

Item	Qty	Reference	Part	DESCR	MFR	* MPN	Qty/Unit
1						* substitution acceptable	
2	3	C37,39,42	10pF	CAP CER NPO 10pF 50V 5% 0603	BC Components	* 0603N100J500NT	3
3	2	C119,120	15pF	CAP CER NPO 15pF 50V 5% 0603	BC Components	* 0603N150J500NT	2
4	2	C80,81	DNI-33pF	CAP CER NPO 33pF 50V 5% 0603	Panasonic	* ECJ-1VC1H330J	0
5	1	C74	47pF	CAP CER NPO 47pF 50V 5% 0603	BC Components	* 0603N470J500NT	1
6	19	C5,25-27,29,31,32,35,36,38,43,44	100pF	CAP CER NPO 100pF 50V 5% 0603	BC Components	* 0603N101J500NT	19
7		45-47,49,50,500,501					
8	3	C1,73,135	.001uF	CAP CER X7R 1000pF 50V 10% 0603	Panasonic	* ECJ-1VB1H102K	3
9	6	23,28,33,40,121,122	1500pF	CAP CER NPO 1500pF 50V 5% 0805	Panasonic	* ECJ-2VC1H152J	6
10	1	C48	.0047uF	CAP CER X7R 4700pF 50V 10% 0603	BC Components	* 0603B472K500BT	1
11	58	C3,9-12,54,58,59,6264,66,68,	.1uF	CAP CER X7R .1uF 25V 10% 0603	Panasonic	* ECJ-1VB1E104K	58
12		70,72,77,79,83-111,123,124,126-					
13		128,130-132,134,136-138					
14	1	C51	.47uF	CAP CER X5R .47uF 10V 10% 0603	Panasonic	* ECJ-1VB1A474K	1
15	2	C24,34	1uF	CAP CER X5R 1uF 16V 10% 0603	Panasonic	* ECJ-1VB1C105K	2
16							
17	4	C30,41,55,82	1T/16	CAP TANT precision 1uF 16V 10% A	Kemet	* T491A105K016AS	4
18	8	C4,8,61,67,69,75,129,133	10T/16	CAP TANT precision 10uF 16V 20% A	Kemet	* T491A106M016AS	8
19	1	C71	10TL/16	CAP TANT LO ESR 10uF 16V 10% B	Kemet	* T494B106K016AS	1
20	1	C2	10T/25	CAP TANT precision 10uF 25V 10% C	Kemet	* T491C106K025AS	1
21	1	C65	22T/6.3	CAP TANT precision 22uF 6.3v 10% B	Kemet	* T491B226K006AS	1
22	1	C78	DNI-33T/10	CAP TANT LO ESR 33uF 10V 10% B	Kemet	* T494B336K010AS	0
23	1	C76	47T/6.3	CAP TANT 47uF 6.3V 20% B	Kemet	* T520B476M006AS	1
24							
25	1	F1	R451 005.	FUSE "NANO" 5A SMD	LITTELFUSE	* R451 005.	1
26	2	JP7,8		CON HDR 2mm 2 PIN GOLD	ADAMTECH	* 2PH1-02UA	
27	1	JP1	HDR15x1P	CON HDR .100" 15 PIN GOLD .240" HIGH	MOLEX	* 22-28-4154	1
28	1	J1	CON14A	CON HDR .100" 2X7 POS	MOLEX	* 90131-0767	1
29	1	J3	HDR-2x1	CON HDR .100" 2 PIN TIN R/A FRICTION LOCK	MOLEX	22-05-3021	1
30	1	J4	HDR6x1P	CON HDR 2mm 5 PIN TIN R/A POLARIZED	HIROSE	DF3A-5P-2DS	1
31	1	J2	CONN USB	CON USB TYPE B R/A PC MNT	MOLEX	* 67068-0000	1
32	1	P1	DB9F	CON D-SUB FEMALE SOLDER CUP W/ TH INSERT	Norcomp	* 171-009-202-011	1
33							
34	18	L1,2,5-20	FB	FERR BEAD 500mA 150 Ohm 0603	Steward	* LI0603E151R-00	18
35	2	L3,4	10uH	INDUCTOR 10uH SMD	Coilcraft	* 1812PS-103M	2
36	1	L21	100uH	INDUCTOR 100uH SMD	Coilcraft	* 1812PS-104M	1
37							
38	8	JP2,5	0	RES 5% FILM 1/16 W 0 OHM 0603	Yageo	* 9C06031A0R00JLHFT	8
39		R14,20,97,98,103,110					
40	4	JP3,6,9,R48	DNI-0	RES 5% FILM 1/16 W 0 OHM 0603	Yageo	* 9C06031A0R00JLHFT	0
41	2	R1,5	DNI-0HC	RES 5% FILM 1/8 W 0 OHM 0805	Panasonic	* ERJ-6GEY0R00V	0
42	2	R2,111	0HC	RES 5% FILM 1/8 W 0 OHM 0805	Panasonic	* ERJ-6GEY0R00V	2
43							
44	7	R28,29,37,105,106,107,108	100	RES 1% FILM 1/16 W 100 OHM 0603	Yageo	* 9C06031A1000FKHFT	7
45	1	R60	5.11	RES 1% FILM 1/16 W 5.11 OHM 0603	Yageo	* 9C06031A5R11FKHFT	1
46	4	R58,65,66,104	33.2	RES 1% FILM 1/16 W 33.2 OHM 0603	Yageo	* 9C06031A33R2FKHFT	4
47	1	R75	51.1	RES 1% FILM 1/16 W 51.1 OHM 0603	Yageo	* 9C06031A51R1FKHFT	1
48	4	R67,69,71,73	64.9	RES 1% FILM 1/16 W 64.9 OHM 0603	Yageo	* 9C06031A64R9FKHFT	4
49	1	R4	174	RES 1% FILM 1/16 W 174 OHM 0603	Yageo	* 9C06031A1740FKHFT	1
50	3	R25,27,100	330	RES 1% FILM 1/16 W 330 OHM 0603	Yageo	* 9C06031A3300FKHFT	3

51	1	R30	619	RES	1% FILM	1/16 W	619 OHM	0603	Yageo	*	9C06031A6190FKHFT	1
52	1	R3	845	RES	1% FILM	1/16 W	845 OHM	0603	Yageo	*	9C06031A8450FKHFT	1
53												
54	1	R99	1K	RES	1% FILM	1/16 W	1K	0603	Yageo	*	9C06031A1001FKHFT	1
55	2	R78,59	1.5K	RES	1% FILM	1/16 W	1.5K	0603	Yageo	*	9C06031A1501FKHFT	2
56	1	R503	8.3K	RES	1% FILM	1/16 W	8.3K	0603	Yageo	*	9C06031A8301FKHFT	1
57	17	R17,18,23,24,31,43,44,51,52	10K	RES	1% FILM	1/16 W	10K	0603	Yageo	*	9C06031A1002FKHFT	17
58		54,55,56,76,112,113,114,115										
59	1	R501	27K	RES	1% FILM	1/16 W	27K	0603	Yageo	*	9C06031A2702FKHFT	
60	2	R34,35	15.0K	RES	1% FILM	1/16 W	15.0K	0603	Yageo	*	9C06031A1502FKHFT	2
61	1	R101	38.3K	RES	1% FILM	1/16 W	38.3K	0603	Yageo	*	9C06031A3832FKHFT	1
62	1	R500	47K	RES	1% FILM	1/16 W	47K	0603	Yageo	*	9C06031A4702FKHFT	1
63	8	R19,26,39,50,61-64	51.1K	RES	1% FILM	1/16 W	51.1 K	0603	Yageo	*	9C06031A5112FKHFT	8
64	4	R15,16,21,33	68.1K	RES	1% FILM	1/16 W	68.1K	0603	Yageo	*	9C06031A6812FKHFT	4
65	1	R53	80.6K	RES	1% FILM	1/16 W	80.6K	0603	Yageo	*	9C06031A8062FKHFT	1
66												
67	2											
68	6	R68,70,72,74,77,109	100K	RES	1% FILM	1/16 W	100K	0603	Yageo	*	9C06031A1003FKHFT	6
69												
70	1	R36	105K	RES	1% FILM	1/16 W	105K	0603	Yageo	*	9C06031A1053FKHFT	1
71	1	R22	140K	RES	1% FILM	1/16 W	140K	0603	Yageo	*	9C06031A1403FKHFT	1
72	1	R46	169K	RES	1% FILM	1/16 W	169K	0603	Yageo	*	9C06031A1693FKHFT	1
73	1	R49	200K	RES	1% FILM	1/16 W	200K	0603	Yageo	*	9C06031A2003FKHFT	1
74	2	R79,45	301K	RES	1% FILM	1/16 W	301K	0603	Yageo	*	9C06031A3013FKHFT	2
75	1	R47	511K	RES	1% FILM	1/16 W	511K	0603	Yageo	*	9C06031A5113FKHFT	1
76	1	R32	560K	RES	1% FILM	1/16 W	560K	0603	Yageo	*	9C06031A5603FKHFT	1
77	1	R80	681K	RES	1% FILM	1/16 W	681K	0603	Yageo	*	9C06031A6813FKHFT	1
78												
79	2	At U23,U24		LIGHT PIPE					BIVAR		SLP3-350-100-R	2
80	1	U23	SM0807SBC-RP	LED	DUAL	RED/GRN		0807	Bivar	*	SM0807BC-RP	1
81	1	U24	SM0807BC-A/G	LED	DUAL	AMB/GRN		0807	Bivar	*	SM0807BC-A/G	1
82	1	D1	1N4001	DIODE RECTIFIER 1A				SMB	Diodes, Inc.	*	S1AB-13	1
83	1	D3	DNI-1N5818	DIODE SCHOTTKEY 30V 1A				SMB	Intern'l Rect.	*	STPS1L30U	0
84	3	D4,5,6	ZLLS400	DIODE SCHOTTKEY 40V 520mA SMD(SOD-323)					ZETEX	*	ZLLS400	3
85	2	U30,31	TPC6201	IC	MOS FET	N CHAN	DUAL	SOT-23-6	TOSHIBA	*	TPC6201(TE85L)	2
86	1	U9	MIC29302BT_bom	IC	V REG	HI CURR	LDO 3A 3.3V	TO-220	Micrel		MIC29302BT	1
87	1	U11	LP2951ACMM	IC	V REG	ADJ	LDO	8-MSOP	National		LP2951ACMM	1
88	1	U16	TPS7301QD	IC	V REG	ADJ	LDO	8-SOIC	TI		TPS7301QD	1
89	1	U29	74AHCT541	IC	OCTAL BUFF/DRV			20-TSSOP	TI		SN74AHCT541PWR	1
90	2	U5,6	TLV2374	IC	OP AMP	QUAD	R-R	14-TSSOP	TI		TLV2374IPW	2
91	1	U27	MAX3111E	IC	RS232	XCVR	W/CAP	28-SOIC	Maxim		MAX3111EEWI	1
92	1	U36	MAX3311E	IC	RS232	XCVR		10-MSOP	MAXIM		MAX3311EEUB	1
93	1	U28	STF202-22	IC	USB PORT FILTER			6-TSOP	ON Semi		STF202-22T1	1
94	1	U17	TPS62000	IC	DC/DC CONV	STEP DN		10-MSOP	TI		TPS62000DGSR	1
95	1	U33	MAX5821LEUA	IC	DAC	DUAL		8-MSOP	Maxim		MAX5821LEUA	1
96	1	U21	XCR3064XL	IC	CPLD	3.3V		48-CSP	Xilinx		XCR3064XL-10CS48C	1
97	1	U19	TMS320VC5509GHH	IC	DSP	FIXED PT		179-BGA	TI		TMS320VC5509GHH31	1
98	1	U15	TLV320AIC23B	IC	CODEC	EREO AUDIO		28-TSSOP	TI		TLV320AIC23BIPW	1
99	1	U18	TPS3307-18	IC	uP SUPERVISOR			8-MSOP	TI		TPS3307-18DGNR	1
100	1	U35	RC28F160C3xxxx	IC	FLASH MEM	3V	1M X 16	64-BGA	Intel		RC28F160C3TA110	1
101												
102	1	U20	OSC_12M	IC	OSCILLATOR	24.000MHz		SMD	Citizen	*	CSX750FBC12.000000MTR	1
103	1	Y1	DNI-32.768 KHZ	IC	CRYSTAL	32.768 KHz		SMD	Citizen		CM155-32.768KDZFTR	0
104	1	Y2	3.6864 MHZ	IC	CRYSTAL	3.6864 MHz		SMD(CAN)	Citizen	*	CMR310T3.6864MAJBTR	1
105												
106												