

## DC804A GENERAL BILL OF MATERIALS

1/21/2011

M.C.

Item	Qty	Ref -Des	Desc	Manufacturer's Part Number
1	1	C1	CAP, 4.7uF 20% 63V ELEC	PANASONIC EEV-FK1J4R7R
2	1	C2	CAP, 1206 100nF 20% 100V X5R	TAIYO YUDEN HMK316BJ104ML-T
3	1	C3	CAP, 0805 470pF 10% 50V NPO	AVX 08055A471KAT
4	1	C4	CAP, 1210 100uF 20% 6.3V X5R	TDK C3225X5R0J107M
5	1	C8	CAP, 0805 4.7uF 20% 10V X5R	AVX 0805ZD475MAT
6	1	C9	CAP, 1812 1uF 20% 100V X7R	TDK C4532X7R2A105M
7	1	C10	CAP, 0603 0.022uF 10% 16V X7R	AVX 00603YC223KAT
8	1	C11	CAP, 0603 270pF 5% 50V NPO OPTION	AVX 06035A271JAT OPTION
9	1	C12	CAP, 0603 2.2nF OPTION	OPTION
10	1	C13	CAP, 0603 0.027uF 10% 25V X7R	AVX 06033C273KAT
11	1	C14	CAP, 0603 OPTION	OPTION
12	1	C15	CAP, 1812 2.2nF 10% 250VAC X7R TYPE "Y2"	MURATA GA343DR7GD222KW01L
13	1	C16	CAP, 0603 0.033uF 10% 25V X7R OPTION	AVX 06033C333KAT OPTION
14	1	C17	CAP, 0805 10uF 20% 6.3V X5R	TAIYO YUDEN JMK212BJ106MG-T
15	2	C19,C23	CAP, 0603 0.1uF 20% 16V X7R	AVX 0603YC104MAT2A
16	2	C20,C21	CAP, 0603 0.1uF 10% 25V X7R OPTION	TAIYO YUDEN TMK107BJ104KA-T OPTION
17	1	C22	CAP, 0603 0.027uF 10% 25V X7R OPTION	AVX 06033C273KAT OPTION
18	2	D1,D8	RECTIFIER, BRIDGE, PASSIVATED	DIODES INC. HD01
19	1	D2	DIODE, TRANSIENT VOLTAGE SUPPRESSOR 400W	DIODES INC. SMAJ58A
20	1	D3	DIODE, ZENER 8.2V	DIODES INC. MMSZ5237BS
21	1	D4	DIODE, ZENER 5.1V	CENTRAL SEMI CMDZ5L1-LTS
22	3	D6,D9,D11	DIODE, HIGH SPEED	PHILIPS SEMI BAS516
23	1	D7	LED, GREEN	PANASONIC LN1351C-(TR)
24	1	D10	REGULATOR, LOW VOLTAGE	ZETEX ZR431LF02TA
25	1	D14	DIODE, 0.5A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER	DIODES INC. B0540W
26	1	ISO2	IC, OPTO ISOLATOR	NEC SEMI PS2911-1-F3
27	5	JP1,JP2,JP3,JP4,JP0	HEADER,2PIN, 2mm	SAMTEC TMM-102-02-L-S
28	2	JP5,JP6	HEADER,3 PINS 2mm	SAMTEC TMM-103-02-L-S
29	1	J1	JACK, PULSE	PULSEJACK JK0-0044
30	1	J2	CONN,RJ-45	STEWART CONN. SYS.,SS-6488-NF-K1
31	1	L1	IND, 3.3uH	TAIYO YUDEN LQLBC2518T3R3M
32	1	L2	FERRITE BEAD, 110 OHMS +/-25%	TAIYO YUDEN FBMJ4516HS111-T
33	1	Q1	XSTR, NPN	DIODES INC. MMBTA42
34	1	Q2	XSTR, MOSFET, N-CHANNEL	VISHAY SILICONIX Si3440DV
35	1	Q3	XSTR, 2N7002T N-CHANNEL MOSFET	DIODES INC. 2N7002T
36	1	Q4	XSTR, OPTION	OPTION
37	1	Q5	XSTR, NPN BIPOLAR TRANS	ON SEMI MMBT3904LT1
38	1	R1	RES, 1206 24.9K OHM 1% 1/8W OPTION	AVX CR18-2492FM OPTION

## DC804A GENERAL BILL OF MATERIALS

1/21/2011

*M.C.*

39	2	R2,R3	RES, 0805 220K OHM 5% 1/10W	AAC CR10-224JM
40	1	R5	RES, 0805 10 OHM 5% 1/10W	AAC CR10-100JM
41	1	R6	RES, 0805 150 OHM 5% 1/8W	AAC CR10-151JM
42	1	R7	RES,0603 8.06K 1% 1/16W	AAC CR16-8061FM
43	2	R8,R17	RES, 0603 10K OHM 5% 1/10W	AAC CR16-103JM
44	1	R9	RES, 1206 150 OHM 5% 1/16W	AVX CR18-151JM
45	1	R10	RES, 1210 33 OHM 5% 1/2W	VISHAY CRCW121033RJ
46	2	R12,R26	RES, 0603 1.5K OHM 5% 1/16W	VISHAY CRCW06031K50JNEA
47	1	R13	RES, 0603 100K OHM 1% 1/10W	KOA RK73H1JTTD1003F
48	1	R14	RES,0603 6.8K OHM 5% 1/16W	KOA RK73B1JTTD682J
49	1	R15	RES, 0603 15K OHM 1% 1/16W OPTION	AAC CR16-1502FM OPTION
50	1	R16	RES, 0603 200K OHM 1% 1/10W	PANASONIC ERJ-3EKF2003V
51	1	R18	RES, 0603 47K OHM 5% 1/16W	AAC CR16-473JM
52	1	R19	RES, 0603 60.4K OHM 1% 1/16W	KOA RK73H1JTTD6042F
53	1	R20	RES, 0603 124 OHM 1% 1/16W	AAC CR16-1240FM
54	1	R21	RES, 0603 68.1 OHM 1% 1/10W	AAC CR16-68R1FM
55	1	R22	RES, 0603 45.3 OHM 1% 1/10W	AAC CR16-45R3FM
56	1	R23	RES, 0603 30.9 OHM 1% 1/10W	AAC CR16-30R9FM
57	1	R25	RES, 0603 3 OHM 5% 1/10W	VISHAY CRCW06033R00JNEA
58	1	R27	RES, 0603 1K OHM 5% 1/16W OPTION	AAC CR16-102JM OPTION
59	16	TP1-TP16	TURRETS	MILLMAX 2501-2
60	1	U1	IC, LTC4267CDHC	LINEAR TEC. LTC4267CDHC
61	1	U2	IC, LT4430ES6 OPTION	LINEAR TECH LT4430ES6 OPTION
62	4		STANDOFF, SNAP ON	KEYSTONE_8831

Item	Qty	Ref -Des	Desc	Manufacturer's Part Number
1	1	C18	CAP, 1210 100uF 20% 6.3V X5R	TDK C3225X5R0J107M
2	1	C5	CAP, ELEC 220uF 4V 20%	SANYO OSCON 4SP220M
3	1	C6	CAP, 1206 68pF 5% 200V NPO	AVX 12062A680JAT2A
4	1	D5	DIODE, B320A SCHOTTKY RECTIFIER SMA	DIODES INC. B320A
5	1	R4	RES, 1206 200 OHM 5% 1/8W	AAC CR18-201JM
6	1	R11	RES, 0805 0.15 OHM 1% 1/4W	THIN FILM TECH. RL1220S-R15-F
7	1	T1	TRANSFORMER	PULSE PA1130/PA1133/PA1136