15	3	C119,C121,C123	330uF	Pack-D		
16	1	D4	ESD Diode	2512	Comchip	CPDF5V0U
17	9	C29,C138,C171,C172,C173,C175,C176,C179,C180	CAP CERAMIC 10UF 6.3V X5R	0603	Panasonic	ECJ-1VB0J106M
18	6	C136,C144,C145,C169,C170,C17	CAP CERAMIC 22UF 6.3V X5R	0805	Panasonic	ECJ-2FB0J226M
19	3	D1,D2,D3	SUPPRESSOR ESD 24VDC	0603	Littelfuse /Mouser	PGB0010603MR
20	1	DIPSW1	SWITCH TAPE SEAL 3 POS	SMD_DIP3	CTS	219-3LPST

21	10	FIL1,FIL2,FIL3,FIL6,FIL7,FIL8,FIL9,FIL10,FIL11,FIL12	SMD EMI Filters/Chip Ferrite Beads 0603 1UF 6.3V 2A	FIL0603	Murata/Mouser	NFM18PC105R0J3
22	1	JP1	SD CARD NORMAL TOP PCB	SDCARD	AVX	145638009211859+
23	3	J1, M1, SPK1	2MM MALE PIN - 2	2mm TH	Digikey	
24	1	J4**	2MM MALE PIN - 3	2mm TH	Digikey	
25	2	SHUNT FOR J1 AND J4	MINITEK JUMPER 2MM 2POD		FCI	86730-001LF
26	1	J2	Mini-B Receptacle, USB Right Angle	SMD	Molex	54819-0572
27	1	J10*	67997-420HLF (20pin) (7x2)	HEADER14	FCI	67997-420HLF
28	1	J5	CONN RCPT .05" 34POS DUAL T/H	2x17x1.27	Samtec	SFMC-134-02-S-D-TR
29	1	P1	RJ45 with Transformer built-in	RJ45	Future	HFJ11-2450E-L21RL
30	1	J3	2.1mm Power Jack	PJ2.1	Digikey	PJ-002A
31	1	J6	CONN RCPT .05" 50POS DUAL SMD	SMD	Samtec	SFM-125-02-S-D-LC
32	3	J9,J12,J13	AUDIO JACK 2.5MM STEREO	SJ2523	Digikey	SJ-2523-SMT
33	1	J11	Phone Jacks 2.5mm, 4 Conductors CLOSED	2.5MM	Mouser	161-2624-E
34	3	LED1, LED2,LED3	LED THIN 565NM GRN DIFF	0805	Digikey	SML-LXT0805GW-TR
35	1	L17	GLF2012T-2R2M (2.2uH)	0805	TDK	GLF2012T2R2M
36	4	L6,L8,L15,L22	MPZ2012S300	0805	TDK	MPZ2012S300A
37	1	L1	MLF2012A3R3KT	0805	Mouser	MLF2012A3R3K
38	4	L12,L23,L24,L25	BLM18PG181SN1	0603	Mouser	BLM18PG181SH1D
39	7	L5,L7,L9,L13,L14,L16,L18	GLF2012T-220K (22uH)	0805	TDK	GLF2012T220K
40	2	L20,L21	RES 0.0 OHM 1/10W 5%	0603	Panasonic	ERJ-3GEY0R00V
41	1	L27	CDRH3D16-2.2uH	RH3D16	Digikey	VLF4012AT-2R2M1R5 or CDRH3D16NP-2R2NC
42	1	L26	CDRH3D16-3.3uH	RH3D16	Digikey	VLF4012AT-3R3M1R3 or CDRH3D16NP-3R3NC
43	1	Q1	AO3403	SOT23	Digikey	AO3403
44	1	Q2	DTC144EUA	DTC143EUA	Digikey	DTC144EUAT106
45	1	Q4	2SC2412K	SOT-346	Digikey	2SC2412KT146Q
46	1	Q3	BSS84CT-ND	SOT23	Digikey	BSS84CT-ND
47	8	RN3,RN4,RN5,RN6,RN8,RN9,RN12,RN14	RES ARRAY 10 OHM 5% 8 RES	0402X8	Panasonic	EXB-2HV100JV
48	8	RN1,RN2,RN7,RN10,RN11,RN13,RN15,RN16	RES ARRAY 10 OHM 5% 4 RES	0402X4	Panasonic	EXB-28V100JX
49	37	R3,R11,R13,R27,R31,R33,R34,R47,R72,R83,R84,R86,R88,R89,R90,R91,R92,R93,R94,R95,R96,R97,R100,R101,R104,R106,R108,R117,R118,R121,R130,R134,R153,R169,R170,R171,R174	RES 0 OHM 1/16W 5%	0402	Panasonic	ERJ-2GE0R00X
50	1	R168	RES 1.0 OHM 1/10W 5%	0603	Panasonic	ERJ-3RQJ1R0V

51	11	R5,R35,R36,R37,R38,R39,R40,R146,R187,R188,R189	RES 10.0 OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF10R0X
52	1	R133	RES 22.0 OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF22R0X
53	7	R48,R49,R50,R51,R67,R68,R128	RES 33 OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ330X
54	4	R4,R131,R132,R139,R140	RES 49.9 OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF49R9X
55	6	R103,R107,R110,R111,R112,R113	RES 75 OHM 1/10W 5%	0402	Panasonic	ERJ-2GEJ750X
56	2	R119,R120	RES 100 OHM 1/10W 5%	0402	Panasonic	ERJ-2GEJ101X
57	2	R123,R122	RES 220 OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ221X
58	3	R105,R109,R114	RES 267 OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF2670X
59	2	R144,R145	RES 330 OHM 1/10W 5%	0402	Panasonic	ERJ-2GEJ331X
60	1	R186	RES 680 OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ681X
61	8	R1,R2,R22,R44,R59,R166,R183,R185	RES 1.00K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF1001X
62	4	R20,R21,R30,R151	RES 1.5K OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ152X
63	2	R42,R194	RES 2.10K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF2101X
64	1	R41	RES 2.15K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF2151X
65	8	R7,R9,R64,R65,R73,R80,R82,R87	RES 2.2K OHM 1/10W 5%	0402	Panasonic	ERJ-2GEJ222X
66	1	R43	RES 2.40K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF2401X
67	1	R98	RES 4.7K OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ472X
68	1	R46	RES 4.99K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF4991X
69	1	R143	RES 6.65K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF6651X
70	1	R45	RES 7.5K OHM 1/10W 5%	0402	Panasonic	ERJ-2GEJ752X
71	24	R6,R18,R19,R23,R25,R26,R29,R71,R102,R124,R126,R127,R135,R136,R137,R141,R142,R147,R148,R149,R150,R154,R192,R193	RES 10K OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ103X
72	7	R8,R10,R14,R15,R16,R17,R195	RES 20.0K OHM 1/16W 1%	402	Panasonic	ERJ-2RKF2002X
73	12	R61,R123,R136,R157,R160,R161,R162,R163,R164,R167,R181,R192	RES 47K OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ473X
74	13	R52,R53,R54,R56,R57,R62,R63,R74,R75,R76,R77,R78,R79	RES 51K OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ513X
75	4	R24,R129,R158,R184	RES 100K OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ104X
76	2	R172,R180	RES 120K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF1203X
77	2	R179,R177	RES 130K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF1303X
78	3	R165,R173,R176	RES 150K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF1503X
79	1	R191	RES 200K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF2003X
80	2	R175,R178	RES 240K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF2403X
81	1	R58	RES 510K OHM 1/16W 5%	0402	Panasonic	ERJ-2GEJ514X
82	1	R190	RES 620K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF6203X
83	1	R159	RES 680K OHM 1/16W 1%	0402	Panasonic	ERJ-2RKF6803X
84	1	SW1	IT-1188E-160G, RESET Button	TACTSWITCH	Mouser	TL3330AF130QG
85	1	U2	K4T1G164QQ-HCE6 (1Gb DDRII) or MT47H64M16HR-3 (1G from Micron)	FBGA135-84	Arrow	K4T1G164QQ-HCE6 or MT47H64M16HR-3

86	1	U7	K9F5608U0D-PCB0 (256Mb NAND) or K9F1208U0C-PCB0000 (512Mb) or K9F1G08U0B-PCB0000 (1Gb) or	TSSOP-48	Arrow/Avnet/FutureElectronics	K9F5608U0D-PCB0000 or MT29F2G08AADWP
87	1	U1	TMS320DM365AZCE300	BGA361-338	TI	TMS320DM365AZCE300
88	1	U8	SN74LVC1G08DCK	SC-70-5	TI	SN74LVC1G08DCKR
89	1	U6	TRS3221ECPWR	TSSOP-16	TI	TRS3221ECPWR
90	1	U10	TLV320AIC3104IRHBT	QFN32	TI	TLV320AIC3104IRHBT
91	1	U12	TPS65053RGE	QFN24	TI	TPS65053RGET
92	1	U4	USB Power Peripheral	14-HTSSOP	TI	TPS2141IPWP
93	1	U3	IC 900MA POWER DIST SW	8-SOIC	TI	TPS2041BD
94	1	U5	IC LV ADJ PREC SHUNT REG	SOT23-3	TI	TLV431ACDBZR
95	1	U9	IC VIDEO AMP 3-CH LP	20-TSSOP	TI	THS7303PW
96	1	U13	IC LDO VOLT REG 1.8V	SOT23-5	TI	TPS79918DDCR
97	1	U14	IC LDO VOLT REG ADJ	SOT23-6	TI	TPS79301DBVR
98	1	U11	TXRX PHY 10/100 3.3V	48-LQFP	Micrel	KSZ8001L
99	1	Y1	24MHZ	CRY(3.2X2.5)	Digikey	NX3225SA-24.000000MHZ
100	1	Y3	25MHZ	CRY(3.2X2.5)	Digikey	CS325 25.000MABJ-UT
101	1	Y2	32.768KHz	CRYSTAL-32	Seiko	VT200F-12.5PF20PPM