



Item	Qty	Description	Mfg	Part Number	Val/Tol	Pkg	Notes	
1	62	C11,C13,C15,C17,C27,C29,C31,C33,C36,C37,C38,C39,C40,C41,C42,C43,C44,C46,C47,C48,C49,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C67,C68,C70,C71,C76,C77,C78,C79,C80,C81,C82,C83,C84,C86,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C105,C110,C111,C112	Ceramic Capacitor	AVX	0603YC104KAT2A	0.1uF	0603	
2	19	C1,C2,C3,C4,C8,C9,C10,C12,C14,C16,C18,C20,	Ceramic Capacitor	AVX	06035C103KAT2A	0.01uF	0603	
3	2	C104,C109	Ceramic Capacitor	AVX	06035A680JAT2A	68pF	0603	
4	4	C5,C6,C72,C73	Ceramic Capacitor	AVX	06035A220JAT2A	22pF	0603	
5	18	C7,C19,C25,C34,C35,C45,C50,C62,C63,C64,C65,C66,C69,C74,C75,C85,C87,C88	Tantalum Capacitor	AVX	TAJA106K010R	10uF	TANA	
6	1	C23	Tantalum Capacitor	AVX	TAJB226K010R	22uF	TANB	
7	6	C101,C102,C103,C106,C107,C108	Tantalum Capacitor	AVX	TAJD107K010R	100uF	TAND	
8			DO NOT POPULATE	DNP		0603	Do Not Install	
9	9	D1,D2,D3,D4,D5,D6,D7,D8,D9	LED	FSC	QTLP650C2TR	Red	1206	
10	2	J6,JP2	Header 0.1"	AMP	103186-3	3x2	Thru-hole	
11	5	JP1,JP3,JP9,JP11,JP13	Header 0.1"	AMP	103185-2	2x1	Thru-hole	
12	7	JP4,JP5,JP6,JP7,JP8,JP10,JP14	Header 0.1"	AMP	103185-3	3x1	Thru-hole	
13	1	JR1	USB Type B	AMP	787780-1		Thru-hole	
14	1	J1	Pulse GigJack RJ-45	VAL	JK0654218Z			
15	1	P1	PCMCIA_CONN	AMP	146321-1		SMT	
16	2	J2,J3	AvBus Conn Secondary	AMP	5-179010-6	140-pin	SMT	
17	2	P2,P3	AvBus Conn Primary	AMP	179031-6	140-pin	SMT	
18	1	RP15	Resistor Pack	BNS	CAT16-000J4	0		
19	7	RP1,RP2,RP3,RP4,RP5,RP6,RP7	Resistor Pack	BNS	CAT16-220J4	22ohm		
20	5	RP9,RP10,RP11,RP12,RP13	Resistor Pack	BNS	CAT16-102J4	1K		
21	3	RP14,R64,RP8	Resistor Pack	BNS	CAT16-472J4	4.7K		
22	18	JT1(2-3), JT2(1-2), JT3(1-2), JT4(2-3), JT6(1-2), JT7(2-3), JT11(2-3), JT12(1-2), JT14(1-2), JT15(2-3), JT16(1-2), R45,R46,R47,R48,R49,R65,R66	Resistor	DAL	CRCW0603000RT1	0	0603	3-pad jumpers (JT) install as specified
23	1	R60	Resistor	DAL	CRCW06032R7JRT1	2.7ohm	0603	
24	1	R25	Resistor	DAL	CRCW0603180JRT1	18	0603	
25	1	R41	Resistor	DAL	CRCW0603220JRT1	22	0603	
26	8	R1,R2,R3,R4,R5,R6,R7,R8	Resistor	DAL	CRCW060349R9FRT1	49.9 1%	0603	
27	6	R9,R12,R17,R19,R21,R23	Resistor	DAL	CRCW0603331JRT1	330	0603	
28	4	R37,R52,R58,R59	Resistor	DAL	CRCW0603681JRT1	680	0603	
29	7	JT5(1-2), JT8(2-3), JT9(1-2), JT10(1-2), JT13(2-3), R33,R53	Resistor	DAL	CRCW0603102JRT1	1K	0603	Positions are specified. JT5 changed to 1-2.
30	8	R10,R11,R13,R16,R18,R20,R22,R24	Resistor	DAL	CRCW0603152JRT1	1.5K	0603	
31	21	JT17(1-2), JT18(1-2), JT19(2-3), R15,R27,R28,R29,R30,R31,R32,R34,R35,R36,R38,R39,R42,R50,R55,R61,R62,R63	Resistor	DAL	CRCW0603472JRT1	4.7K	0603	Positions are specified.
32	1	R26	Resistor	DAL	CRCW06039761FRT1	9.76K 1%	0603	
33	2	R44,R43	Resistor	DAL	CRCW0603104JRT1	100K	0603	
34	1	R14	Resistor	DAL	CRCW0603106JRT1	10M	0603	
35	1	R51	Resistor	DAL	CRCW06031052FRT1	10.5K 1%	0603	
36	1	R56	Resistor	DAL	CRCW06034991FRT1	4.99K 1%	0603	
36	2	R54,R57	Resistor	DAL	CRCW06031002FRT1	10K 1%	0603	
36	2	SW2,SW1	PushButton	BNS	7914J-1-000E		SMT	
37	1	SW3	Dip Switch	GRH	76RSB06S	6x Switch	Thru Hole	
38	1	U1	10/100/1000 Ethernet PHY	NSC	DP83865BVH	PQFP128	SMT	
39	2	U13,U2	Single-gate Inverter	SGS	74V1G04STR	5-pin	SOT23	
40	3	U3,U4,U14	Two-input AND Gate	SGS	74V1G08STR	5-pin	SOT23	
41	2	U5,U6	SDRAM 16Mx16	MIC	MT48LC16M16A2TG-75	54TSOP	SMT	
42	2	U7,U10	FLASH 4Mx16	MIC	MT28F640J3RG-12	56TSOP	SMT	
43	2	U8,U9	SRAM 256Kx16	CYP	CY7C1041CV33-15ZC	TSOP44	SMT	
44	1	U11	32-bit Buffer	TIS	SN74ALVCH32244KR	96-ball	FBGA	
45	1	U12	32-bit Transceiver	TIS	SN74ALVCH32245KR	96-ball	FBGA	
46	2	U15,U16	Bus Switch	TIS	SN74CBTD16211DGGR		SMT	
47	1	U17	USB 2.0 High Speed Controller	CYP	CY7C68013-56PVC	56SSOP	SMT	
48	1	U18	Serial EEPROM +	ATL	AT24C64AN-10SI-2.7	SO8	SMT	
49	2	U24,U19	3 State Buffer	SGS	74V1G125	SOT23	SMT	
50	2	U20,U21	Linear Regulator	NSC	LP3966ES-ADJ	TO263	SMT	
51	1	U22	Blue Tooth Module	TYC	EYMF2C4MM-XW	Module	SMT	
52	1	U23	IRDA Transceiver	HPO	HSDL-3602-007		SMT	
53	1	Y1	Crystal, 25 MHz	FOX	FPX250F-20		SMT	
54	1	Y2	Crystal, 25 MHz	FOX	FPX240F-20		SMT	
55			Circuit Card					
56			Assembly & Test					

Item	Qty		Description	Mfg	Part Number	Val/Tol	Pkg	Notes
57	11	JP1 (1-2), JP2 (1-3) & (2-4), JP3 (1-2), JP4 (2-3), JP5 (2-3), JP6 (1-2), JP7 (1-2), JP8 (1-2), JP10 (2-3), JP14 (2-3)	Shunts	AMP	382811-6 (or equivalent)			
58								
Copyright © 2004 Avnet, Inc. AVNET and the AV logo are registered trademarks of Avnet, Inc. AVNET AVENUE and AVNET AVENUE & Design are trademarks of Avnet, Inc. All other brands and trademarks are property of their respective owners.								