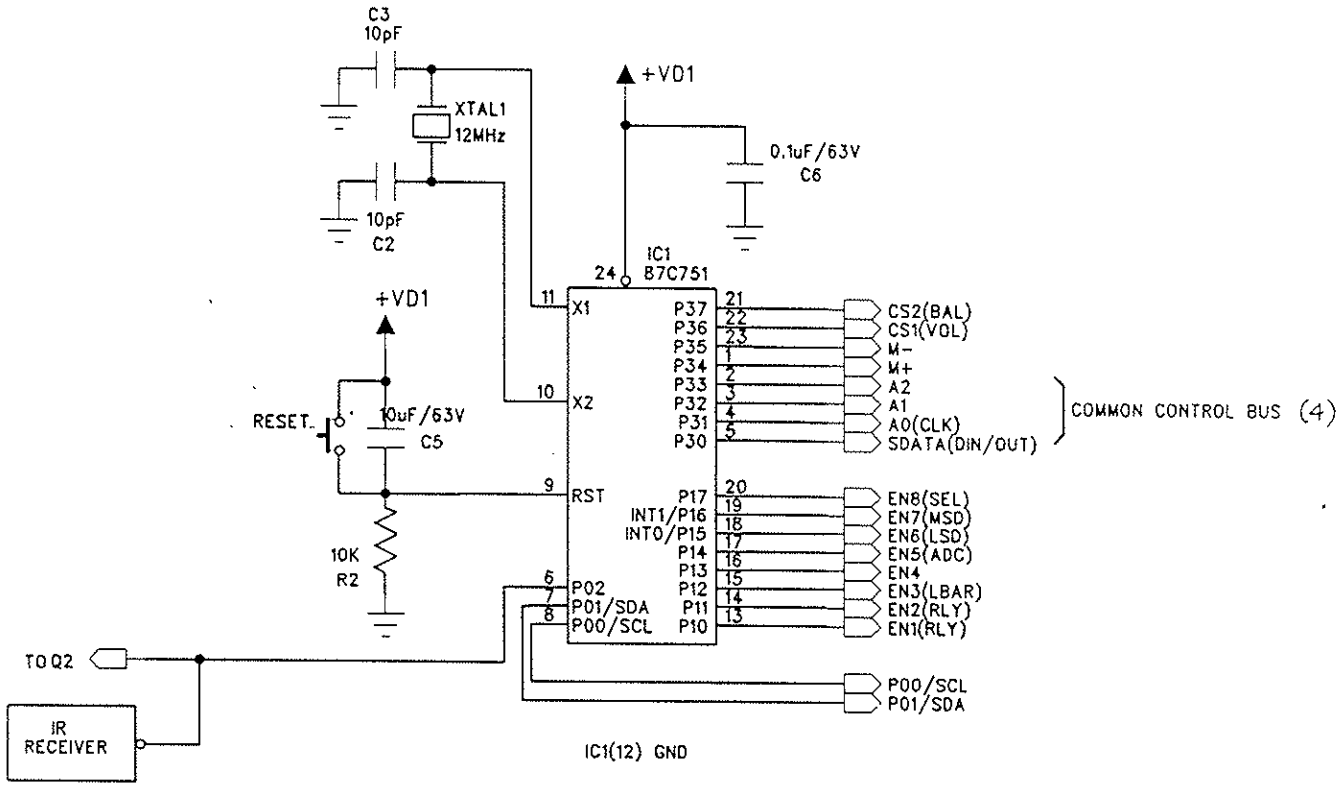
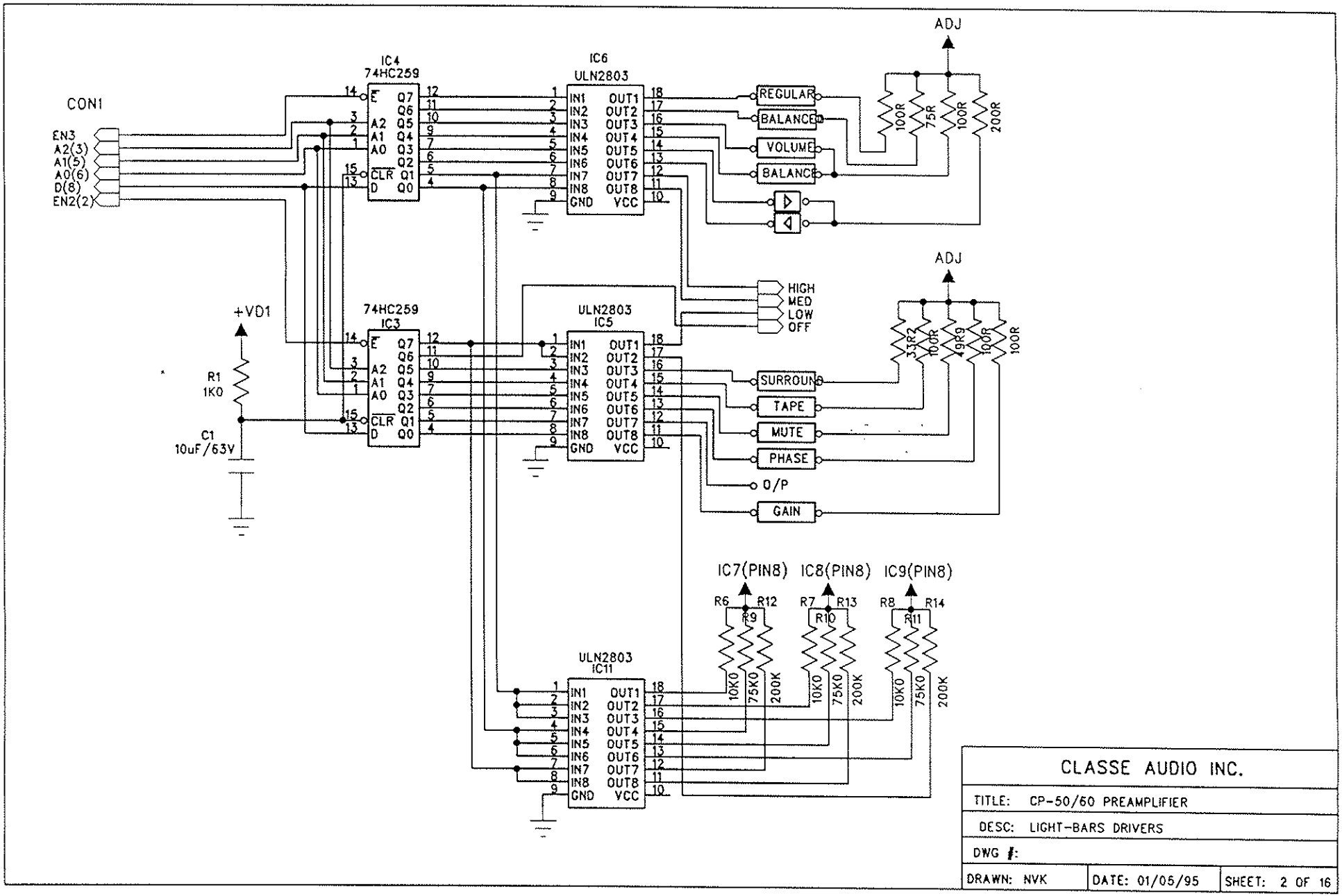
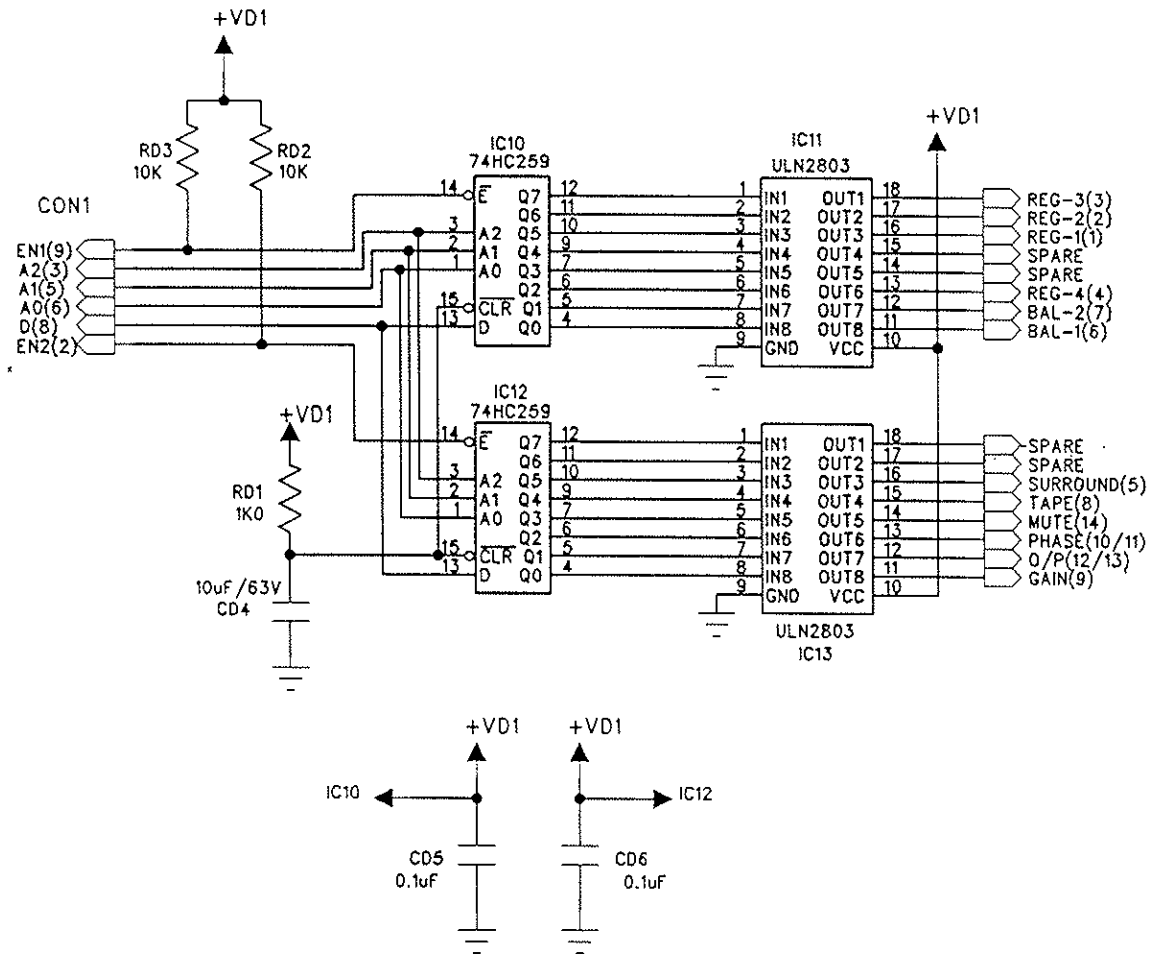


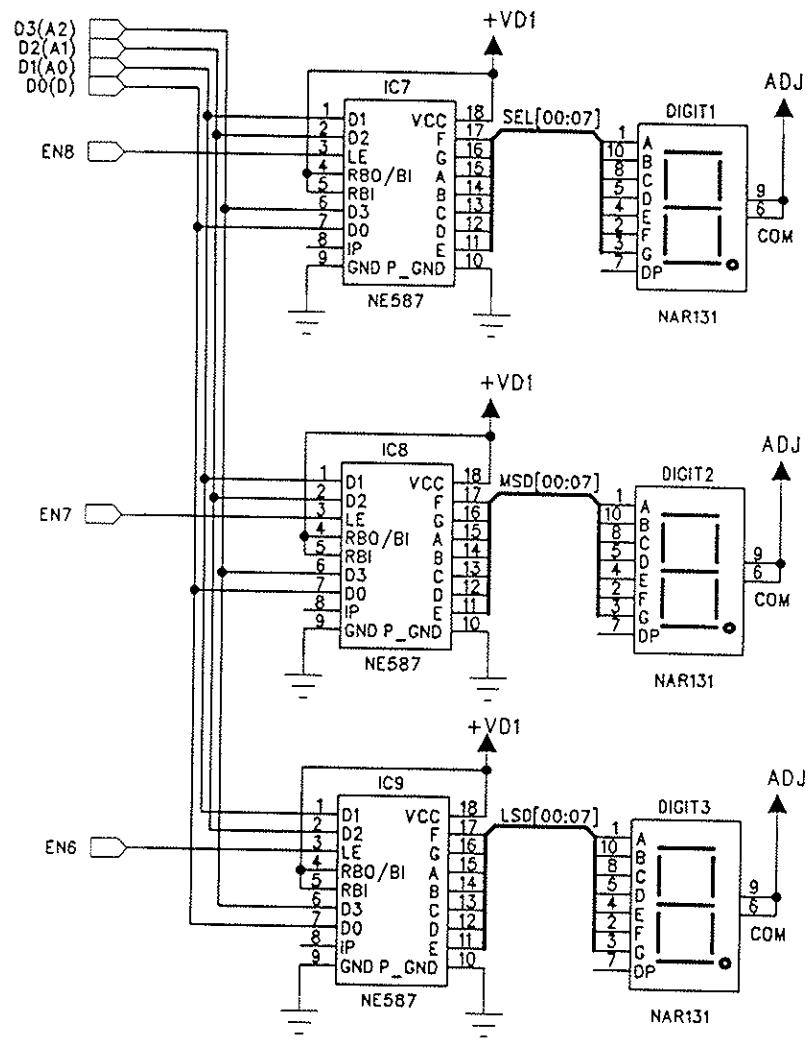
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: MICRO-CONTROLLER		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 1 OF 16



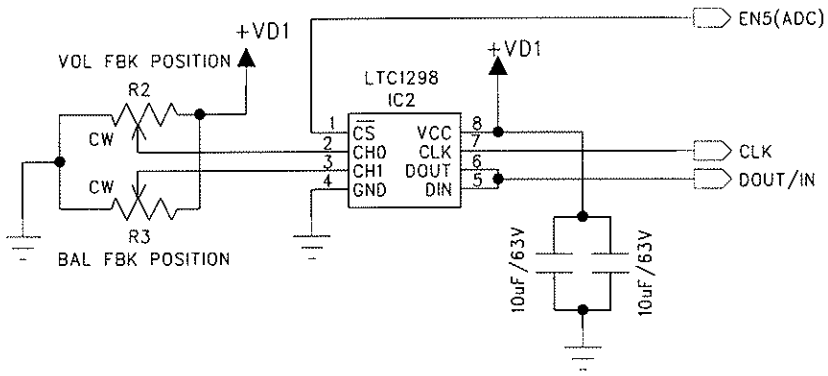
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: LIGHT-BARS DRIVERS		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 2 OF 16

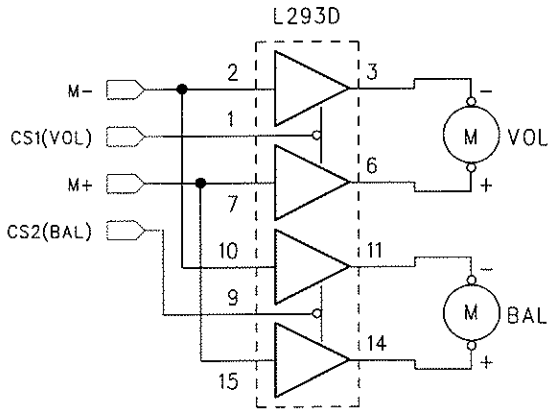


CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: RELAYS DRIVERS		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 3 OF 16



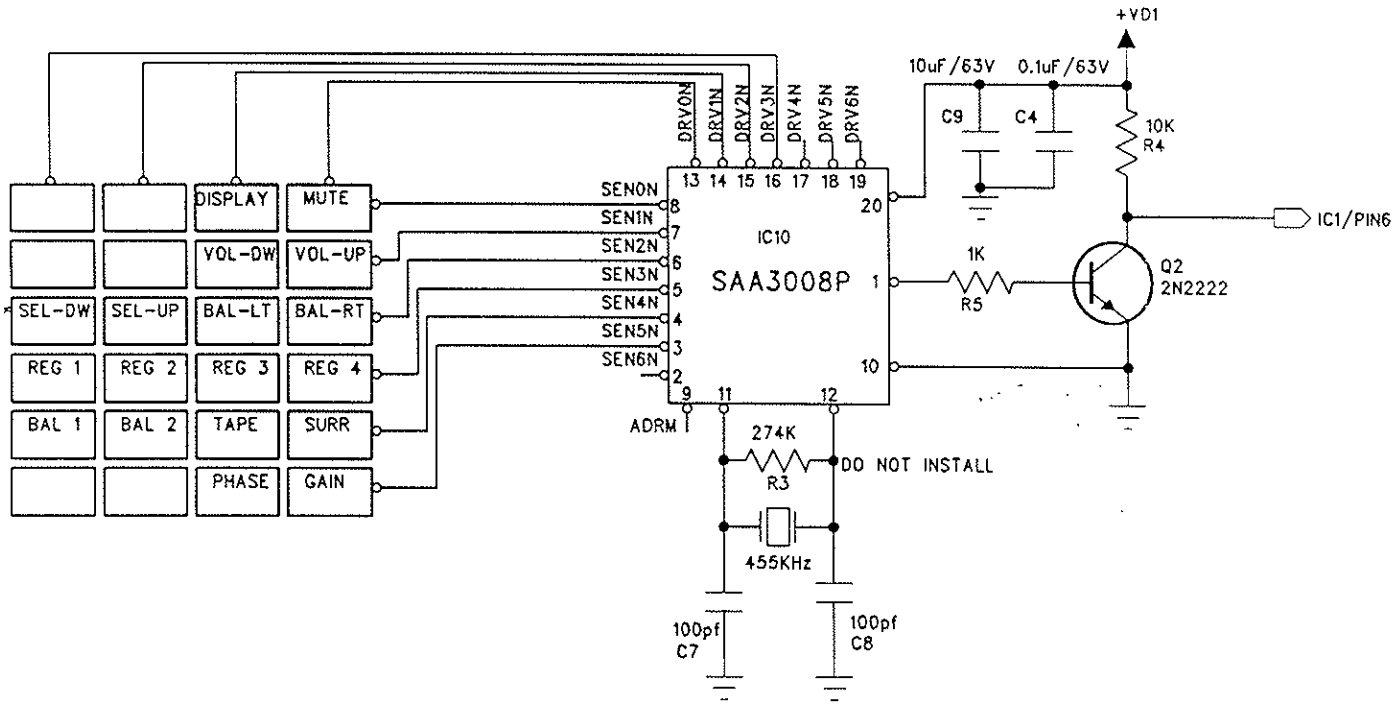
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: 7-SEG DRIVERS		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 4 OF 16



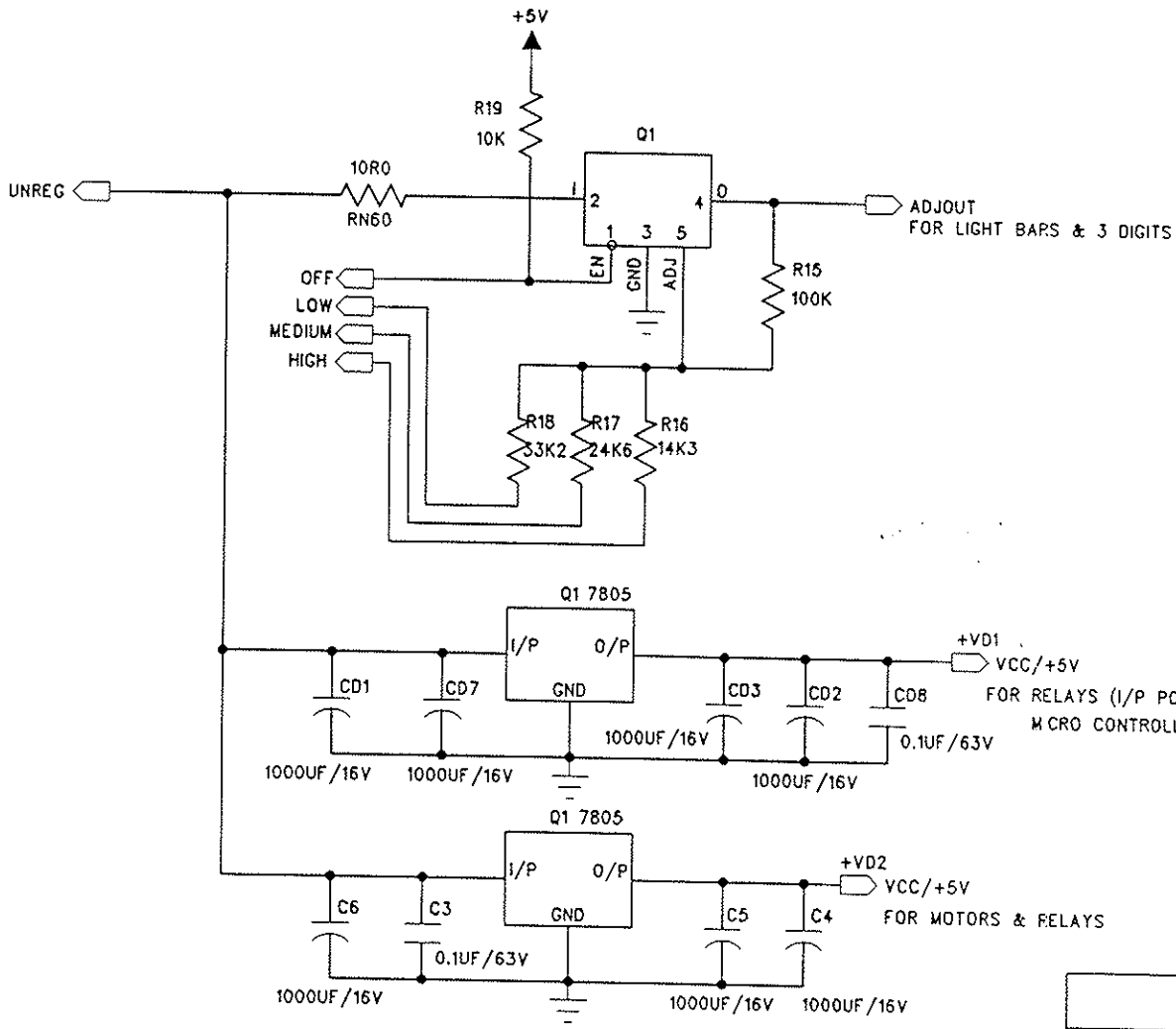


GND: 4,5,12,13
VCC: (+VD2) 8,16

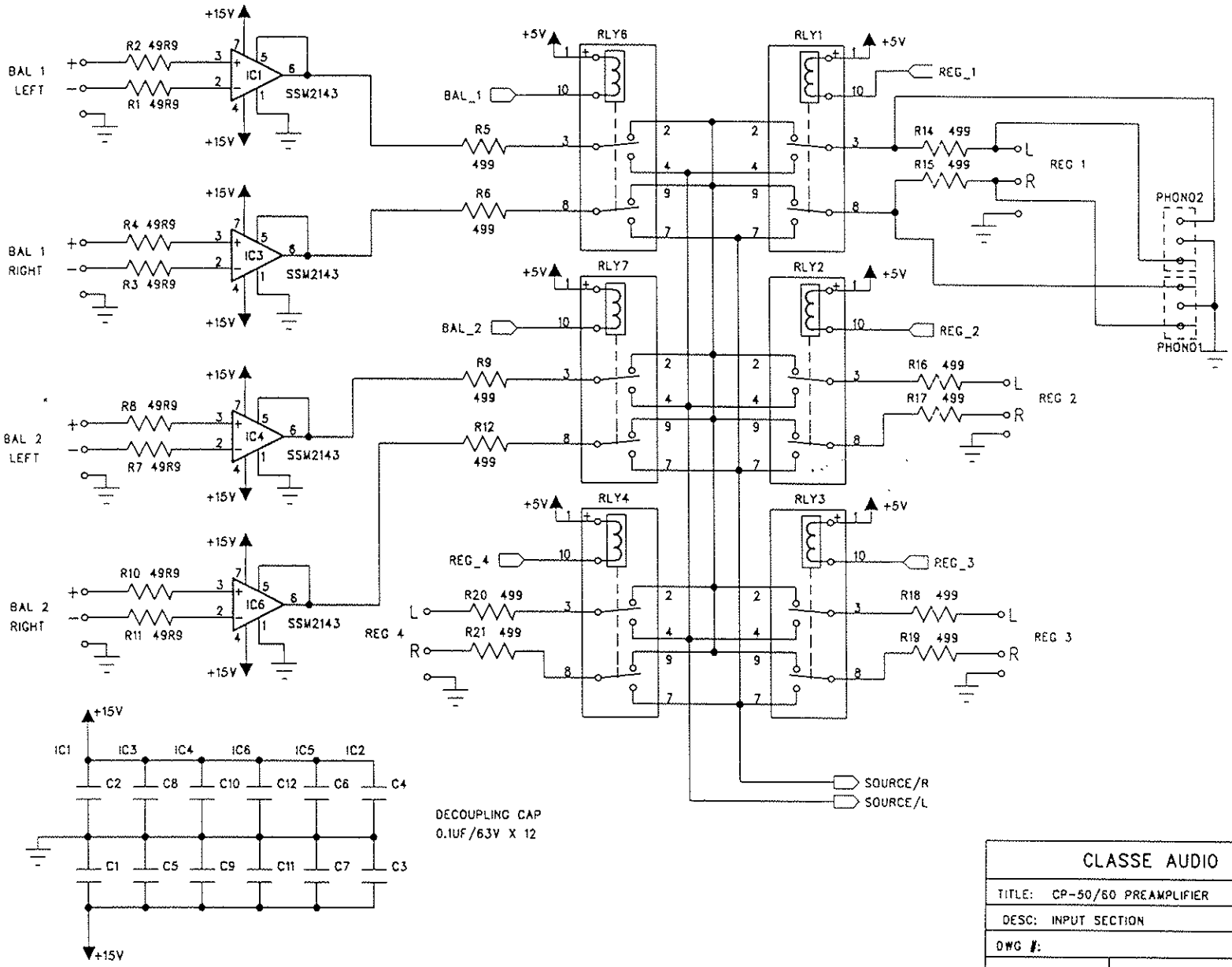
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: ADC & MOTOR DRIVERS		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 5 OF 16



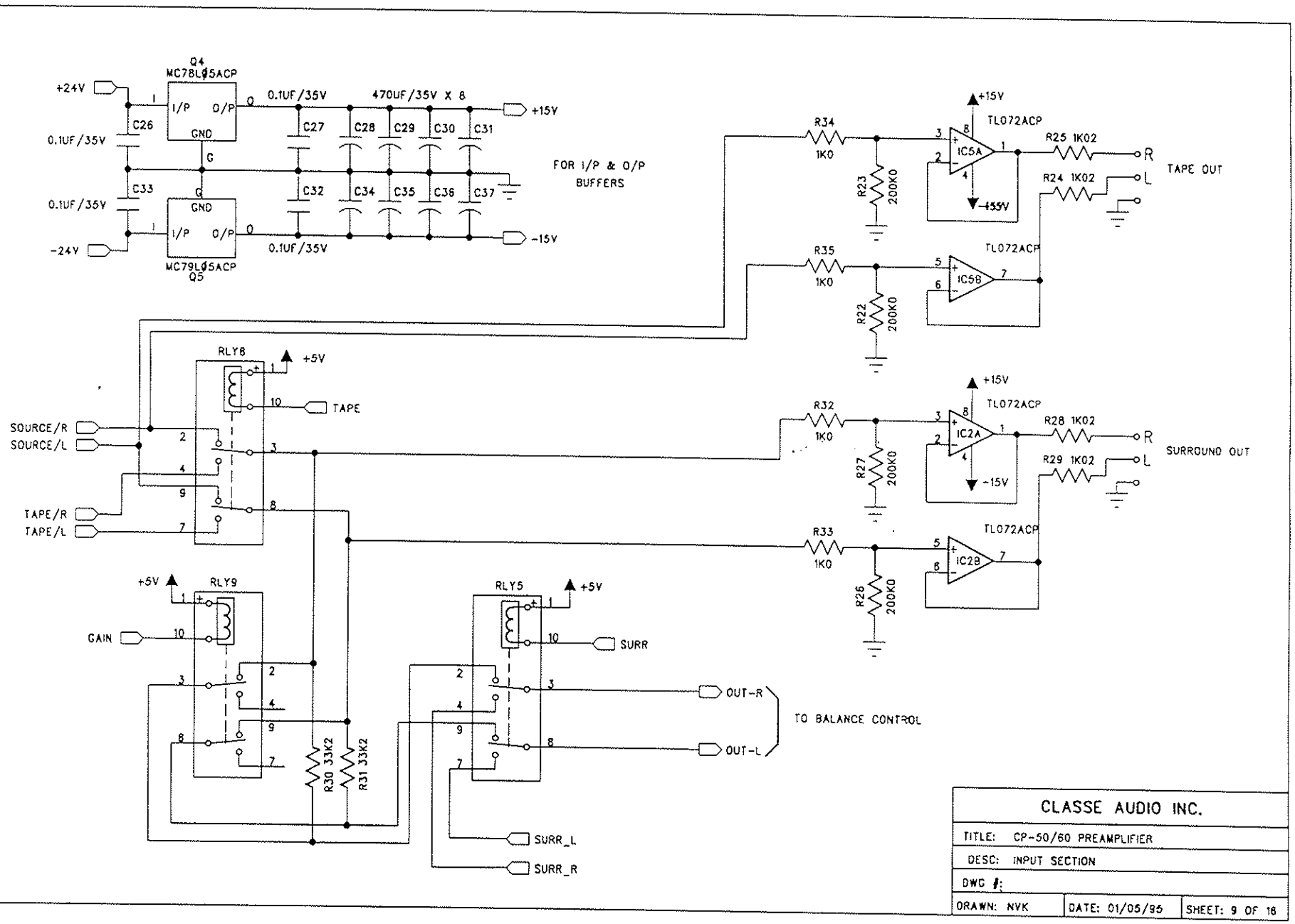
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: FRONT PANEL KEYPAD		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 6 OF 16



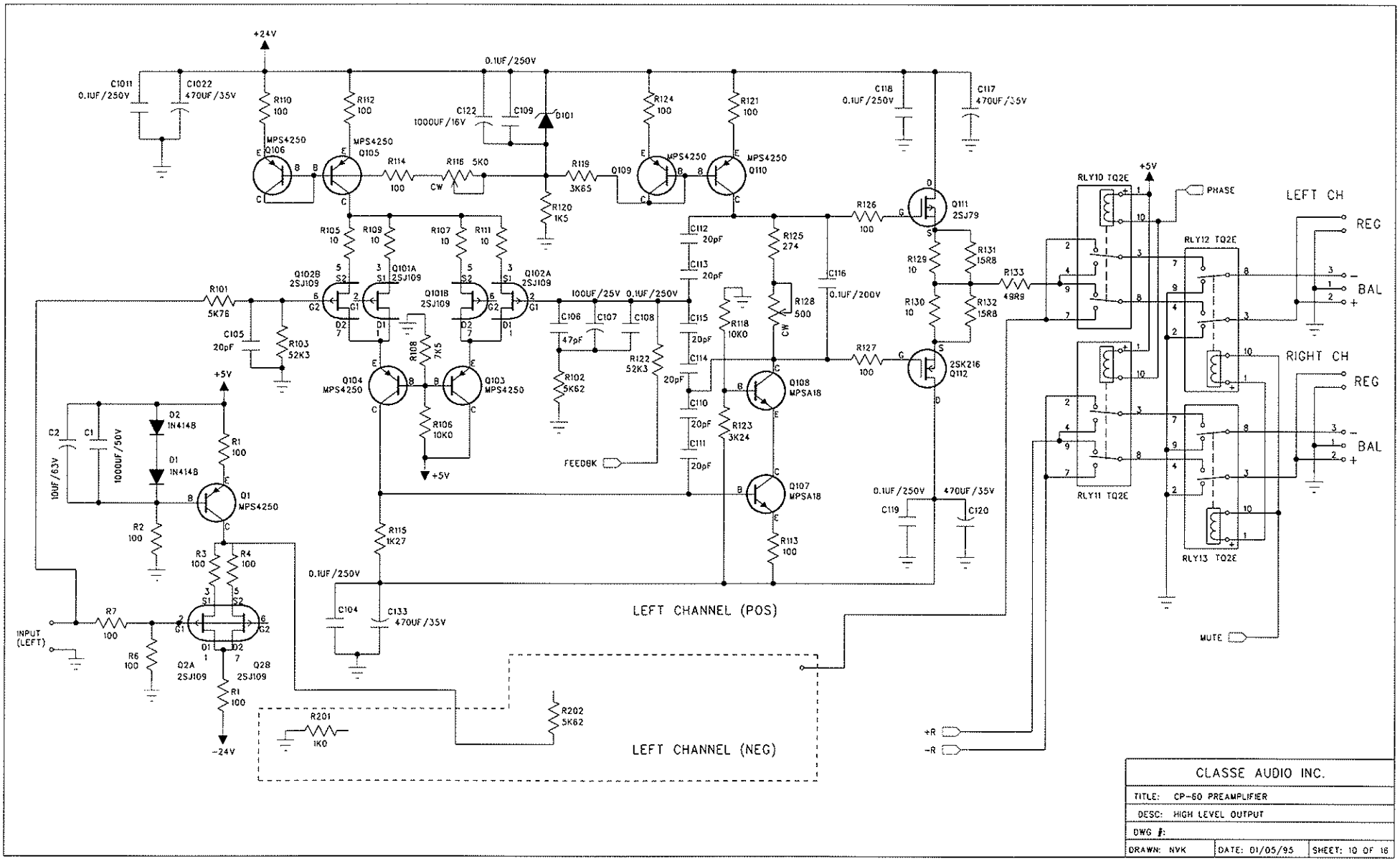
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: POWER SUPPLIES		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 7 OF 16



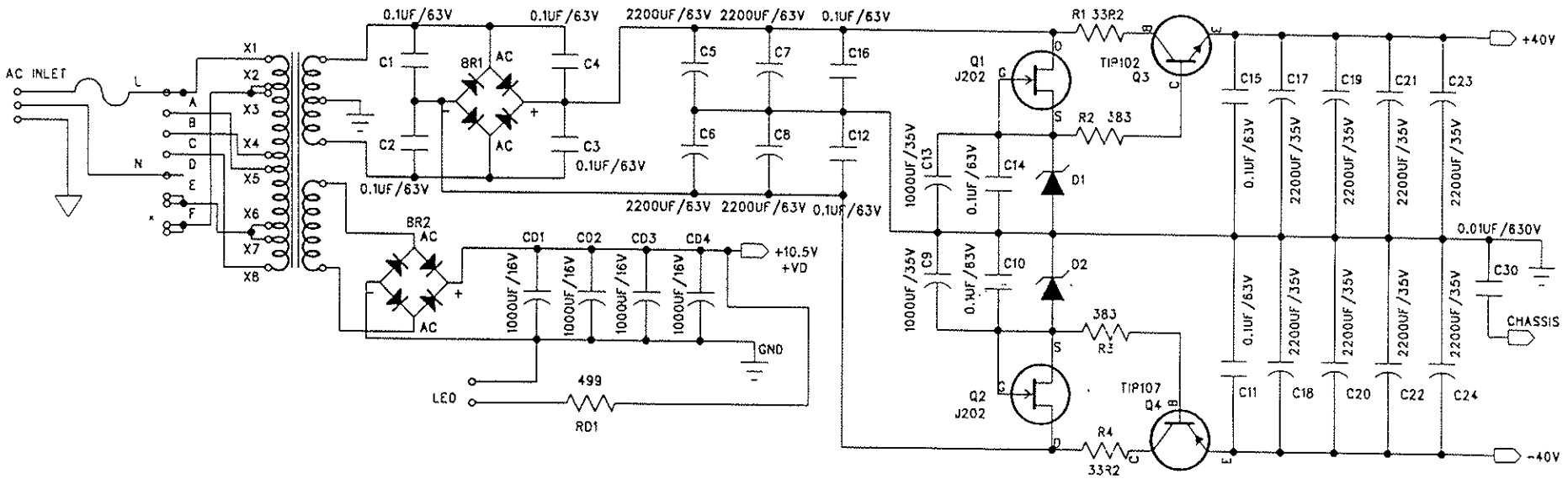
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: INPUT SECTION		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 8 OF 16



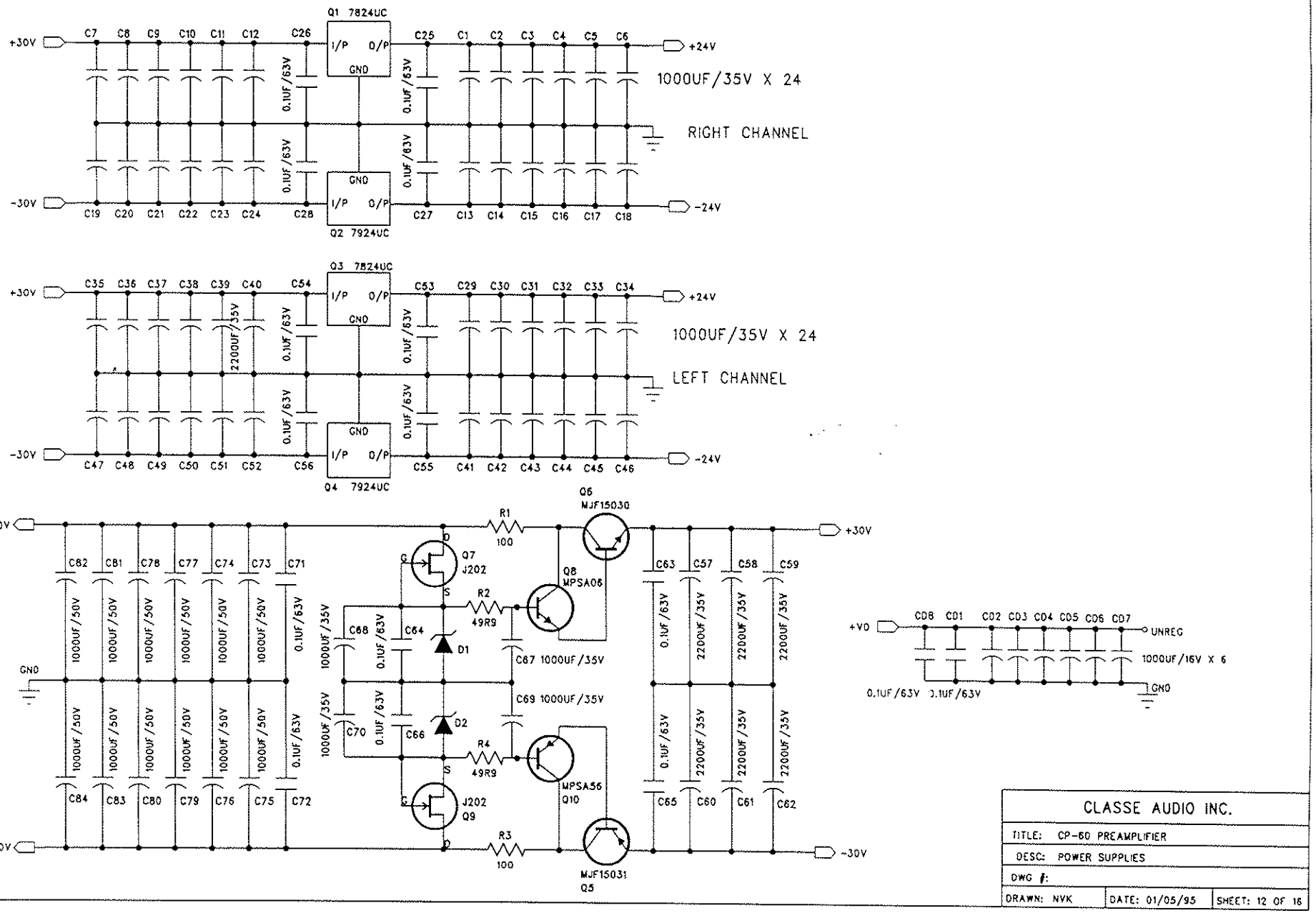
CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: INPUT SECTION		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 9 OF 16

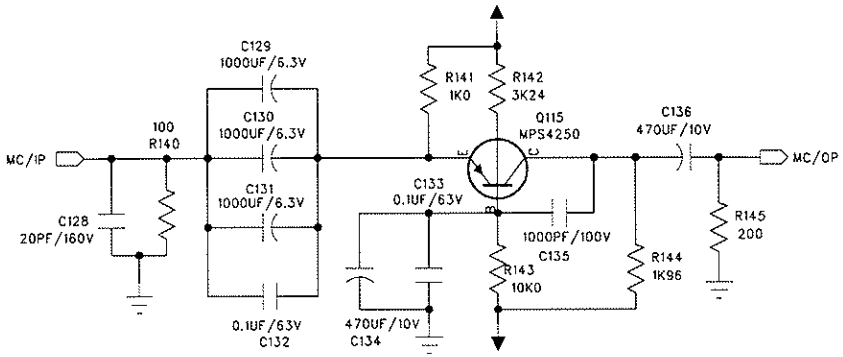


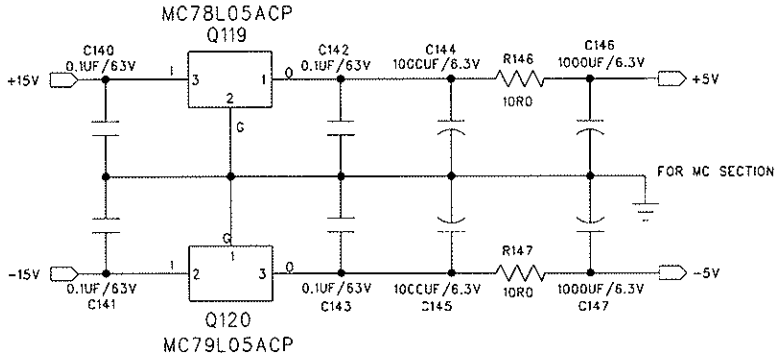
CLASSE AUDIO INC.		
TITLE: CP-60 PREAMPLIFIER		
DESC: HIGH LEVEL OUTPUT		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 10 OF 16

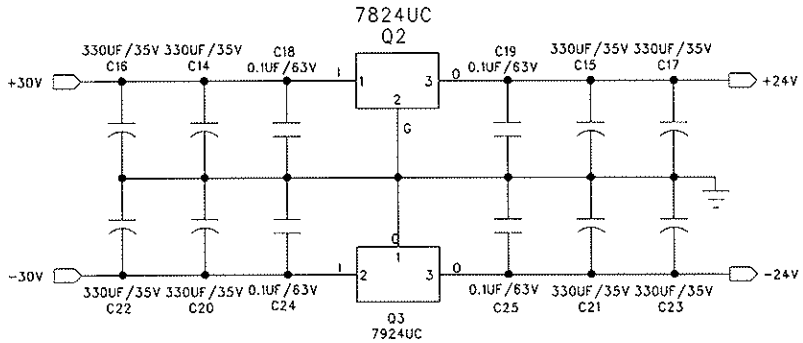


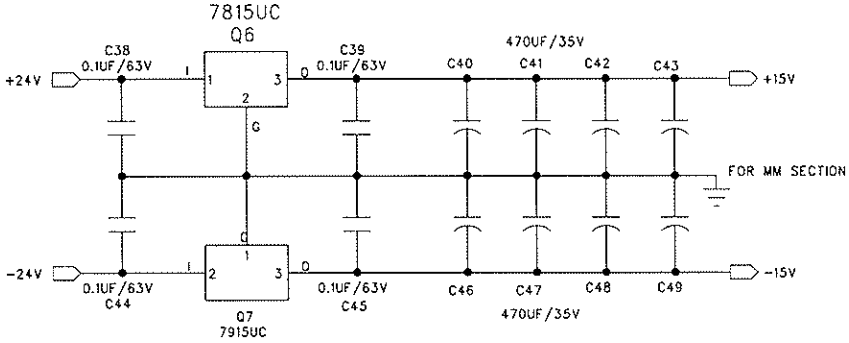
CLASSE AUDIO INC.		
TITLE: CP-60 PREAMPLIFIER		
DESC: EXTERNAL POWER SUPPLY		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 11 OF 16


Q1 7824UC
+30V
C7 C8 C9 C10 C11 C12 C26
I/P O/P
GND
C25 C1 C2 C3 C4 C5 C6
+24V
0.1UF/63V
1000UF/35V X 24
RIGHT CHANNEL
-30V
C19 C20 C21 C22 C23 C24 C28
Q2 7924UC
C27 C13 C14 C15 C16 C17 C18
-24V
Q3 7824UC
C35 C36 C37 C38 C39 C40 C54
2200UF/35V
C53 C29 C30 C31 C32 C33 C34
1000UF/35V X 24
LEFT CHANNEL
C47 C48 C49 C50 C51 C52 C56
Q4 7924UC
C55 C41 C42 C43 C44 C45 C46
+40V
R1
100
Q6
MJF15030
+30V
Q7
J202
Q8
MPSA06
R2
49R9
C82 C81 C78 C77 C74 C73 C71
C63 C57 C58 C59
1000UF/50V
2200UF/35V
C68 C64
D1
C67 1000UF/35V
C69 1000UF/35V
GND
C70 C66
D2
R4
49R9
MPSA56
Q10
J202
Q9
C84 C83 C80 C79 C76 C75 C72
C65 C60 C61 C62
R3
100
-40V
MJF15031
Q5
-30V
+VO
CD8 CD1 CD2 CD3 CD4 CD5 CD6 CD7
UNREG
1000UF/16V X 6
0.1UF/63V
GND
CLASSE AUDIO INC.
TITLE: CP-60 PREAMPLIFIER
DESC: POWER SUPPLIES
DWG #:
DRAWN: NVK
DATE: 01/05/95
SHEET: 12 OF 16

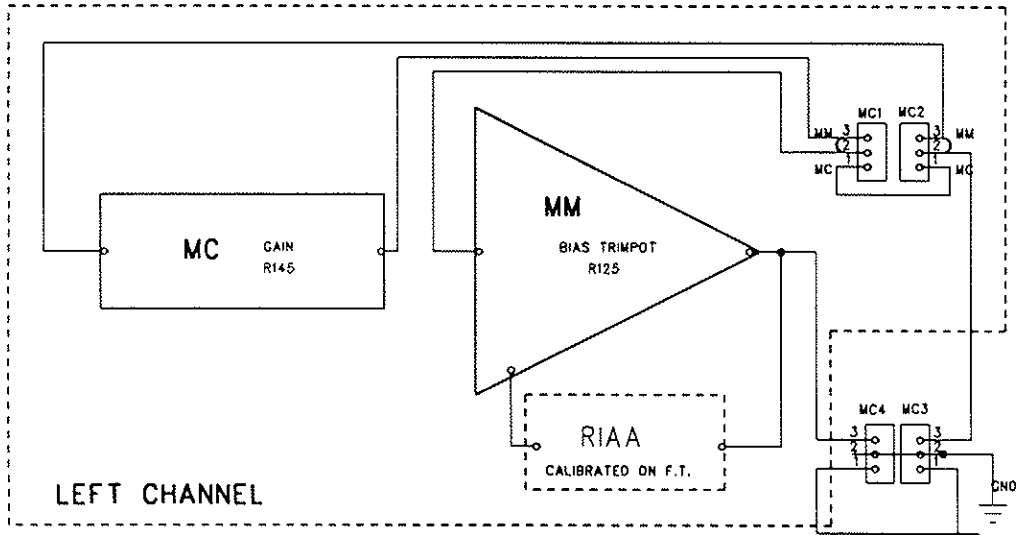


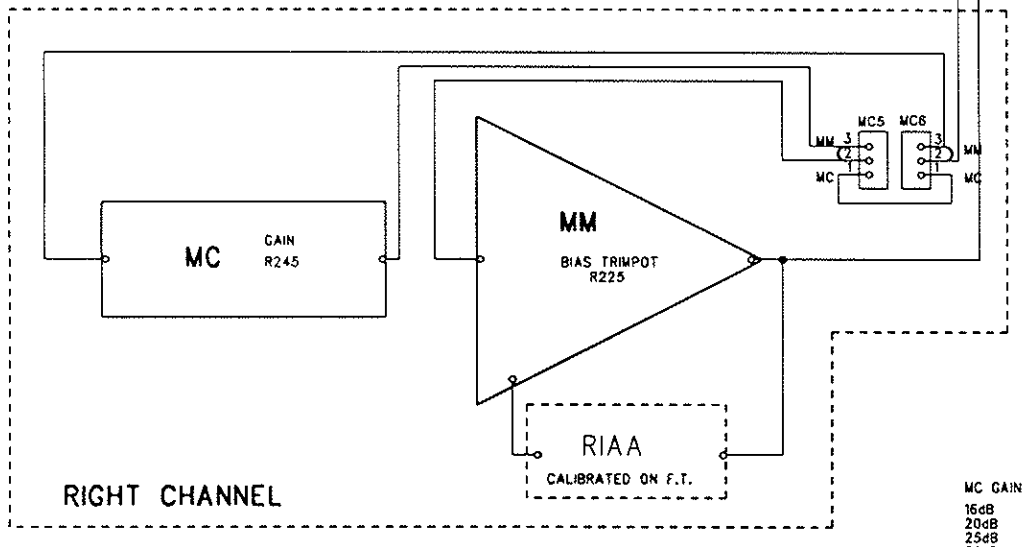


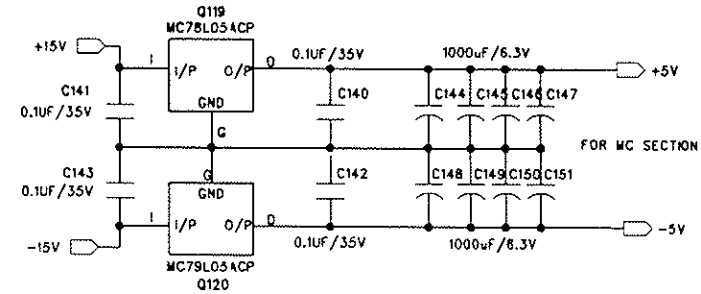


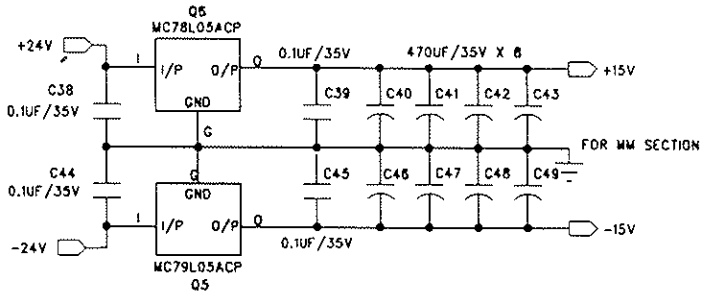


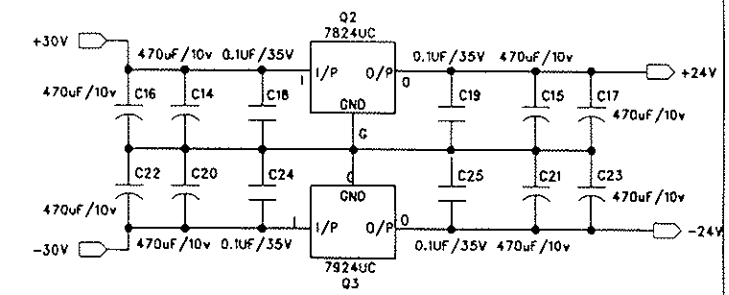
COMPANY:	CLASSE AUDIO INC.		
TITLE:	CP-50/60 PREAMPLIFIER		
DESC:	MC/MM CIRCUIT		
DRAWING NO:			
DRAWN: NVK		DATE: 01/05/95	SHEET: 13 OF 16







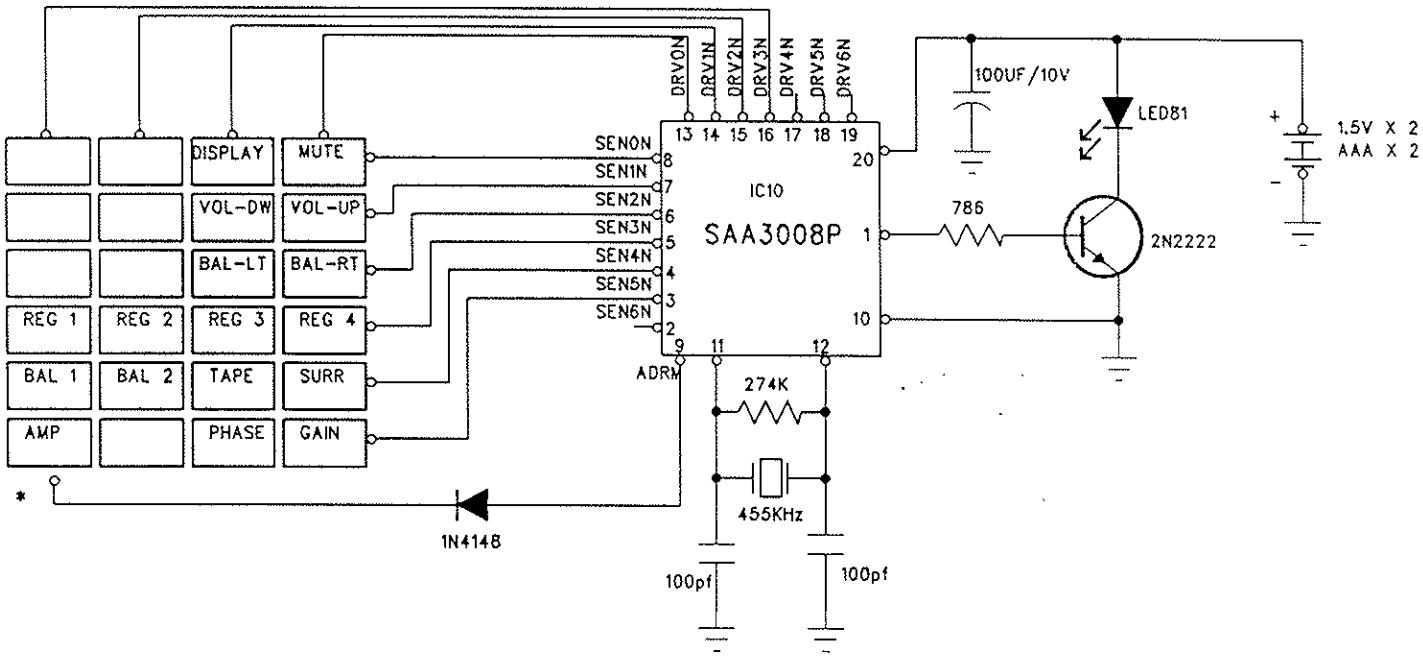




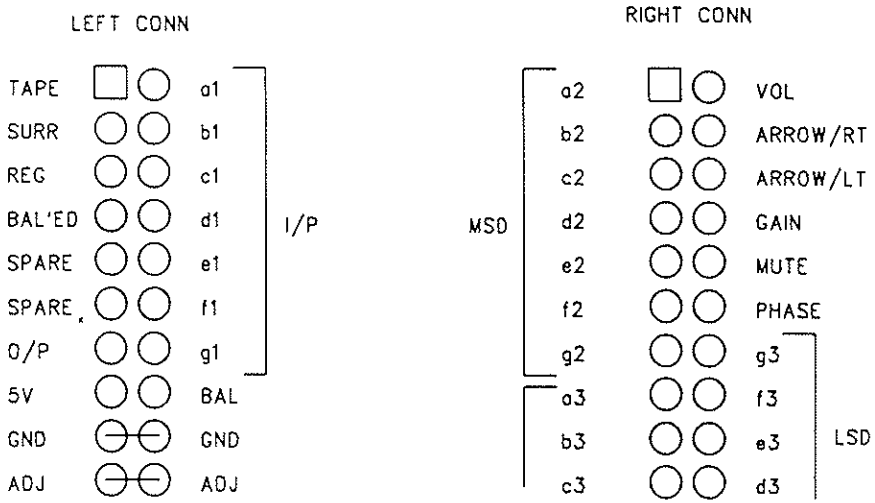
R145,R245

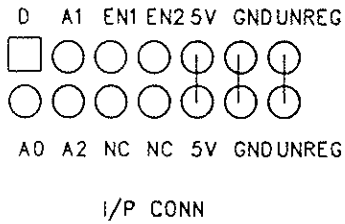
MC GAIN	VALUE
16dB	RN5501100 (DEFAULT)
20dB	RN5502000
25dB	RN5503830
30dB	RN5507680

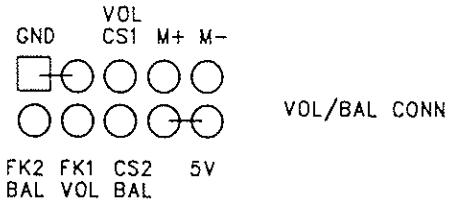
CLASSE AUDIO INC.		
TITLE: CP-60 PREAMPLIFIER		
DESC: MC PHONO SECTION		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 14 OF 15



CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: REMOTE CONTROL UNIT		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 15 OF 16







CLASSE AUDIO INC.		
TITLE: CP-50/60 PREAMPLIFIER		
DESC: CONNECTORS PINOUT		
DWG #:		
DRAWN: NVK	DATE: 01/05/95	SHEET: 16 OF 16

CP-50/CP-60 GAIN REDUCTION

To change the gain to 8.5 dB:

1- Replace R101, R301 from RN60D5761 (old value) to RN60D2002 (new value).

2- Replace R102, R202, R302, R402 from RN60D5621 (old value) to RN60D2002 (new value).

See supplied diagram

Classé Audio

Instructions for converting the Classé CP-60 Preamplifier to a new operating voltage

IMPORTANT!

****ALL THE FOLLOWING INSTRUCTIONS APPLY ONLY TO THE POWER SUPPLY UNIT OF THE CP-60 PREAMPLIFIER. NO CHANGES NEED TO BE MADE TO THE MAIN UNIT ITSELF.****

PROCEDURE

1) Disconnect the power supply unit from AC power.

2) Remove the top cover of the power supply.

3) Using the table below and the diagram on the next page, change the position of the relevant jumpers on the right corner of the PCB to reflect the new operating voltage as indicated in the table.

4) Change the varistor VR1 to:
   221 for 100V to 120V
   or
   441 (or 391) for 220V to 240V.

5) Replace the top cover of the power supply.

Table of available voltages and corresponding jumper settings

VOLTAGE	JUMPERS
100 V	C,E,F
120 V	A,C,D
220 V	B,E
240 V	B,D

950613CK

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