CARVIN Carvin Corp.	12340 World Trade Drive San Diego, CA 92128 (858) 487-1600 carvinaudio.com
DCM D series CLASS D & RX, XP,C **FLAT PCB DESIGN**	**BX1600**
DRAWN BY: GEORGE DREYER	DATE: 18 JUl 2008
APPROVED:	DATE:
PCB NO: 30-02004	REV: O
ASSY. NO: see below	REV:
REVISED BY: GEORGE DREYER	DATE: 10Sept11

80-02015 BX1600(120VAC) 2 CHANNEL BASS AMP
80-02105 BX1600-E(240VAC) 2 CHANNEL BASS AMP

NOTE CHANNEL NUMBERS ON PRODUCT VS SCHEMATIC NOT ALWAYS THE SAME.
THIS PCB IS USED FOR OTHER ASSEMBLIES NOT LISTED.

Rev K and L are the new FAN7387 power supply chip.

4. ADDED AS SECONDARY OPERATION.

2. ALL CAPACITORS IN MICORFARADS, EXCEPT AS NOTED.

1. ALL RESISTORS IN OHMS
NOTES: UNLESS OTHERWISE SPECIFIED.

FOR DCM-LX SERIES THE FRONT CONTROL AND REAR INPUT SECTIONS ARE NOT STUFFED

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80-02004/05/06 R10, R99, R74, R76 = 22K; R96, R115, R75, R77 = 24K
80-02002/03/01 R10, R99 = 22K; R96, R115 = 18K

80-02006/26 "DCM2004L/Lx-J" R137, R237, R537 and R637 are 330ohm
80-02002/03/01 "L" R135 and R235 are 3.3K
80-02022/23/21 "Lx" R135 and R235 are 3.9K

DCM1000L R151 and R251 changes to 8.2K

Speakon Jumpers : SPEAKON PINS USED/CHANNEL NUMBER

	B1	B2	B3	B4	B5	B6	B7	J102	J202	J302	J402
80-02004/05/24/25	jmp	jmp	n/u	n/u	n/u	n/u	jmp	2PIN/CH2	2PIN/CH4	4PIN/CH1	4PIN/CH3
80-0201216	n/u	n/u	n/u	n/u	n/u	n/u	jmp	2PIN/CH2	2PIN/CH4	2PIN/CH1	2PIN/CH3
80-02010	n/u	n/u	n/u	n/u	n/u	n/u	jmp	2PIN/CH1	2PIN/CH3	N/U	2PIN/CH2
80-02000;03/22/23	n/u	n/u	n/u	jmp	jmp	jmp	jmp	4PIN/CH1	2PIN/CH2	2PIN/BRGD	2PIN/BRGD
80-02015	n/u	n/u	n/u	jmp	jmp	n/u	n/u	2PIN/CH1	2PIN/CH2	N/U	2PIN/BRGD

Channel is product channel #; Jack is speakon jack Ref Des/ amp is schematic amp

	CH1 jack/amp	CH2 jack/amp	CH3 jack/amp	CH4 jack/amp	bridge/jack	binding post
80-02004/05/24/25	J301/amp3	J102/AMP1	J402/AMP4	J202/amp2	N/U	N/U
80-02012/16	J301/amp3	J102/AMP1	J402/AMP4	J202/amp2	N/U	N/U
80-02010	J102/AMP1	J402/AMP4	J202/amp2	N/U	N/U	N/U
80-02002/03/22/23	J102/amp1	J202/AMP2	N/U	N/U	J402	YES
80-02015	J102/amp1	J202/AMP2	N/U	N/U	J402	N/U

R351 changes for AKM DSP FX

80-02010/02110	680	
80-02012/02112	680	
80-02016/02116	1K	
80-02216	1K	10K

Secondary on 80-02004 (DCM2004L) 1uF from -15V to GND on A1
Secondary to remove sig LED's coming on with no sig.

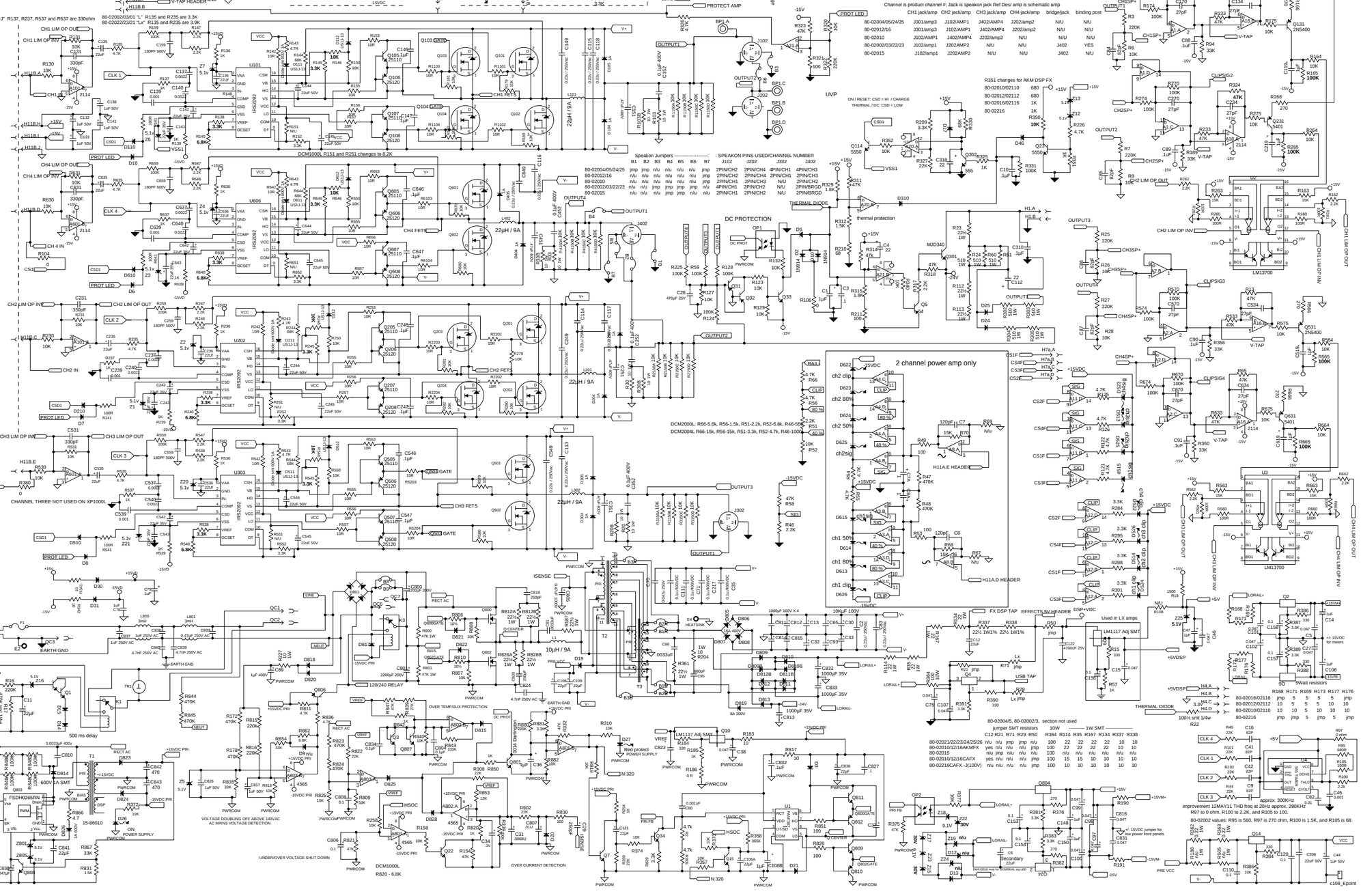
80-02022/23/21 "Lx" limiter latter values changed
R9=8.2K, R202=100K, R218=0, R133,R233=68K, R5=22K

	R168	R171	R169	R173	R177	R176
80-02016/02116	jmp	5	5	5	5	jmp
80-02012/02112	10	5	5	5	10	10
80-02010/02110	10	10	5	10	10	10
80-02216	jmp	jmp	5	jmp	5	jmp

80-02004/5, 80-020023, section not used

jumper SMT resistors	10W		---------- 1W SMT ----------					
	C12	R21	R71	R29	R50	R364	R114	R35	R167	R134	R337	R338
80-02021/22/23/24/25/26	n/u	n/u	jmp	jmp	n/u	100	22	22	22	22	10	10
80-02010/12/16AKMFX	yes	n/u	n/u	jmp	jmp	100	22	22	22	22	10	10
80-02015	yes	jmp	n/u	n/u	n/u	100	n/u	n/u	n/u	n/u	n/u	n/u
80-02010/12/16CAFX	yes	n/u	n/u	n/u	jmp	100	15	15	10	10	10	10
80-02216CAFX -X(100V)	n/u	n/u	n/u	n/u	jmp	100	10	10	10	10	10	10

DCM2000L: R66-5.6k, R56-1.5k, R51-2.2k, R52-6.8k, R46-56k
DCM2004L R66-15k, R56-15k, R51-3.3k, R52-4.7k, R46-100k

DCM1000L
R820 - 6.8K

2 channel power amp only