

DC I668B-B Parts List

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
REQUIRED CIRCUIT COMPONENTS:				
1	1	CIN1	CAP, 150uF 20% 35V ALUM	SANYO 35ME150WXV=TS
3	2	CIN13,CIN18	CAP, 1210 22uF 20% 25V X5R	AVX 12103D226MAT2A
5	2	COU1,COU5	CAP, 1812 100uF 20% 6.3V X5R	TDK C4532X5R0J107MZ
10	2	COU20,COU21	CAP, 470uF 20% 4V POSCAP	SANYO POSCAP 4TPF470ML
29	2	R8	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
33	2	R18,R19	RES, 0603 10 OHMS 5% 1/10W	VISHAY CRCW060310R0JNEA
35	4	R30,R31,R32,R33	RES, 0603 100 OHMS 5% 1/10W	VISHAY CRCW0603100RJNEA
36	1	R34	RES, 0603 100K OHMS 5% 1/10W	VISHAY CRCW0603100KJNEA
37	1	R35	RES, 0805 0 OHM JUMPER	VISHAY CRCW08050000Z0EA
39	1	U5	IC, LTC6902CMS	LINEAR TECH LTC6902CMS
1	1	CIN20	CAP, 1210 22uF 20% 25V X5R	AVX 12103D226MAT2A
3	1	COU9	CAP, 1812 100uF 20% 6.3V X5R	TDK C4532X5R0J107MZ
5	1	COU22	CAP, 470uF 20% 4V POSCAP	SANYO POSCAP 4TPF470ML
7	1	C12	CAP, 0603 100pF 10% 50V NP0	AVX 06035A101KAT2A
9	1	C61	CAP, 0603 68pF 10% 50V NP0	AVX 06035A680KAT
10	1	C65	CAP, 0603 1000pF 10% 50V NP0	AVX 06035A102KAT2A
11	1	R1	RES, 0603 10k OHMS 1% 1/10W	VISHAY CRCW060310K0FKEA
12	1	R2	RES, 0603 13.3k OHMS 1% 1/10W	VISHAY CRCW060313K3FKEA
13	1	R3	RES, 0603 6.34k OHMS 1% 1/10W	VISHAY CRCW06036K34FKEA
14	1	R4	RES, 0603 4.42k OHMS 1% 1/10W	VISHAY CRCW06034K42FKEA
15	1	R12	RES, 0603 30.1k OHMS 1% 1/10W	VISHAY CRCW060330K1FKEA
16	1	R14	RES, 0603 20k OHMS 1% 1/10W	VISHAY CRCW060320K0FKEA
17	1	R29	RES, 0603 133K OHMS 1% 1/10W	VISHAY CRCW0603133KFKEA
18	3	U1,U2,U3	IC, MICRO MODULE	LINEAR TECH LTM4627EV
ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
13	2	C14,C38	CAP, 0603 0.1uF 20% 16V X7R	AVX 0603YC104MAT2A
15	1	C16	CAP, 0603 1uF 20% 10V X5R	TAIYO YUDEN LMK107BJ105MA-T

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18	1	C60	CAP, 0603 1000pF 10% 50V NP0	AVX 06035A102KAT2A
22	1	D1	DIODE, ZENER 350mW	DIODES INC. MMBZ5227B
28	1	R7	RES, 0805 2K OHMS 5% 1/10W	VISHAY CRCW08052K00JNEA
27	1	Q14	XSTR, SUD50N03-09CP MOSFET	SILICONIX SUD50N03-09CP-E3
31	1	R10	RES, 0603 10K OHMS 5% 1/10W	VISHAY CRCW060310K0JNEA
29	2	R20	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
32	3	R11,R16,R17	RES, 2512 0.015 OHM 1% 1W	VISHAY WSL2512R0150FEA
2	0	CIN2,CIN3	CAP, 1206 10uF 20% 35V X5R OPTION	TAIYO YUDEN GMK316BJ106ML-T OPTION
4	0	CIN14,CIN19,CIN21,CIN23	CAP, 1210 22uF 20% 25V X5R OPTION	AVX 12103D226MAT2A OPTION
6	0	COU2,COU3,COU6	CAP, 1812 100uF 20% 6.3V X5R OPTION	TDK C4532X5R0J107MZ OPTION
7	0	COU4,COU7,COU11, COU15	CAP, 1812 OPTION	TAIYO YUDEN JMK432BJ107MU-T OPTION
8	0	COU10,COU14	CAP, 1812 100uF 20% 6.3V X5R OPTION	TDK C4532X5R0J107MZ OPTION
9	0	COU19	CAP, 1206 OPTION	TAIYO YUDEN EMK316BJ475ML-T OPTION
11	0	COU23,COU26,COU27	CAP, 470uF 20% 4V POSCAP OPTION	SANYO POSCAP 4TPF470ML OPTION
12	0	COU24	CAP, 1812 OPTION	TAIYO YUDEN JMK316BJ226ML-T
14	0	C15	CAP, 0603 1uF 20% 10V X5R OPTION	TAIYO YUDEN LMK107BJ105MA-T OPTION
16	0	C18,C55,C56,C57,C58,C62, C74-C77	CAP, 0603 OPTION	OPTION
17	0	C59,C63,C66,C68	CAP, 0805 OPTION	OPTION
19	0	C64	CAP, 0603 1000pF 10% 50V NP0 OPTION	AVX 06035A102KAT2A OPTION
20	0	C69,C71,C72,C73	CAP, 150uF 20% 35V ALUM OPTION	SANYO 35MV150WXV OPTION
21	0	C70	CAP, 0603 0.22uF 20% 10V X5R OPTION	TAIYO YUDEN LMK107BJ224MA-T OPTION
30	0	R9,R13,R15,R23,R24	RES, 0603 51K OHMS 5% 1/10W OPTION	AAC CR16-513JM OPTION
34	0	R21,R22,R36	RES, 0603 OPTION	OPTION
2	0	CIN22,	CAP, 1210 22uF 20% 25V X5R OPTION	AVX 12103D226MAT2A OPTION
4	0	COU13	CAP, 1812 100uF 20% 6.3V X5R OPTION	TDK C4532X5R0J107MZ OPTION
6	0	COU25	CAP, 470uF 20% 4V POSCAP OPTION	SANYO POSCAP 4TPF470ML OPTION
8	0	R26,R27,C54,C67	CAP, 0603 OPTION	OPTION
HARDWARE				
23	6	JP1,JP2,JP3,JP4,JP5,JP8	HEADER,2PIN, 2mm	SAMTEC TMM 102-02-L-S
24	2	JP6,JP7	HEADER,3PIN, 2mm	SAMTEC TMM-103-02-L-S
25	4	J1,J2,J3,J4	STUD, PRESS-FIT	PEM KFH-032-10

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26	2	J5,J6	CONN,BNC,5 PINS	CONNEX 112404
38	10	TP1-TP8,TP13,TP14	TURRET	MILL MAX 2501-2-00-80-00-00-07-0
40	3	JP1,JP6,JP7	SHUNT, 2mm	SAMTEC 2SN-BK-G
41	4		STANDOFF, SNAP ON	KEYSTONE_8834
42	8	J1,J2,J3,J4	NUT, BRASS #10-32	ANY
43	4	J1,J2,J3,J4	WASHER, BRASS #10	ANY
44	4	J1,J2,J3,J4	LUG, RING	KEYSTONE 310 PbF