

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
1	1	CIN1	CAP, 220uF 20% 50V ELEC	PANASONIC EEEFK1H221P
2	0	CIN2	CAP, 220uF 20% 50V ELEC OPTION	PANASONIC EEEFK1H221P OPTION
3	6	CIN3-CIN8	CAP, 1210 4.7uF 10% 50V X7R	MURATA GRM32ER71H475KA88L
4	0	CIN9,CIN10,CIN11	CAP, 1210 OPTION	OPTION
5	5	C2,C17,C20,C21,C47	CAP, 0603 0.1uF 10% 50V X7R	AVX 06035C104KAT2A
6	1	C11	CAP, 0805 4.7uF 10% 10V X5R	AVX 0805ZD475KAT2A
7	0	C38,C48,C51,C52	CAP, 0603 OPTION	OPTION
8	1	C50	CAP, 0603 1uF 10% 16V X5R	AVX 0603YD105KAT
9	2	D2,D1	DIODE, SCHOTTKY, 1A,100V	DIODES INC DFLS1100-7
10	14	E1-E6,E9,E10-E16	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
11	2	JP2,JP1	HEADER,3PIN, 2mm	SAMTEC TMM-103-02-L-S
12	2	JP3,JP4	HEADER, 4PIN	SAMTEC TMM-104-02--L-S
13	6	J1,J2,J3,J4,J5,J6	JACK, BANANA	KEYSTONE 575-4
14	0	Q5,Q6,Q7,Q8	DO NOT STUFF	OPTION
15	0	R2,R26,R28,R34,R37,R38,R41,	RES, 0603 OPTION	OPTION
16		R49,R50,R52,R55,R67,R71,R72		
	6	R3,R7,R9,R10,R25,R36	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
17	1	R18	RES, 0603 2.2 OHMS 5% 1/10W	VISHAY CRCW06032R20JNEA
18	3	R32,R33,R68	RES, 0603 20K OHMS 1% 1/10W	VISHAY CRCW060320K0FKEA
19	2	R66,R46	RES, 0603 100K OHMS 1% 1/10W	VISHAY CRCW0603100KFKEA
20	2	R64,R65	RES, 0603 10 OHMS 5% 1/10W	VISHAY CRCW060310R0JNEA
21	1	U1	IC, DUAL OUTPUT BUCK CONVERTER	LINEAR TECH. LTC3855EFE
22	4	JP1-JP4	SHUNT, 2mm	SAMTEC 2SN-BK-G

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
1	1		GENERAL BILL OF MATERIALS	LINEAR TECH. DC1617A
2	4	COUT1,COUT2,COUT4,COUT5	CAP, 7343 330uF 20% 4V TANT	KEMET T520V337M004ATE009
3	2	COUT3,COUT6	CAP, 1210 100uF 20% 6.3V X5R	TDK C3225X5R0J107M
4	2	C14,C15	CAP, 0603 0.22uF 10% 25V X7R	AVX 06033C224KAT2A
5	2	C37,C49	CAP, 0603 22pF 5% 50V NPO	AVX 06035A220JAT2A
6	1	C41	CAP, 0603 1nF 10% 50V X7R	AVX 06035C102KAT
7	1	C42	CAP, 0603 220pF 5% 25V NPO	AVX 06033A221JAT2A
8	1	C43	CAP, 0603 330pF 5% 25V NPO	AVX 06035A331JAT
9	1	C44	CAP, 0603 3.3nF 10% 50V X7R	AVX 06035C332KAT2A
10	2	L1,L2	IND, 0.9uH	WURTH 744355090
11	2	RN2,RN1	THERMISTOR, 0805 100K OHMS 5%	MURATA NCP18WF104J03RB
12	0	RN3	THERMISTOR, 0805 100K OHMS 5% OPTION	MURATA NCP18WF104J03RB OPTION
13	2	RS1,RS2	RES, 2010 0 OHMS 1% 1/2W	TEPRO RN6083
14	6	R11,R44,R58,R62,R63,R70	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
15	0	R12,R29,R30,R39,R40,R42,R61,R69,R73	RES, 0603 OPTION	OPTION
16	1	R27	RES, 0603 63.4K OHMS 1% 1/10W	VISHAY CRCW060363K4FKEA
17	1	R31	RES, 0603 20K OHMS 1% 1/10W	VISHAY CRCW060320K0FKEA
18	2	R45,R51	RES, 0603 18.2K OHMS 1% 1/10W	VISHAY CRCW060318K2FKEA
19	1	R35	RES, 0603 11.8K OHMS 1% 1/10W	VISHAY CRCW060311K8FKEA
20	1	R43	RES, 0603 40.2K OHMS 1% 1/10W	VISHAY CRCW040240K2FKED
21	2	R47,R53	RES, 0603 45.3K OHMS 1% 1/10W	VISHAY CRCW060345K3FKEA
22	2	R56,R59	RES, 0603 3.09K OHMS 1% 1/10W	VISHAY CRCW06033K09FKEA
23	1	R57	RES, 0603 8.45K OHMS 1% 1/10W	VISHAY CRCW06038K45FKEA
24	1	R60	RES, 0603 11.0K OHMS 1% 1/10W	VISHAY CRCW060311K0FKEA
25	2	Q3,Q1	XSTR, N-CHANNEL MOSFET	RENESAS RJK0305DPB
26	2	Q4,Q2	XSTR, N-CHANNEL MOSFET	RENESAS RJK0330DPB

DC1617A-B
Rev 2 Bill of Materials

8/2/2011

M.C.

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
1	1		GENERAL BILL OF MATERIALS	LINEAR TECH. DC1617A
2	1	COUT1	CAP, 7343 68uF 20% 16V TANT	KEMET T520D686M016ATE050
3	0	COUT2,COUT5	CAP, 7343 OPTION	OPTION
4	2	COUT3,COUT6	CAP, 1210 10uF 10% 25V X5R	KEMET C1210C106K3PAC
5	1	COUT4	CAP, 7343 220uF 20% 6.3V TANT	KEMET T520V227M006ATE012
6	2	C14,C15	CAP, 0603 1nF 10% 50V X7R	AVX 06035C102KAT
7	0	C37,C49	CAP, 0603 OPTION	OPTION
8	1	C41	CAP, 0603 3.3nF 10% 50V X7R	AVX 06035C332KAT2A
9	2	C42,C43	CAP, 0603 47pF 5% 25V NPO	AVX 06033A470JAT2A
10	1	C44	CAP, 0603 1.5nF 10% 50V X7R	AVX06035C152KAT2A
11	1	L1	IND, 13uH	WURTH 7443551131
12	1	L2	IND, 3.7uH	WURTH 7443551370
13	0	RN2,RN1	THERMISTOR, 0805 100K OHMS 5% OPTION	MURATA NCP18WF104J03RB OPTION
14	0	RN3	THERMISTOR, 0805 OPTION	OPTION
15	1	RS1	RES, 2010 0.008 OHMS 1% 1/2W	VISHAY WSL20108L00FEA
16	1	RS2	RES, 2010 0.005 OHMS 1% 1/2W	VISHAY WSL20105L00FEA
17	0	R11,R51,R44,R45,R47,R53, R56-R60,R62,R63,R70	RES, 0603 OPTION	OPTION
18	5	R12,R42,R61,R69,R73	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
19	1	R27	RES, 0603 383K OHMS 1% 1/10W	VISHAY CRCW0603383KFKEA
20	4	R29,R30,R39,R40	RES, 0603 10 OHMS 5% 1/10W	VISHAY CRCW060310R0JNEA
21	2	R31,R35	RES, 0603 15K OHMS 1% 1/10W	VISHAY CRCW060315K0FKEA
22	1	R43	RES, 0603 147K OHMS 1% 1/10W	VISHAY CRCW0603147KFKEA
23	2	Q3,Q1	XSTR, N-CHANNEL MOSFET	INFINEON BSC093N04LS
24	2	Q4,Q2	XSTR, N-CHANNEL MOSFET	INFINEON BSC093N04LS