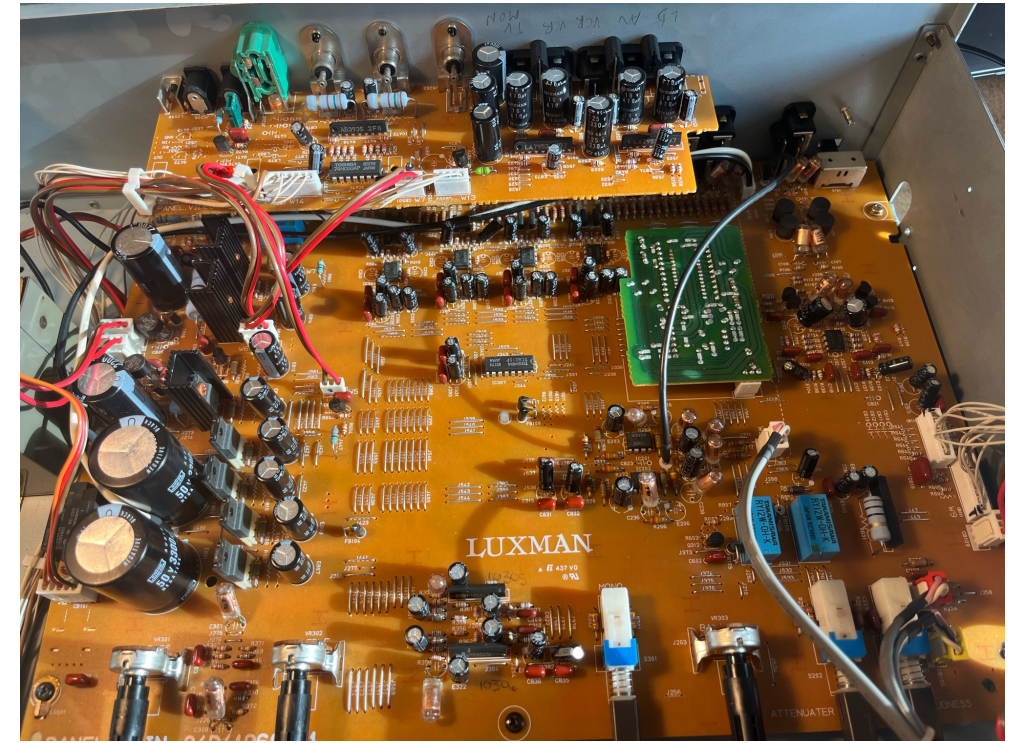


LUXMAN C-383

electronic circuits v1




DISCLAIMER

These circuits are drawn from examining an C-383 amp with Serial Number A21011136, with focus on the analog circuits.

Although the drawings were made with a maximum of care and many control checks have been done, they may contain errors.

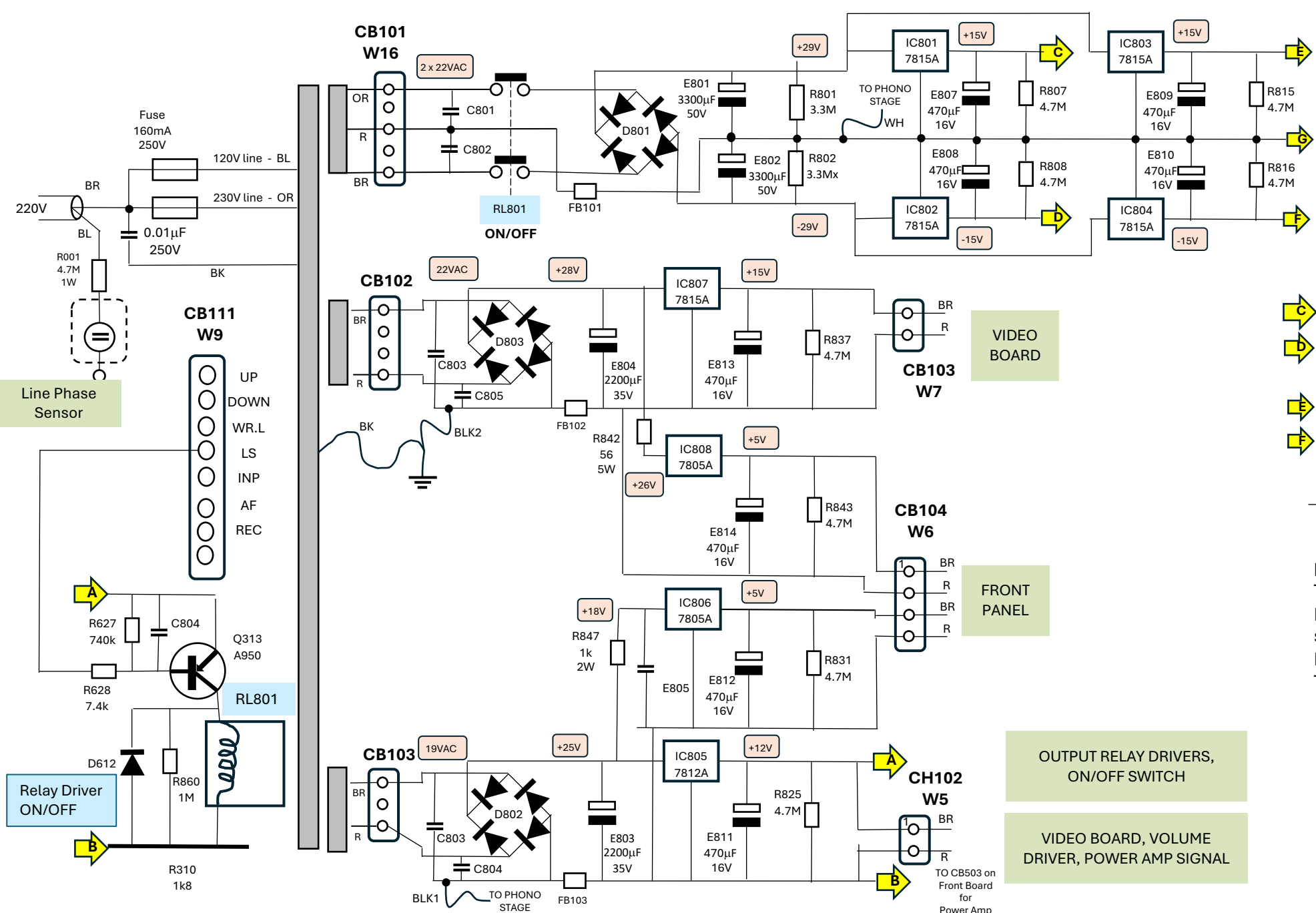
Measured Voltages are made at 230 V input and may deviate from your reality. Other C-383 amps may be different.

Consequently, these circuits are given **without any guarantee**.

Arrows such as  do not appear on the circuit boards, they are used to simplify the circuit lay-out on these drawings.

All comments/corrections/additions welcome!

Luxman C383 Power Supply



PHONO AMP, TONE AMP, OUTPUT SWITCH, VIDEO BOARD, OUTPUT BUFFERS
 VIDEO BOARD, OUTPUT BUFFERS

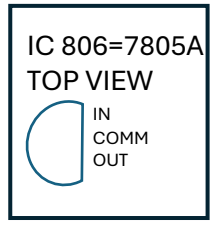
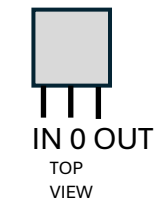
LINE AMP
 LINE AMP

FB101 FB are Test Point Connections

NOTE
 The earth connection of the D803-linked power supplies is separated from the others. Link is done at PHONO inputs. This link is required to have output.

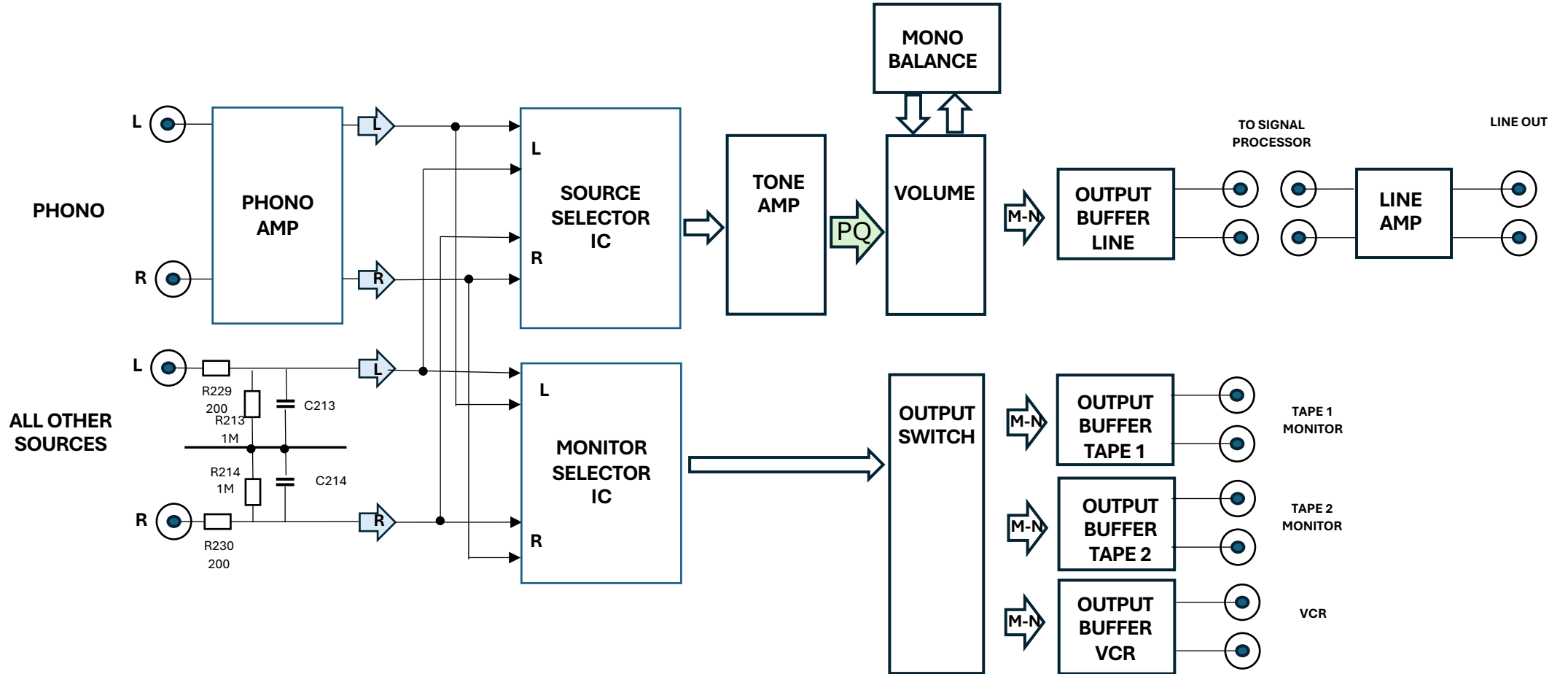
OUTPUT RELAY DRIVERS, ON/OFF SWITCH
 VIDEO BOARD, VOLUME DRIVER, POWER AMP SIGNAL

7812 - 7815 TOP VIEW



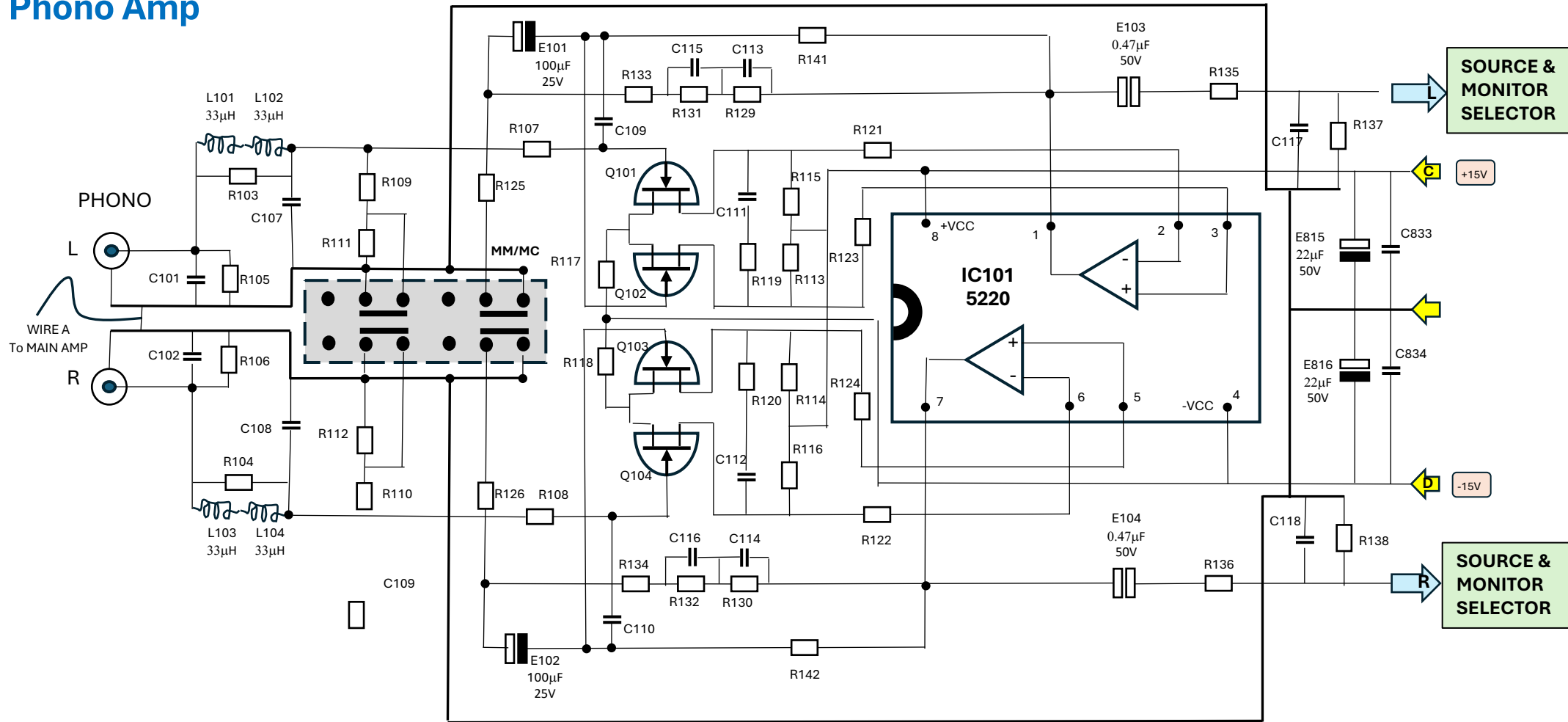
Luxman C383

Simplified Lay-Out



Luxman C383

Phono Amp



CAPACITOR VALUES

C101 – C102 = 220 pF
 C107 – C108 = 330 pF
 C109 – C110 = 270 pF
 C111 – C112 = 220 pF
 C113 – C114 = 220 pF
 C115 – C116 = 220 pF
 C117 – C118 = 4700 pF

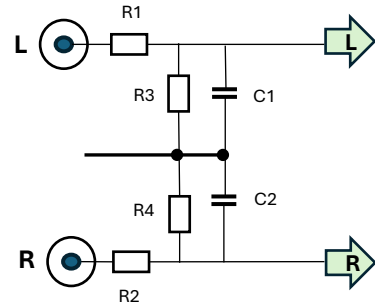
RESISTOR VALUES

R103 – R104 = 200Ω
 R105 – R106 = 560kΩ
 R107 – R108 = 10Ω
 R109 – R110 = 10Ω
 R111 – R112 = 51kΩ
 R113 – R114 = 3600Ω
 R115 – R116 = 3600Ω
 R117 – R118 = 3600Ω
 R119 – R120 = 100Ω
 R121 – R122 = 10Ω
 R123 – R124 = 10Ω
 R125 – R126 = 12Ω
 R127 – R128 = 150Ω
 R129 – R130 = 91kΩ
 R131 – R132 = 7500Ω
 R133 – R134 = 220Ω
 R135 – R136 = 470Ω
 R137 – R138 = 470kΩ
 R141 – R142 = 1MΩ

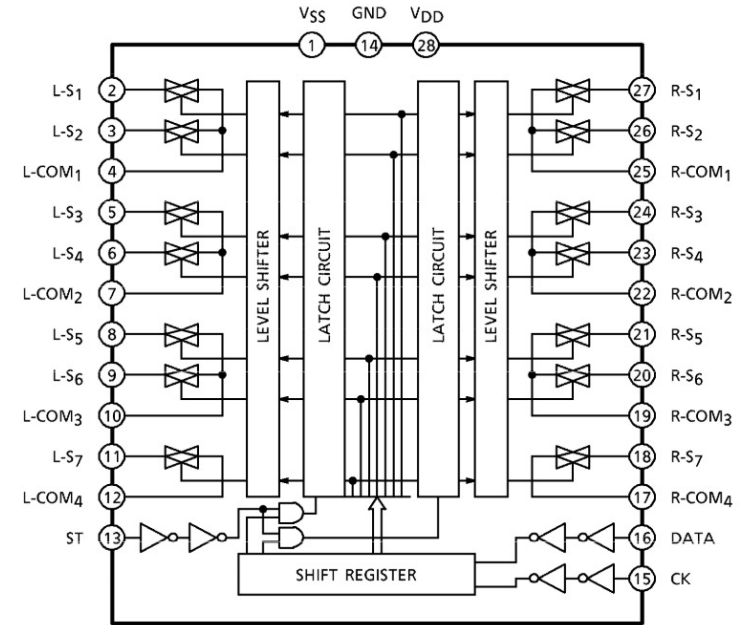
Luxman C383

Sources

All sources
except Phono



**SOURCE
SELECTOR
IC
TC9163**

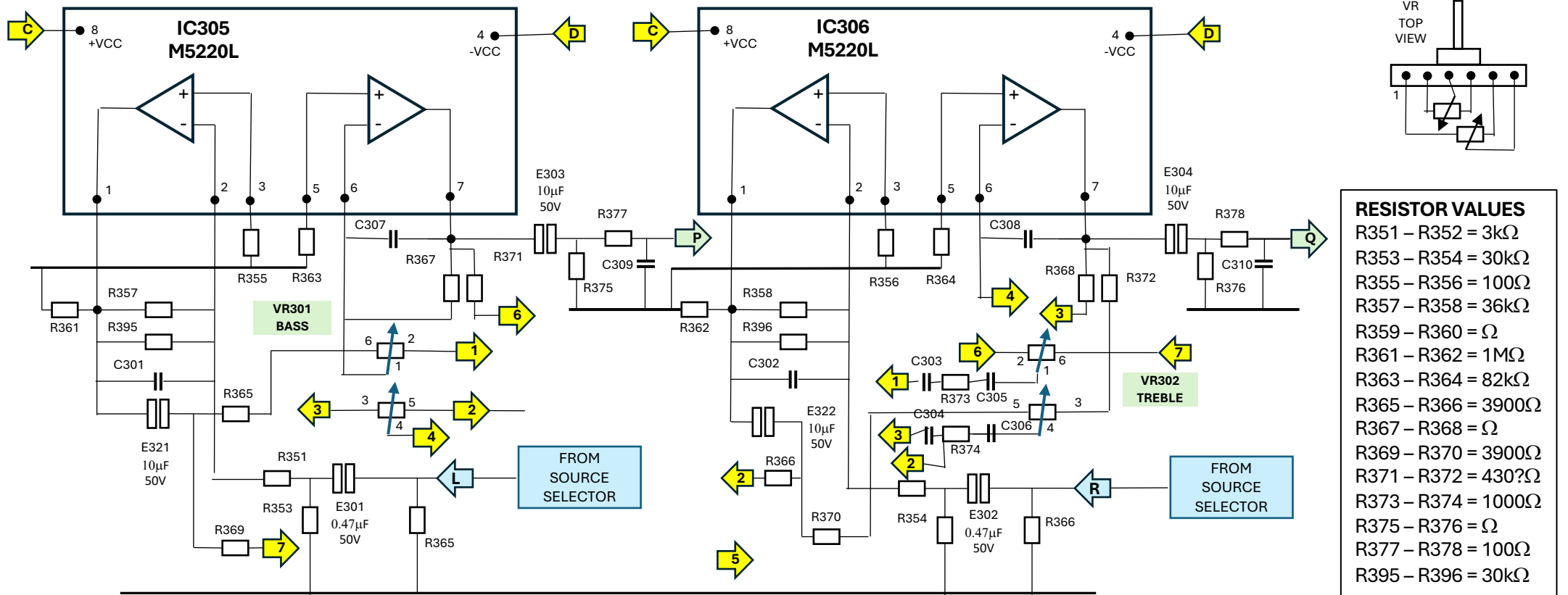


	CD	TUNER	Ldin	AV in	VCR in	TAPE 2 in	TAPE 1 in
R1 R2 200Ω	R201 R202	R203 R204	R205 R206	R207 R208	R209 R10	R211 R212	R213 R214
R3 R4 2.8MΩ	R217 R218	R219 R220	R221 R222	R223 R224	R225 R226	R227 R228	R229 R230
C1 C2 330pF	C201 C202	C203 C204	C205 C206	C207 C208	C209 C10	C211 C212	C213 C214

	Left	Right
INPUTS	18-19 21-22-23 25-26-27	10-11 6-7-8 2-3-4
OUTPUTS	17-20-24	5-9-12
Supply Voltage	1-14-28	
To Control PC Board	13-15-16	

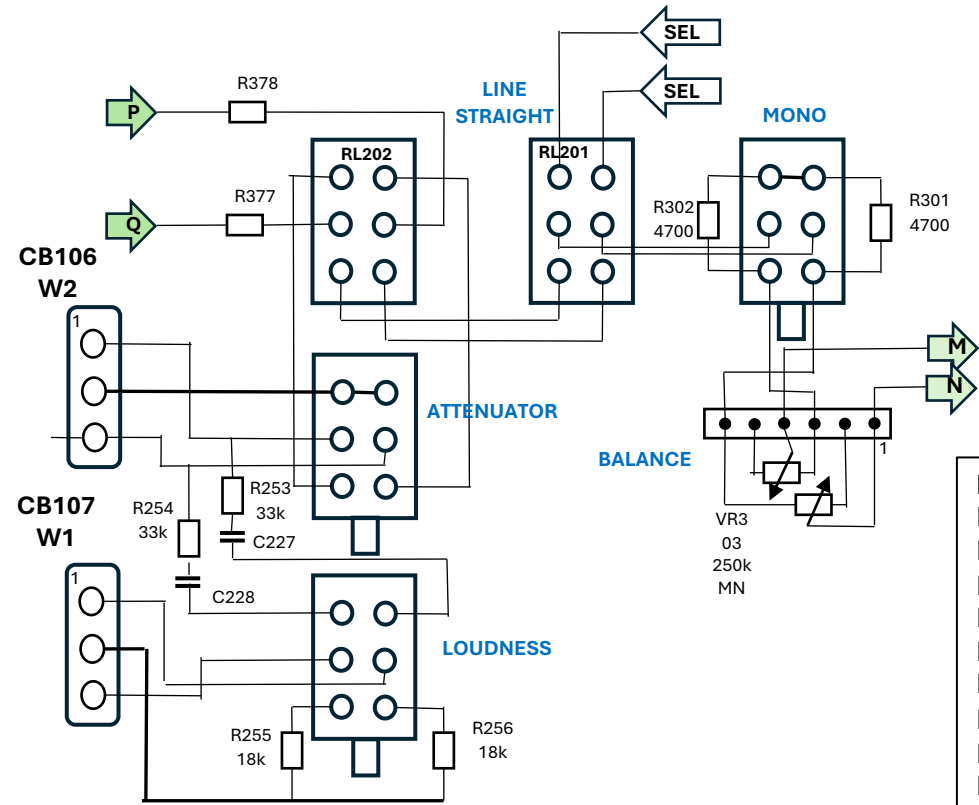
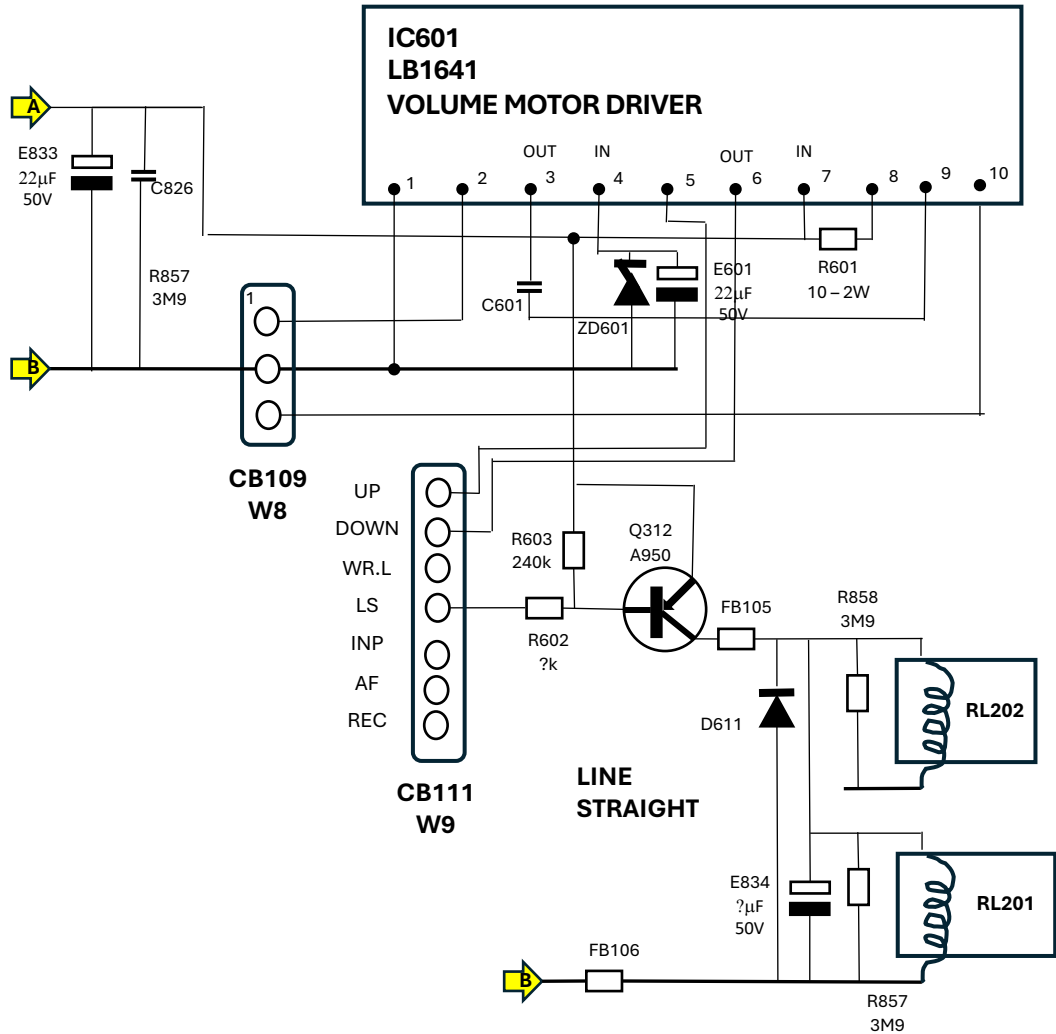
Luxman C383

Tone Amp

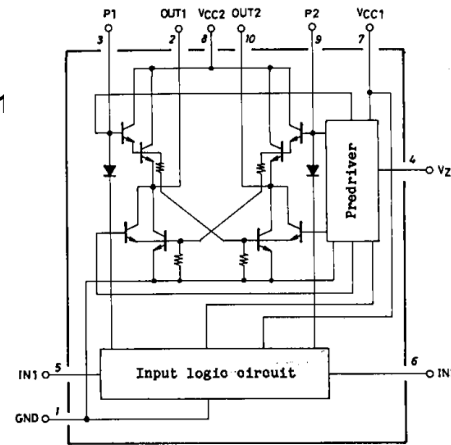


Luxman C383

Volume – Balance – Loudness –
Attenuator – Line Straight



IC601
LB1641

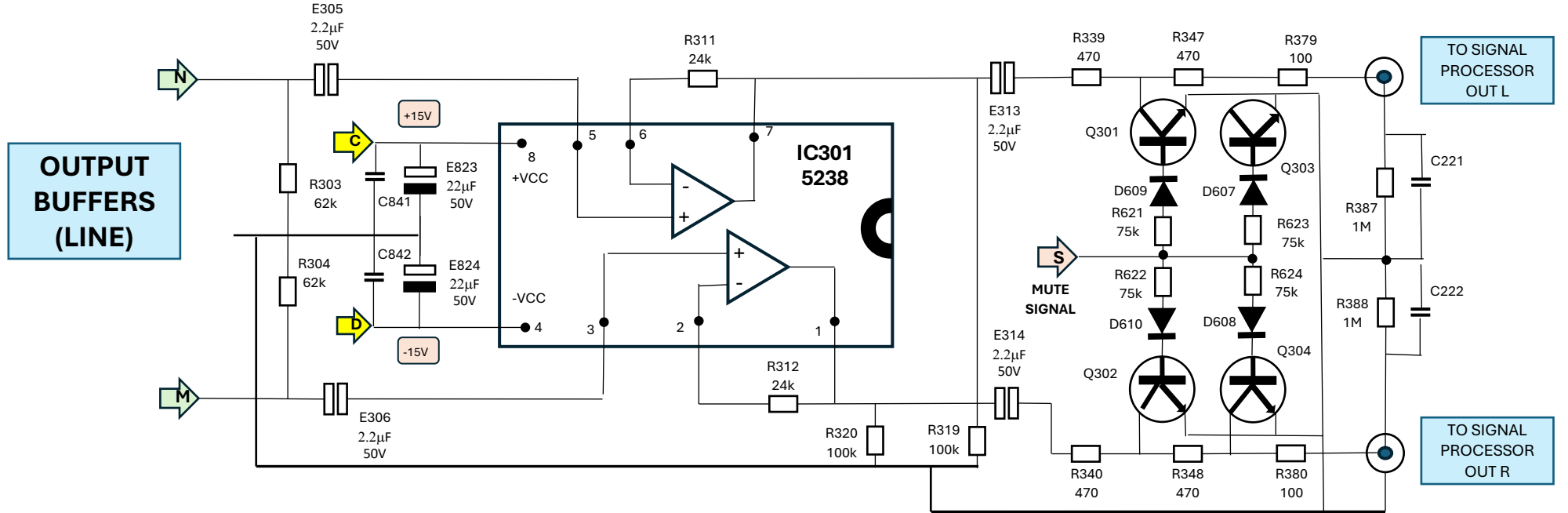


RESISTOR VALUES

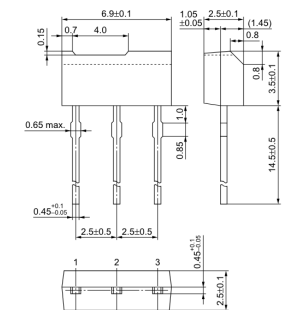
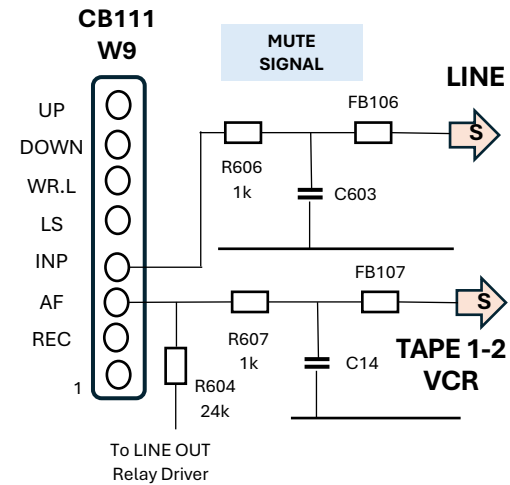
- R312 – R104 = 200Ω
- R105 – R106 = 560kΩ
- R107 – R108 = 10Ω
- R109 – R110 = 10Ω
- R111 – R112 = 51kΩ
- R113 – R114 = 3600Ω
- R115 – R116 = 3600Ω
- R117 – R118 = 3600Ω
- R119 – R120 = 100Ω
- R121 – R122 = 10Ω
- R123 – R124 = 10Ω
- R125 – R126 = 12Ω
- R127 – R128 = 150Ω
- R129 – R130 = 91kΩ
- R131 – R132 = 7500Ω
- R133 – R134 = 220Ω
- R135 – R136 = 470Ω
- R137 – R138 = 470kΩ
- R141 – R142 = 1MΩ

Luxman C383

Output Buffers



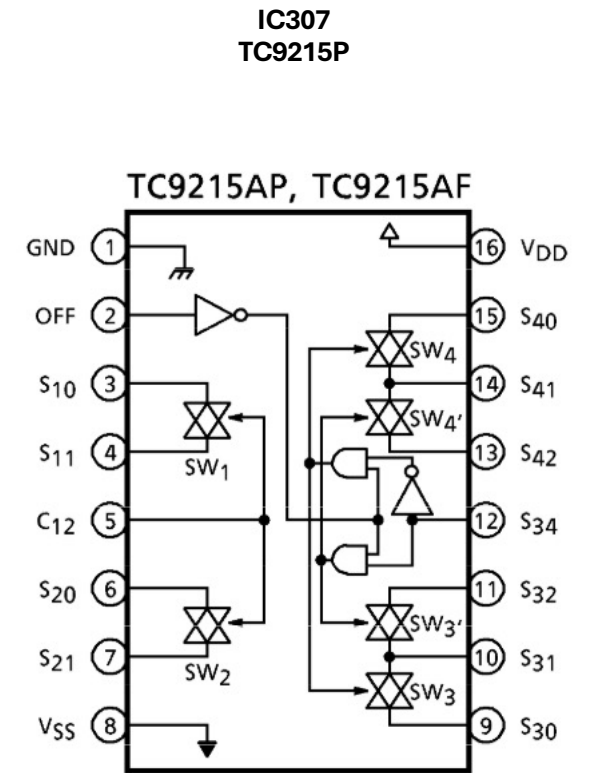
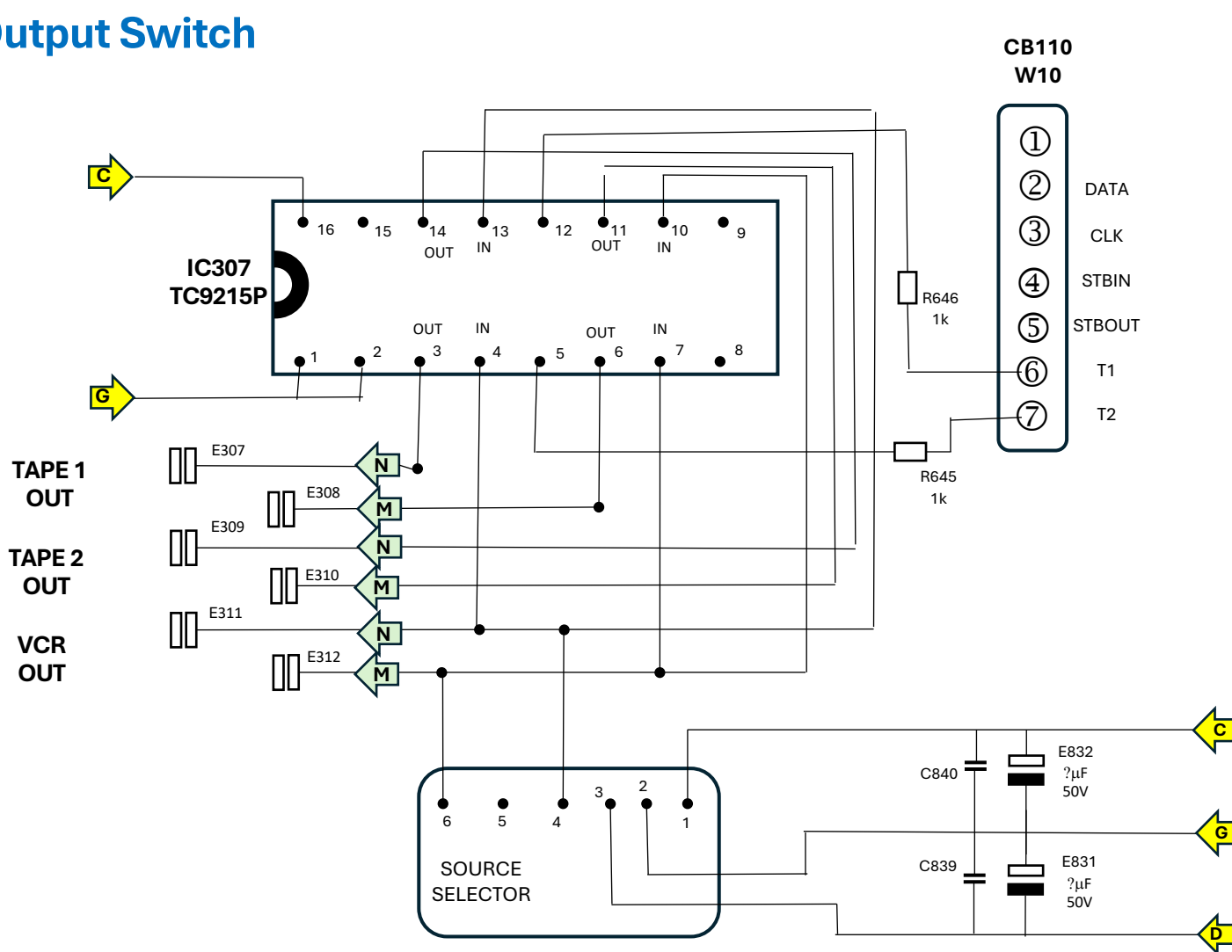
	LINE	TAPE 1	TAPE 2	VCR
All other components	See numbers above Example: R303	numbers LINE +2 R305	numbers LINE +4 R307	numbers LINE +3 R309
OUTPUT BUFFERS	Q301 - Q302 R347 - R348 R623 - R624 D609 - D610	Not used	Not used	Not used
	Not used	C217-C218	C219-C220	C221-C222



Q301 - Q304
2SD1996
1 = E
2 = C
3 = B

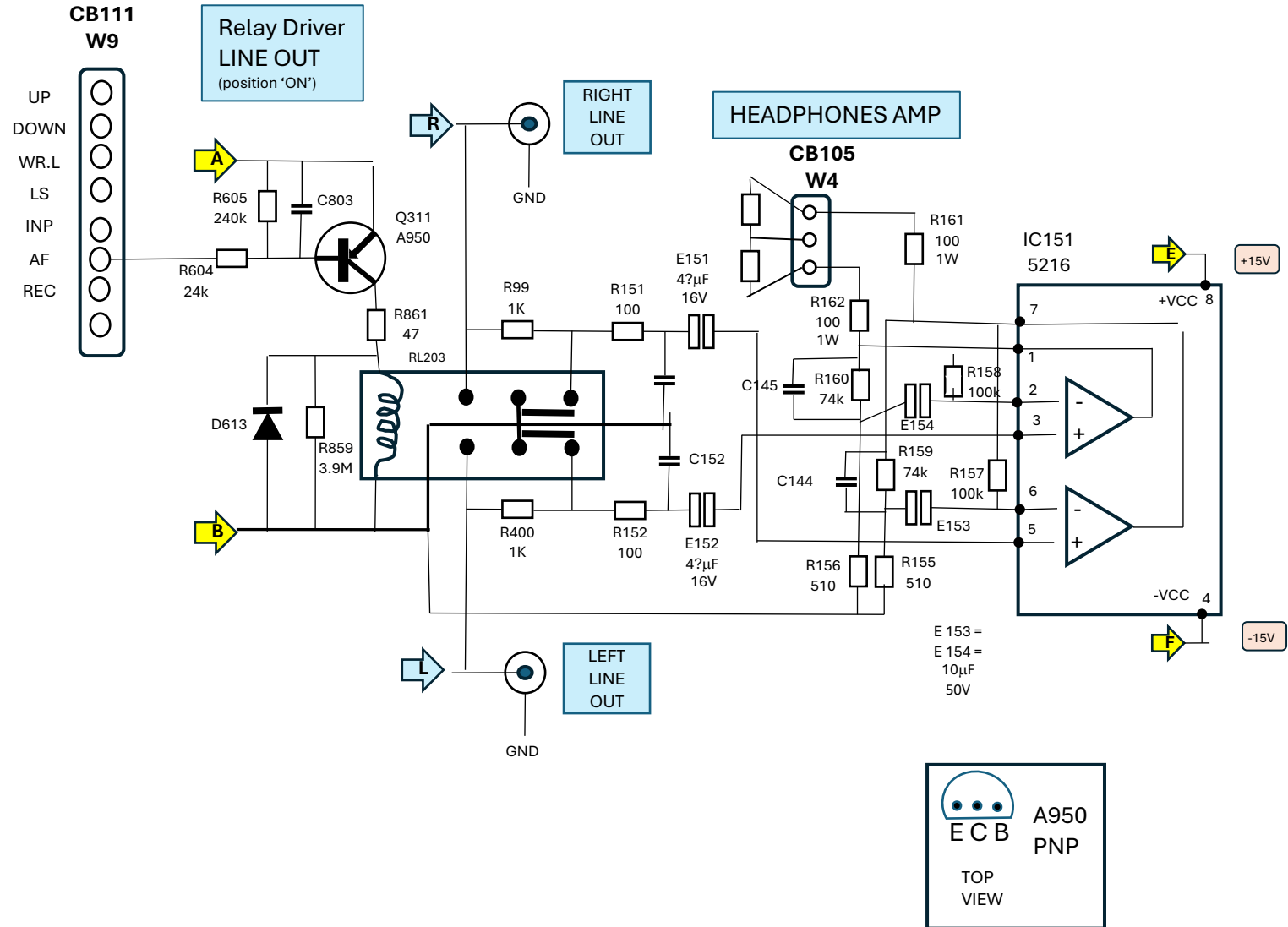
Luxman C383

Analog Output Switch



Luxman C383

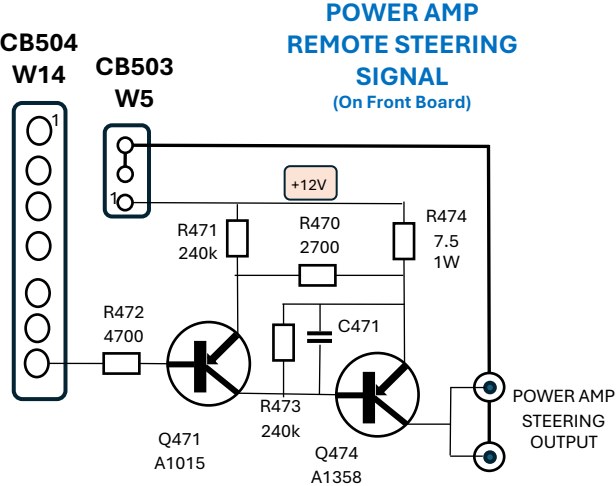
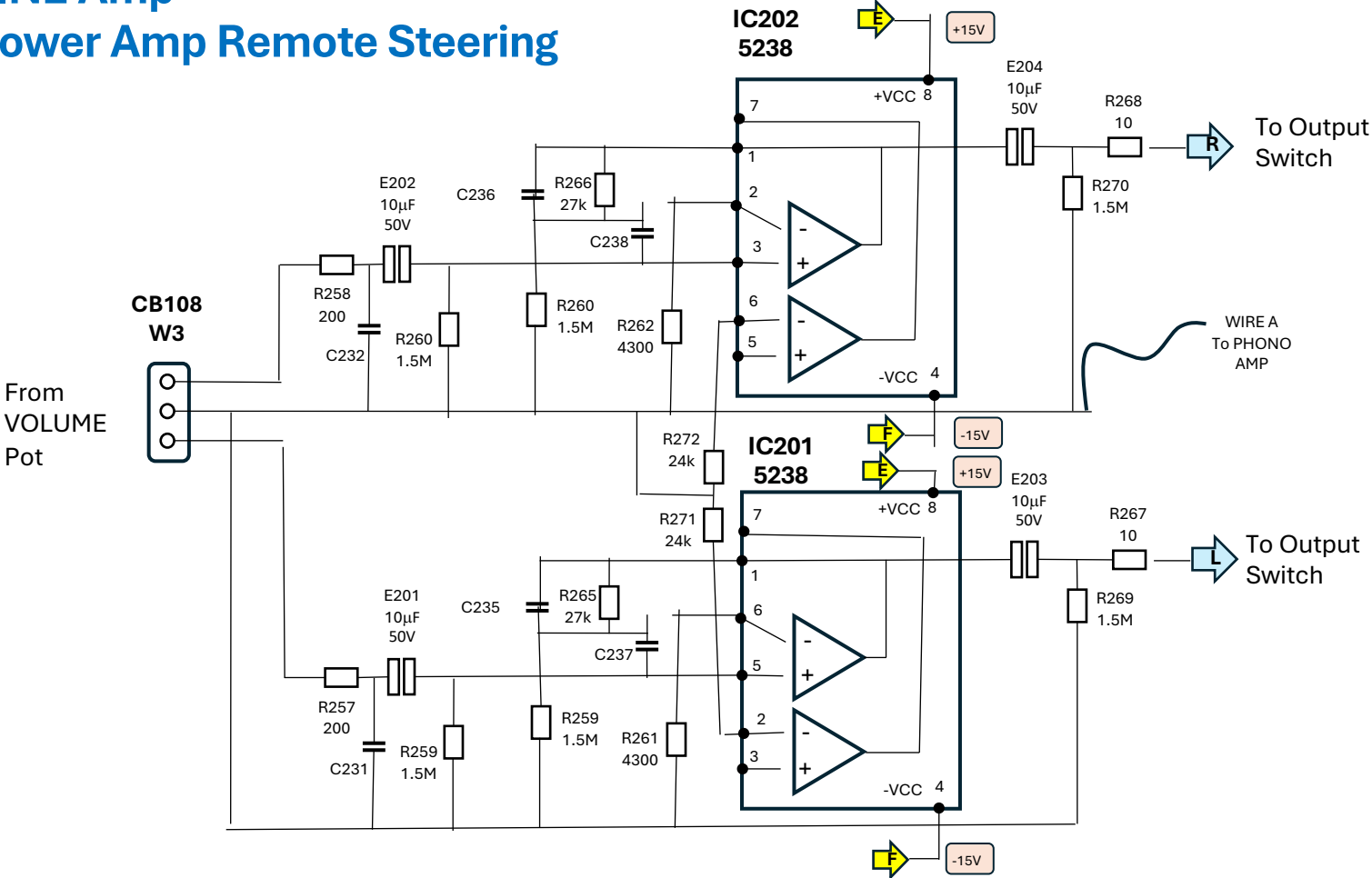
LINE OUT & HEADPHONE AMP



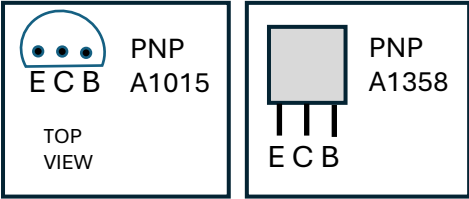
Luxman C383

LINE Amp

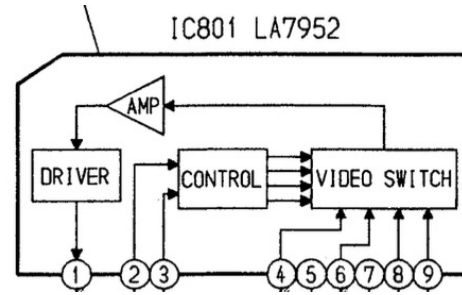
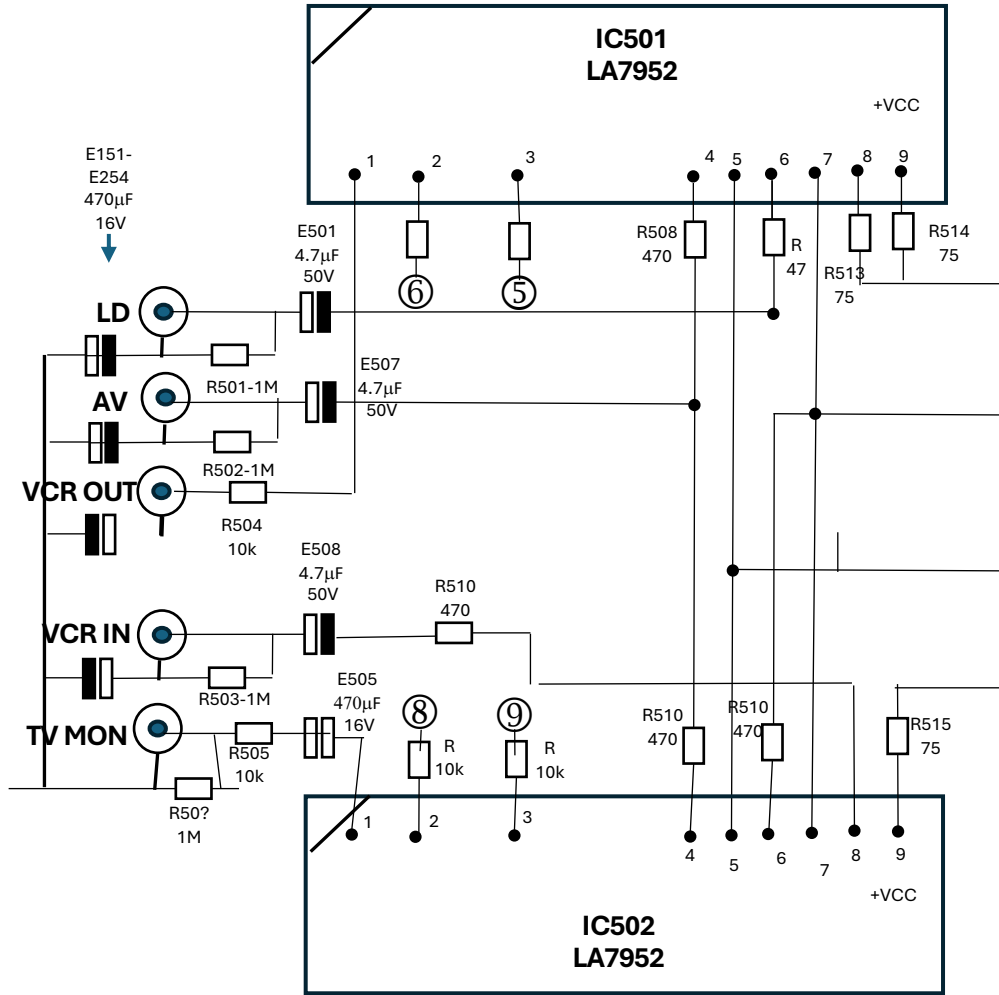
Power Amp Remote Steering



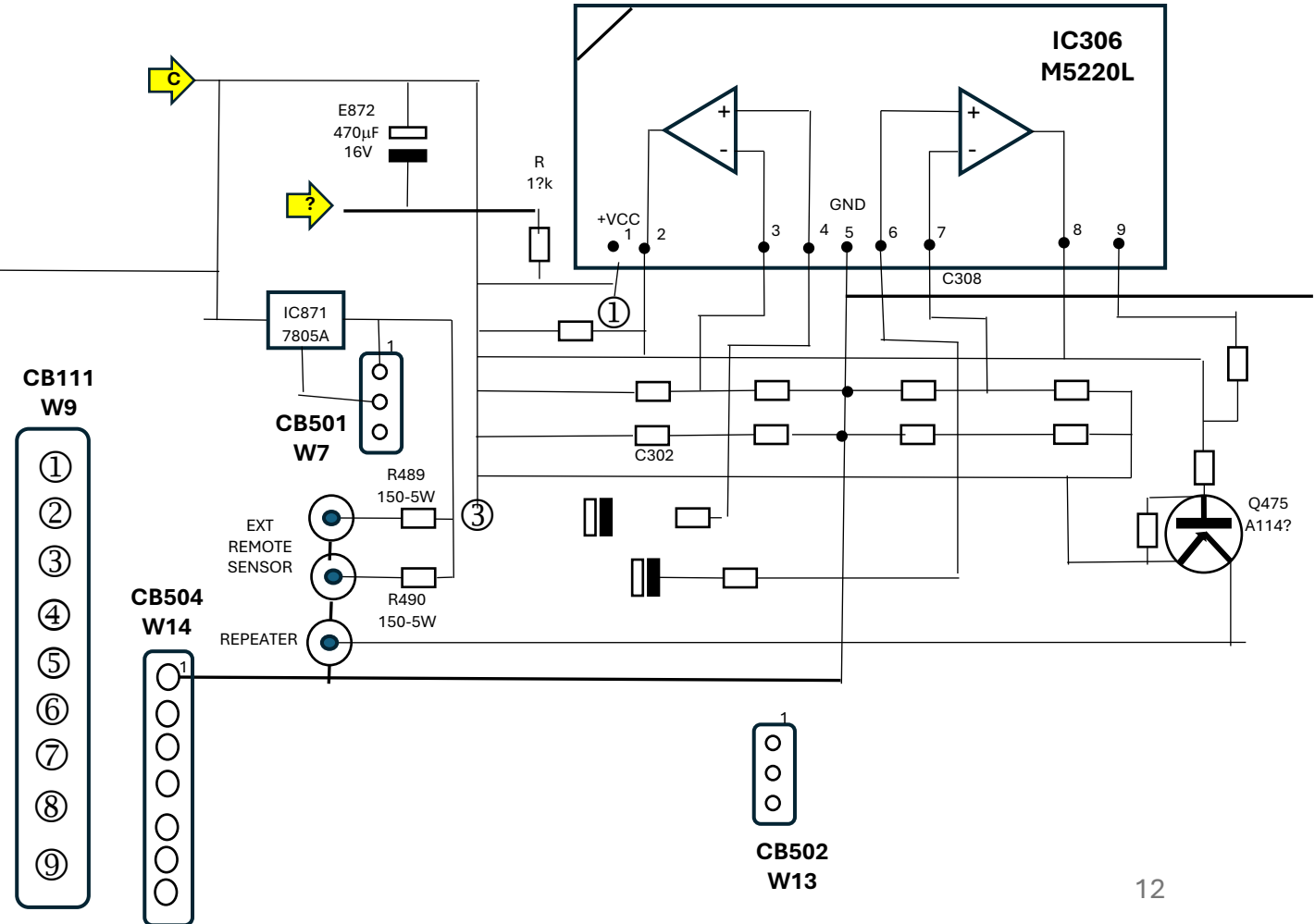
NOTE
 When Preamp is ON, Power Amp receives 0V.
 When Preamp is OFF, Power Amp receives 12V DC



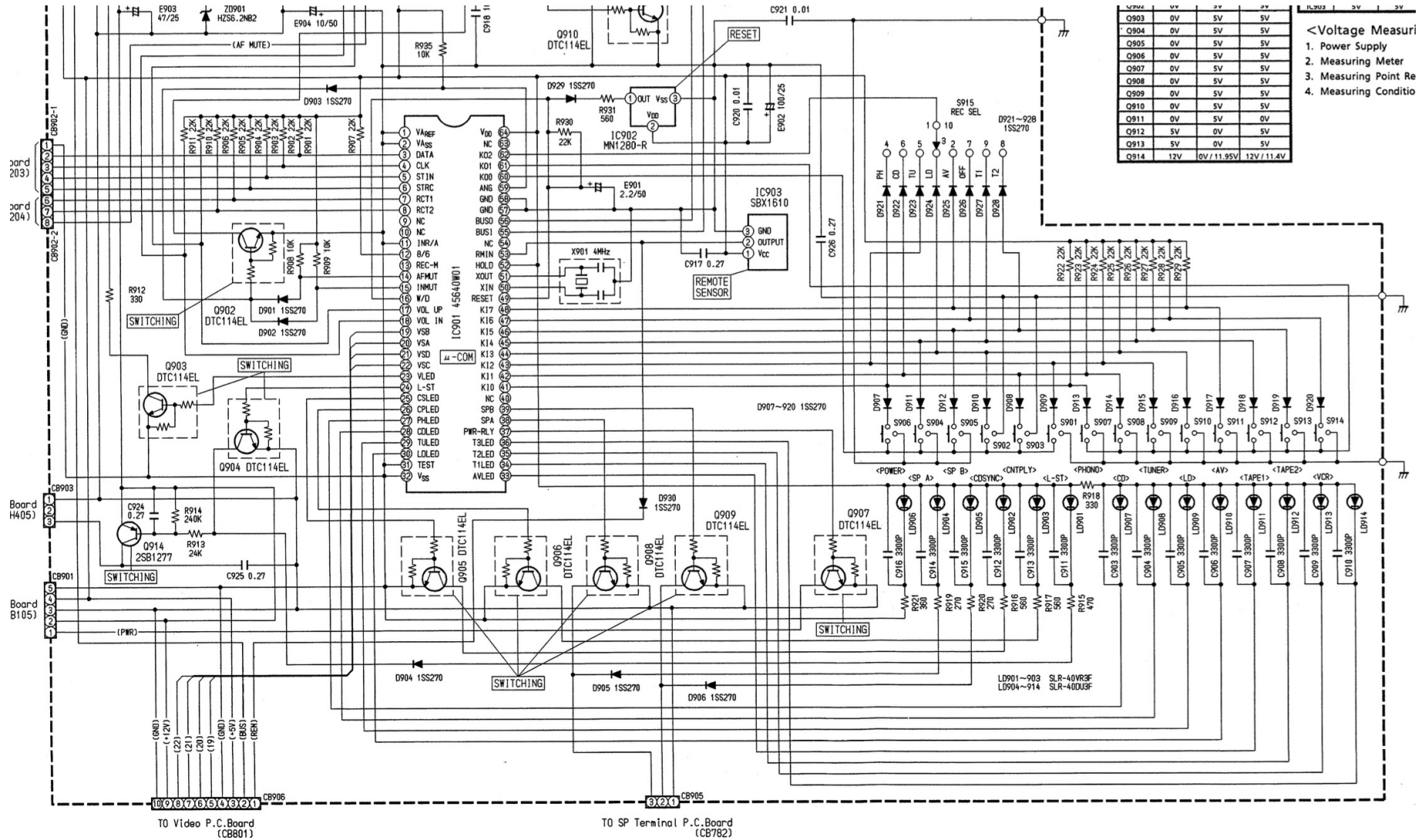
Luxman C383 Video Board



TO BE COMPLETED



Luxman C383 microprocessor



From Luxman A-383, for inspiration only