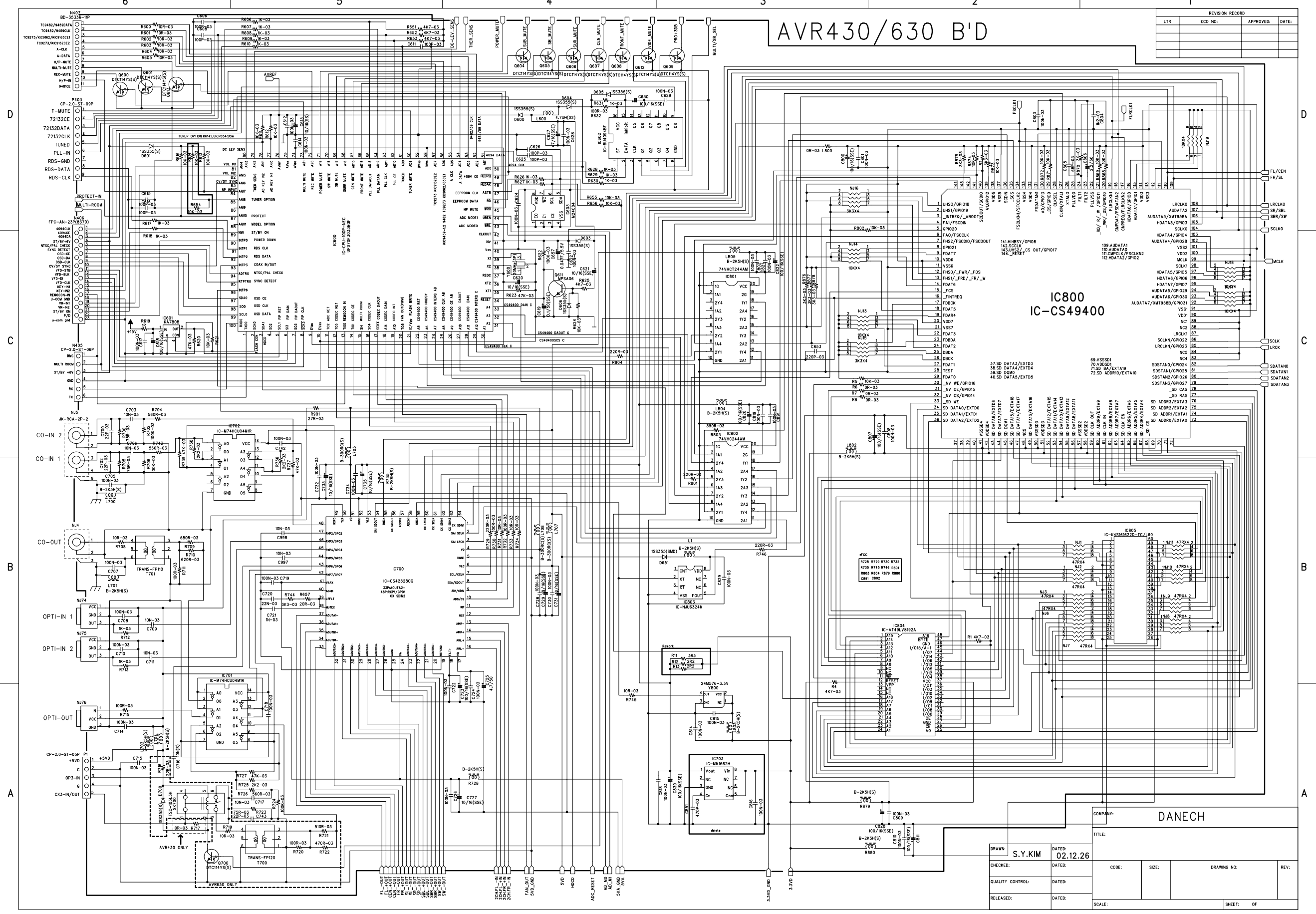


AVR430/630 B'D

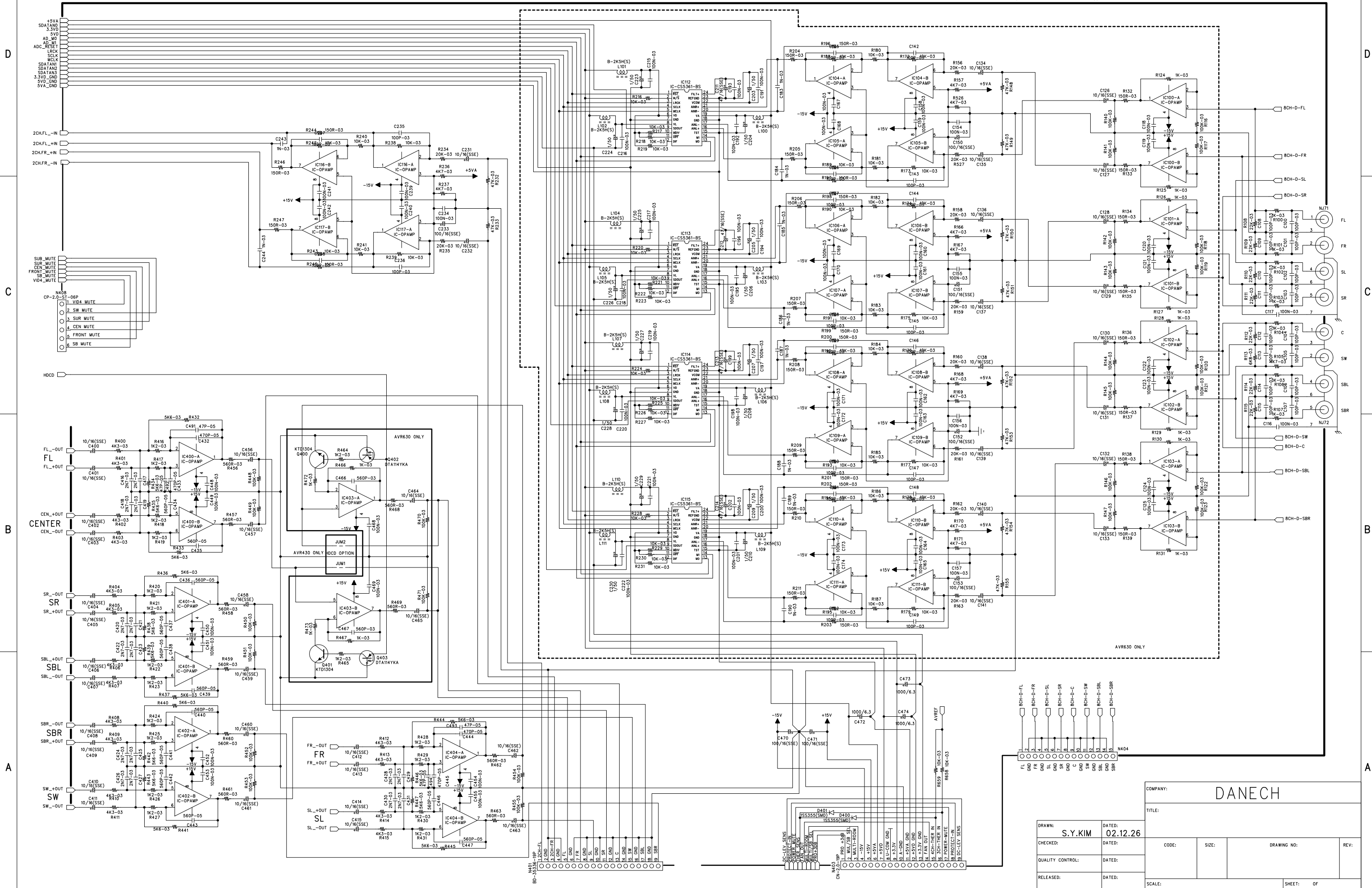
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



COMPANY:	DANECH			
TITLE:				
SCALE:				
DRAWN:	S.Y.KIM	DATED:	02.12.26	
CHECKED:		DATED:		
QUALITY CONTROL:		DATED:		
RELEASED:		DATED:		
CODE:		SIZE:		DRAWING NO:
				REV:

harman/kardon
AVR430/630DSP#2

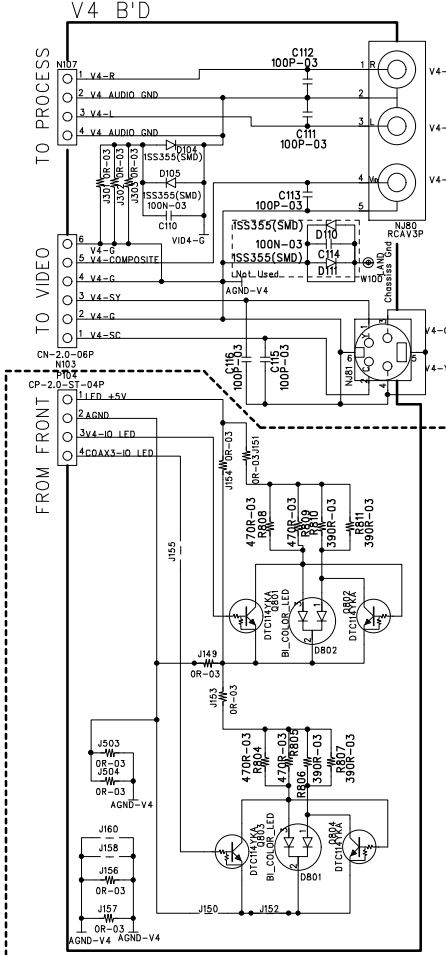
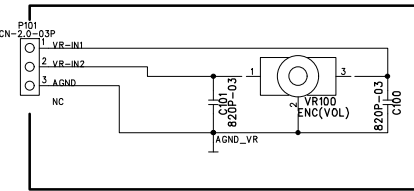
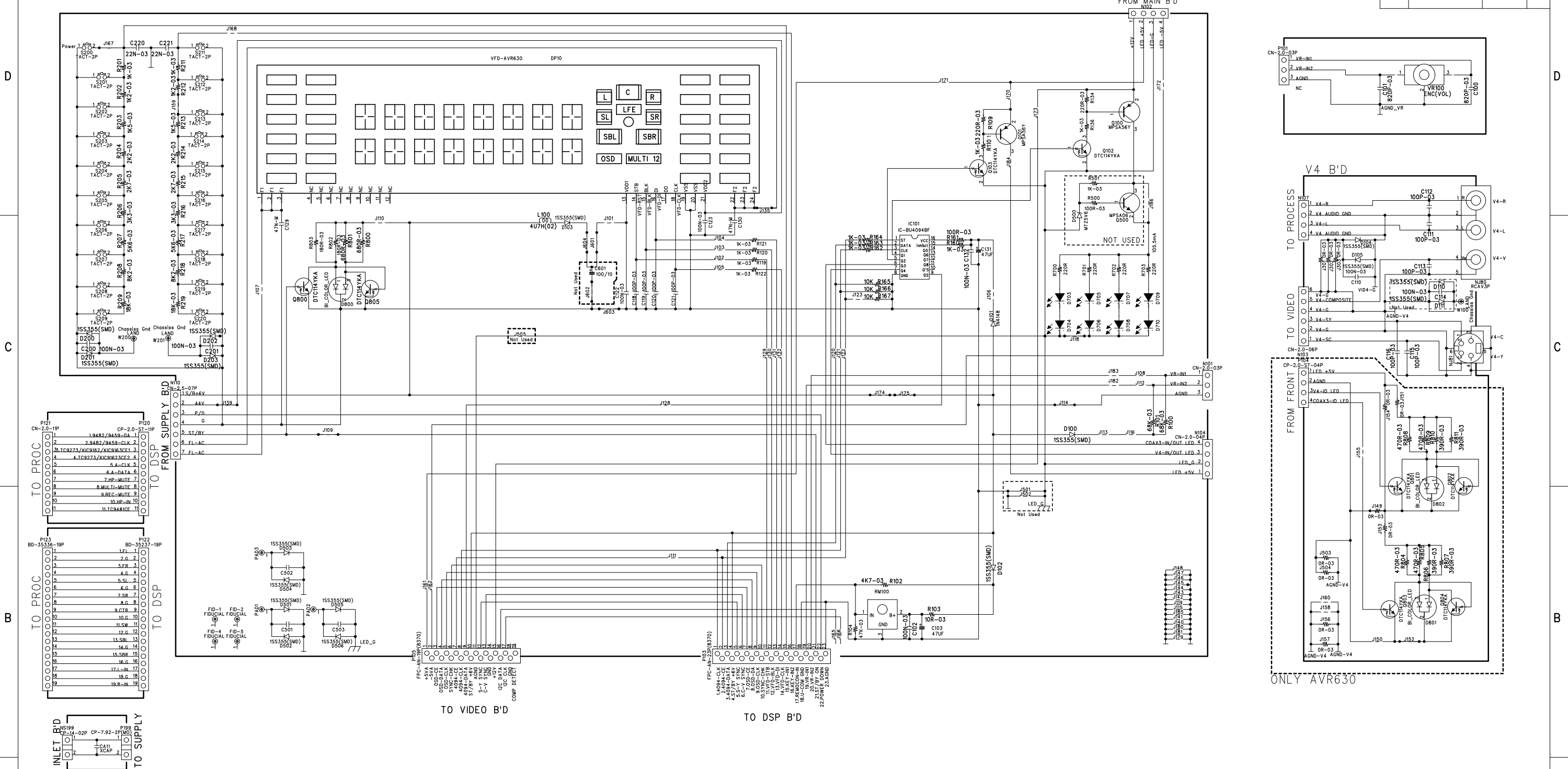
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE



SCHEMATIC DIAGRAM

harman/kardon
AVR430/630 FRONT

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

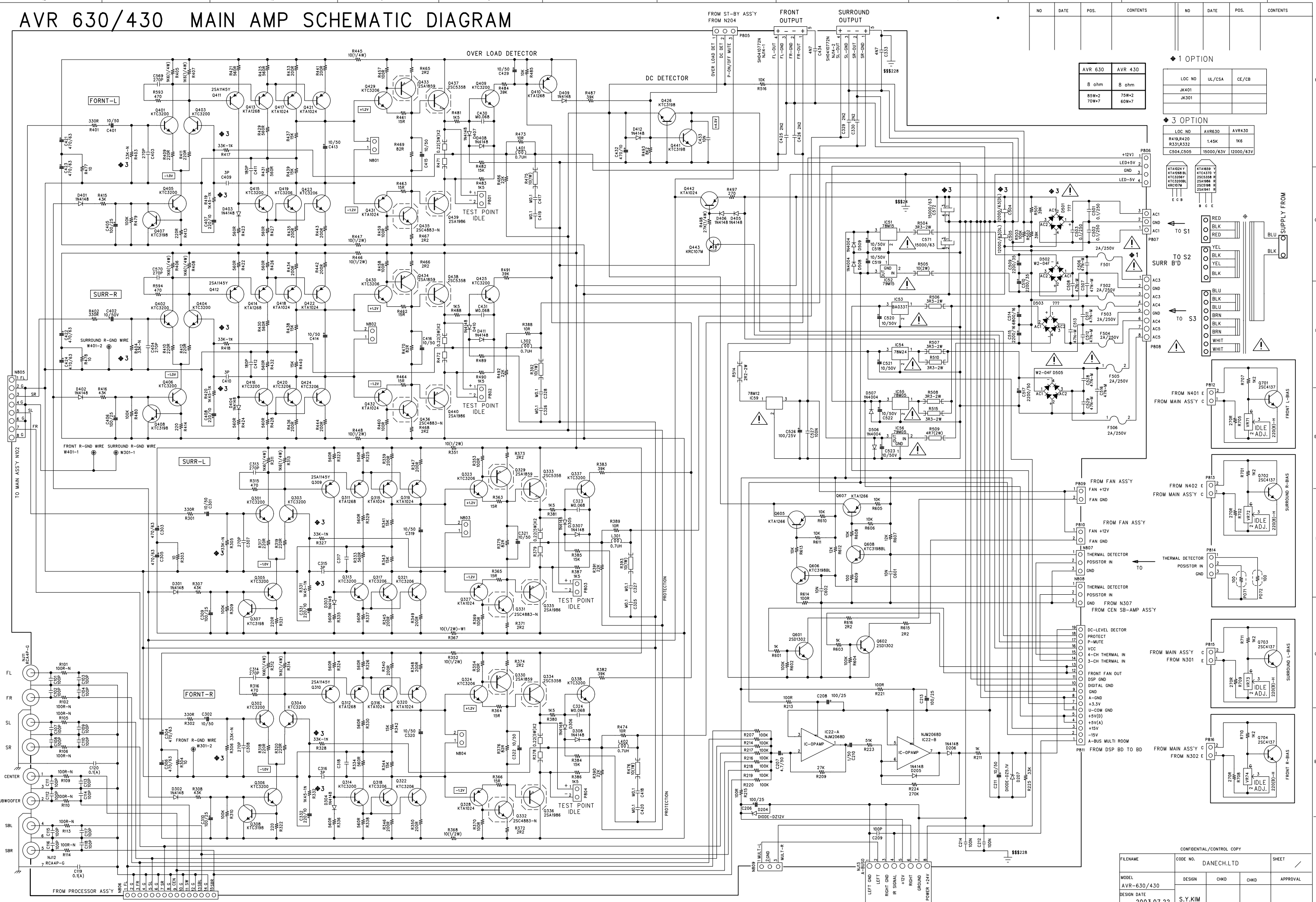


ONLY AVR630

COMPANY: DANECH INC	
TITLE: AVR630/430 FRONT B'D	
CODE:	SIZE:
DRAWING NO:	
REV:	
SCALE: FTMS	
SHEET: 1 OF 1	

DRAWN: K.H.PARK	DATED: FEB.18.2003
CHECKED: S.Y.KIM	DATED: Mar.03.2003
QUALITY CONTROL:	DATED: Apr.01.2003
RELEASED:	DATED:

AVR 630/430 MAIN AMP SCHEMATIC DIAGRAM



AVR 630	AVR 430
8 ohm	8 ohm
85W+2	75W+2
70W+7	60W+7

1 OPTION			
LOC NO	UL/CSA	CE/CB	
JK401			
JK301			

3 OPTION			
LOC NO	AVR630	AVR430	
R419,R420	1.45K	1K6	
R331,R332			
C504,C505	15000/63V	12000/63V	

KT4024 Y	KT4024 Y	KT4024 Y	KT4024 Y
KT4024 Y	KT4024 Y	KT4024 Y	KT4024 Y
KT4024 Y	KT4024 Y	KT4024 Y	KT4024 Y
KT4024 Y	KT4024 Y	KT4024 Y	KT4024 Y

TO S1	TO S2	TO S3
RED	RED	RED
BLK	BLK	BLK
YEL	YEL	YEL
BLK	BLK	BLK
BLU	BLU	BLU
BLK	BLK	BLK
BRN	BRN	BRN
WHIT	WHIT	WHIT

FROM N401 E	FROM MAIN ASS'Y C
FROM N402 E	FROM MAIN ASS'Y C
FROM N403 E	FROM MAIN ASS'Y C
FROM N404 E	FROM MAIN ASS'Y C
FROM N405 E	FROM MAIN ASS'Y C

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
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FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

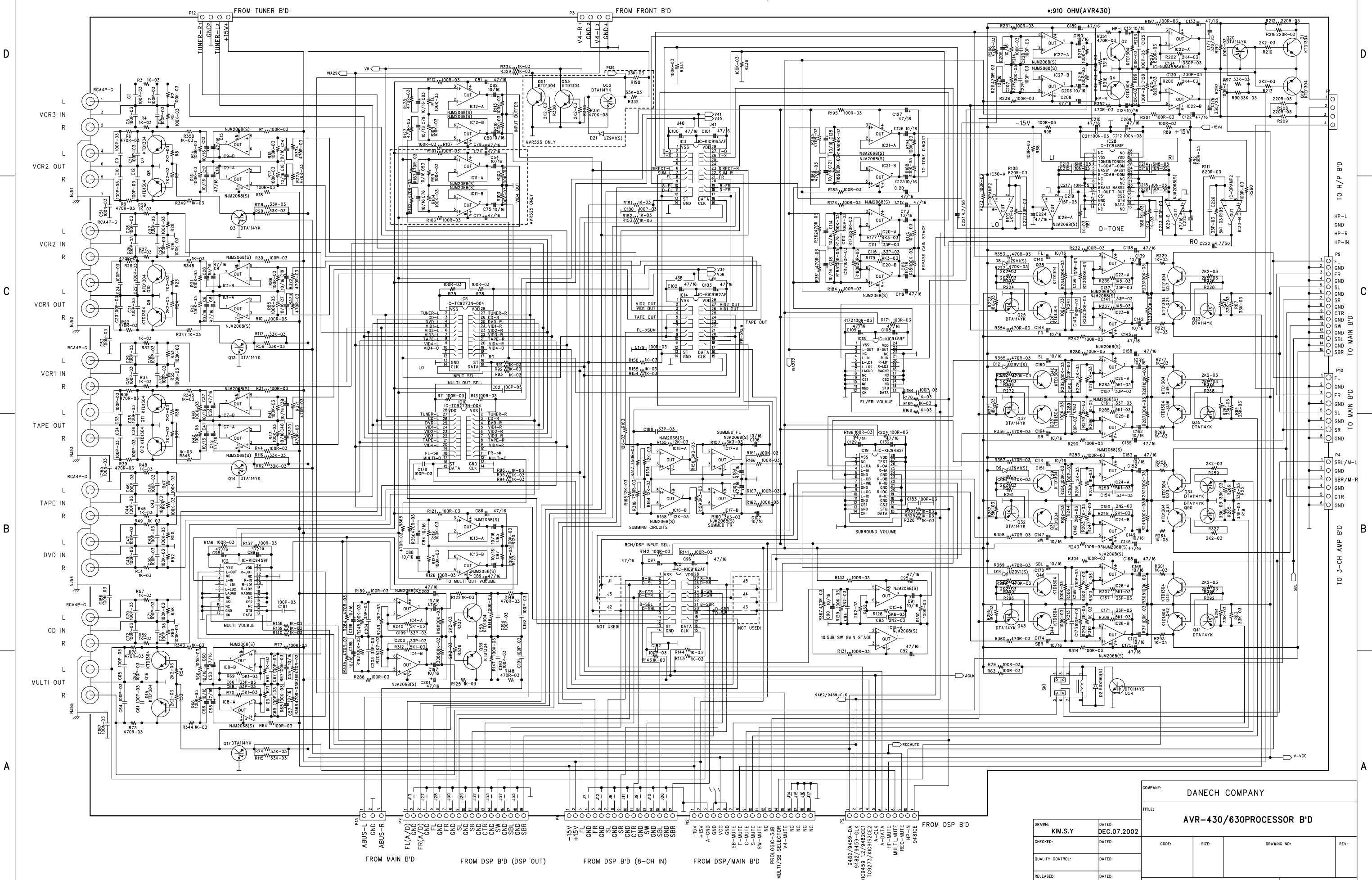
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FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND
FROM FAN ASS'Y	FAN +12V	FAN GND

CONFIDENTIAL/CONTROL COPY				
FILENAME	CODE NO.	DANECH.LTD		SHEET
MODEL	DESIGN	CHKD	CHKD	APPROVAL
AVR-630/430				
DESIGN DATE	2003.07.22			
	S.Y.KIM			

TTC

SCHEMATIC DIAGRAM AVR430/630

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



COMPANY:		DANECH COMPANY	
TITLE:		AVR-430/630PROCESSOR B'D	
DRAWN:	KIM.S.Y	DATED:	DEC.07.2002
CHECKED:		DATED:	
QUALITY CONTROL:		DATED:	
RELEASED:		DATED:	
SCALE:		SHEET:	OF

I

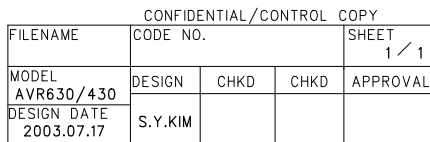


1 J104 2
1 J106 2
1 J107 2
1 J109 2



1

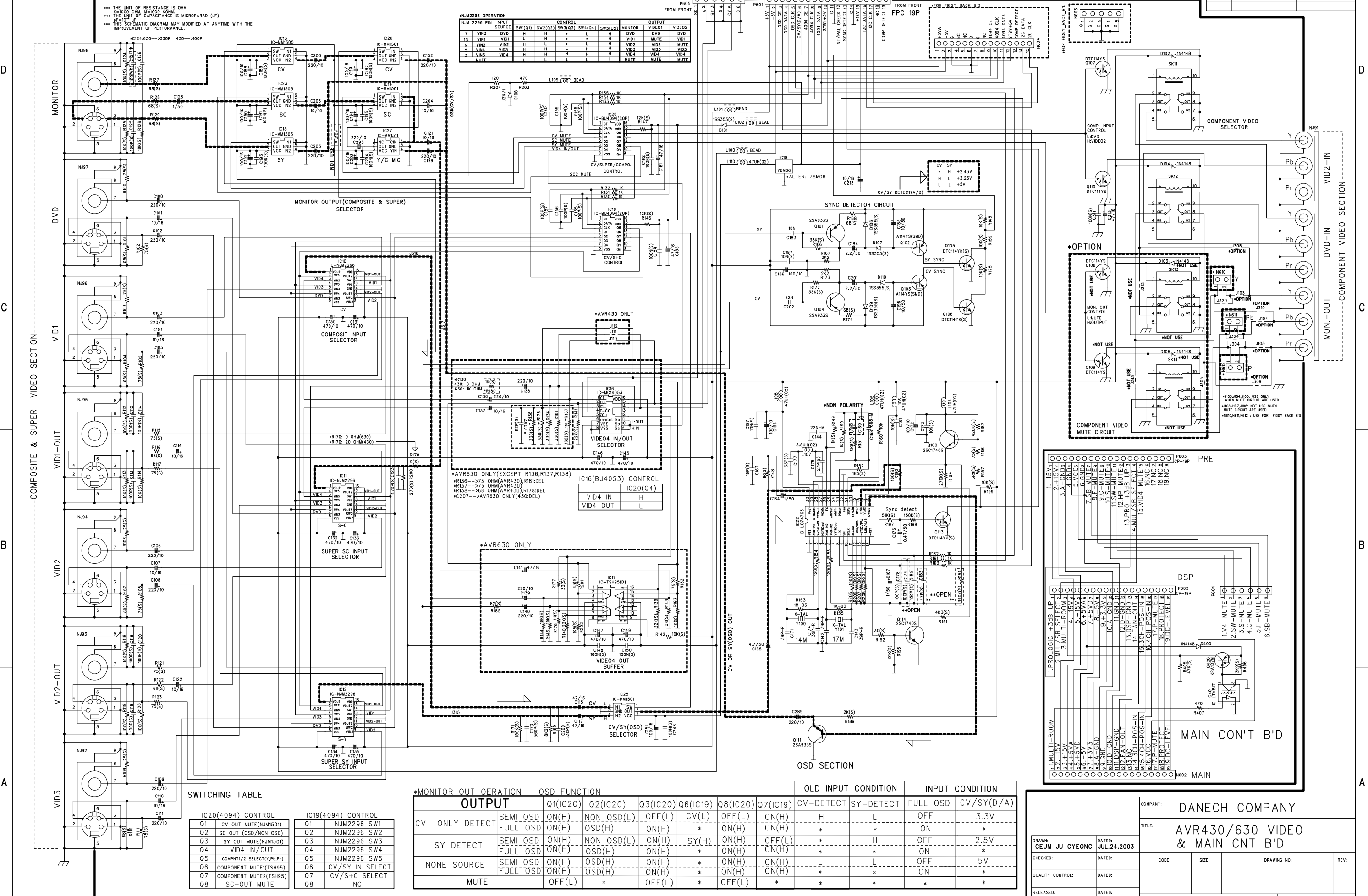
A	
B	
C	
D	
E	
F	
G	
H	



SCHEMATIC DIAGRAM

harman/kardon
AVR430/630 VIDEO1

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



SWITCHING TABLE

IC20(4094) CONTROL		IC19(4094) CONTROL	
Q1	CV OUT MUTE(NJM1501)	Q1	NJM2296 SW1
Q2	SC OUT (OSD/NON OSD)	Q2	NJM2296 SW2
Q3	SY OUT MUTE(NJM1501)	Q3	NJM2296 SW3
Q4	VID4 IN/OUT	Q4	NJM2296 SW4
Q5	COMPNT1/2 SELECT(Y,Pb,P)	Q5	NJM2296 SW5
Q6	COMPONENT MUTE(TSH95)	Q6	CV/SY IN SELECT
Q7	COMPONENT MUTE2(TSH95)	Q7	CV/S+/-C SELECT
Q8	SC-OUT MUTE	Q8	NC

*MONITOR OUT OPERATION - OSD FUNCTION

OUTPUT		OLD INPUT CONDITION					INPUT CONDITION	
CV ONLY DETECT	Q1(IC20)	Q2(IC20)	Q3(IC20)	Q6(IC19)	Q8(IC20)	Q7(IC19)	CV-DETECT	SY-DETECT
SEMI OSD	ON(H)	NON OSD(L)	OFF(L)	CV(L)	OFF(L)	ON(H)	H	L
FULL OSD	ON(H)	OSD(H)	ON(H)	*	ON(H)	ON(H)	*	*
SY DETECT	SEMI OSD	ON(H)	NON OSD(L)	SY(H)	ON(H)	OFF(L)	*	H
FULL OSD	ON(H)	OSD(H)	ON(H)	*	ON(H)	ON(H)	*	*
NONE SOURCE	SEMI OSD	ON(H)	OSD(H)	ON(H)	ON(H)	ON(H)	L	L
FULL OSD	ON(H)	OSD(H)	ON(H)	*	ON(H)	ON(H)	*	*
MUTE	OFF(L)	*	OFF(L)	*	OFF(L)	*	*	*

MAIN CONT B'D

DRAWN: GEUM JU GYEONG		DATED: JUL.24.2003	
CHECKED:	DATED:	CODE:	SIZE:
QUALITY CONTROL:	DATED:	STAGE:HMS	TOTAL SHEET:
RELEASED:	DATED:	COMPANY: DANECH COMPANY	
TITLE: AVR430/630 VIDEO & MAIN CNT B'D			

6

5

4

3

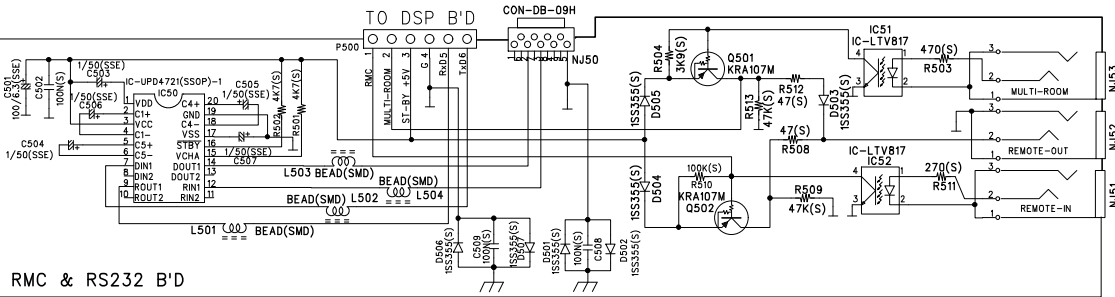
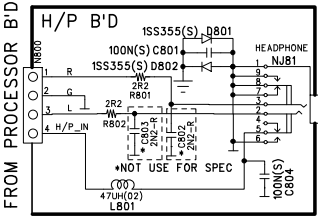
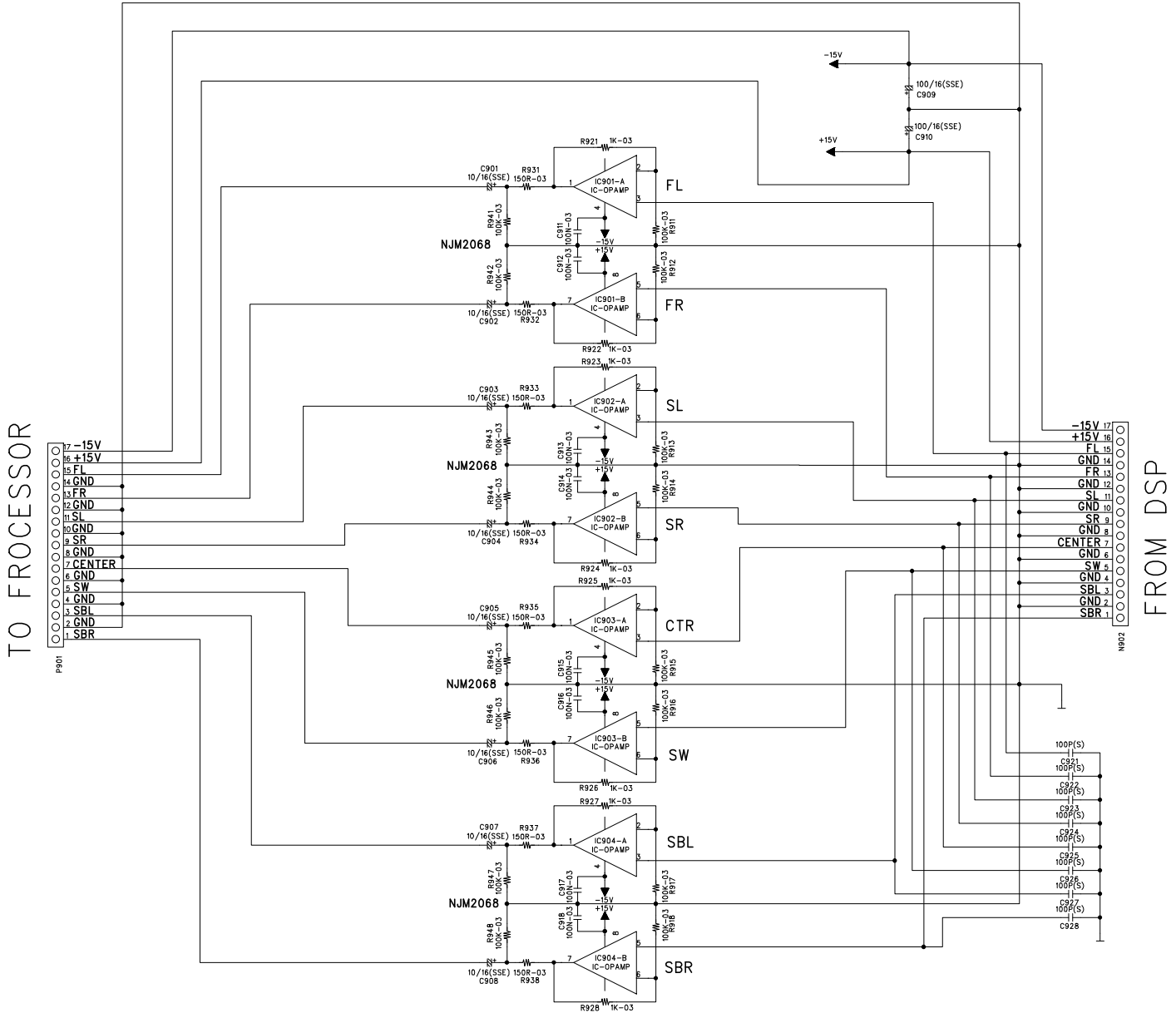
2

1

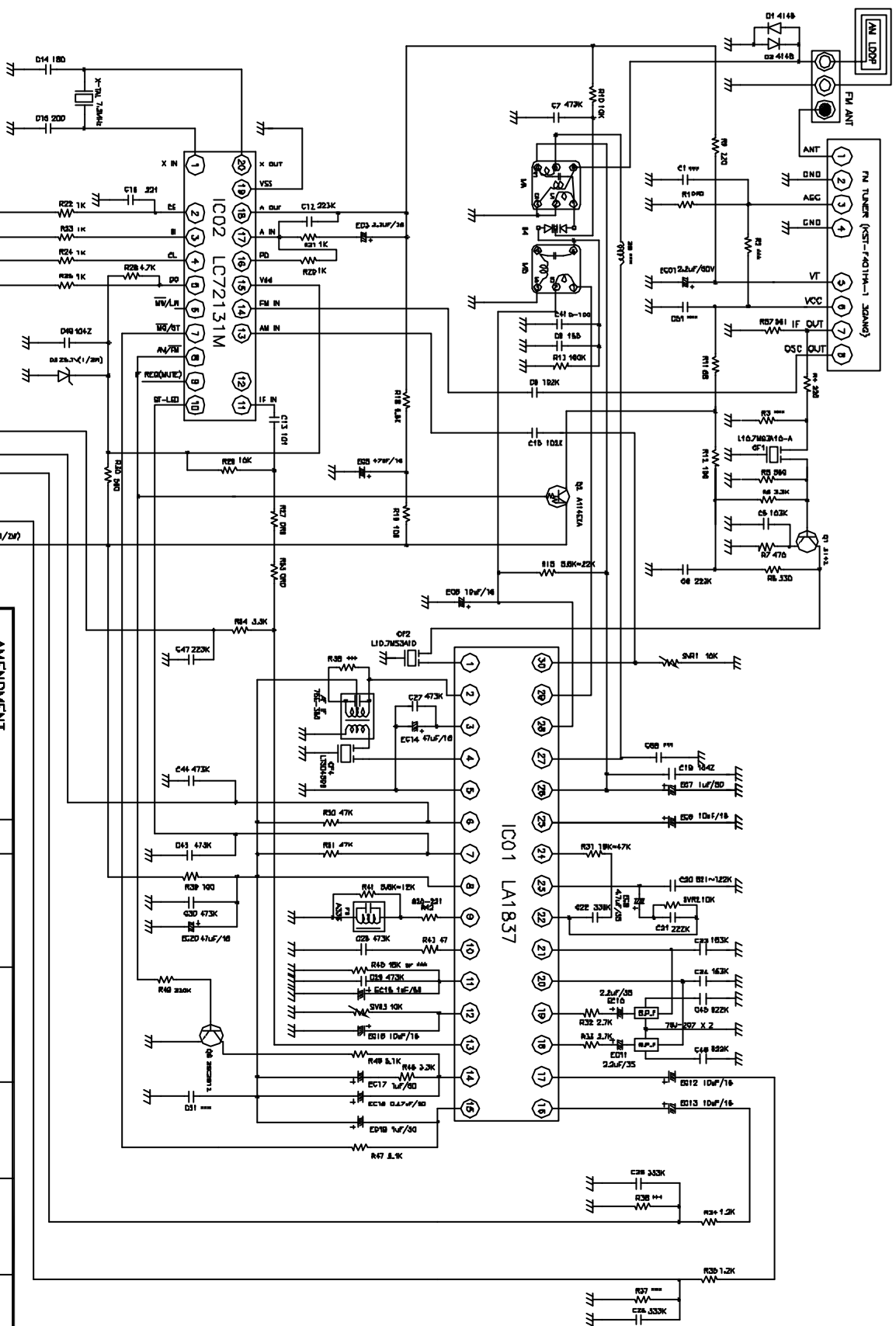
AVR430/630 VIDEO2(RMC,HP,8CH CNT B'D)

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

8CH-DVD CNT B'D



COMPANY: DANECH COMPANY			
TITLE: AVR430/630 VIDEO2(RMC,8CH-CNT,HP,8CH-DVD CNT)			
DRAWN: GEUM JU GYEONG	DATED: MAY.07.2003	CODE:	SIZE:
CHECKED:	DATED:	DRAWING NO:	REV:
QUALITY CONTROL:	DATED:		
RELEASED:	DATED:		
STAGE: TMS			SHEET: 5 OF 10



AMENDMENT																	
	NO	PART'S NO	PART'S NAME	MATERIAL	SIZE	TREATMENT	REMARK										
	MODEL NO : KST-MB01MWD-01												UNIT: mm	SCALE:	DATE: 2002.09.06		
	DRAWN		DESIGN	CH	CHANGED	APPROVED	DRAW NO			KSD-M05B-672							
						NAME			SCHEMATIC DIAGRAM								

*Note: The Component values of this Schematic diagram are subject to change without notice for improvement.

2003.05.14
(株)光星電子
技術部

KWANG SUNG ELECTRONICS CO.,LTD.