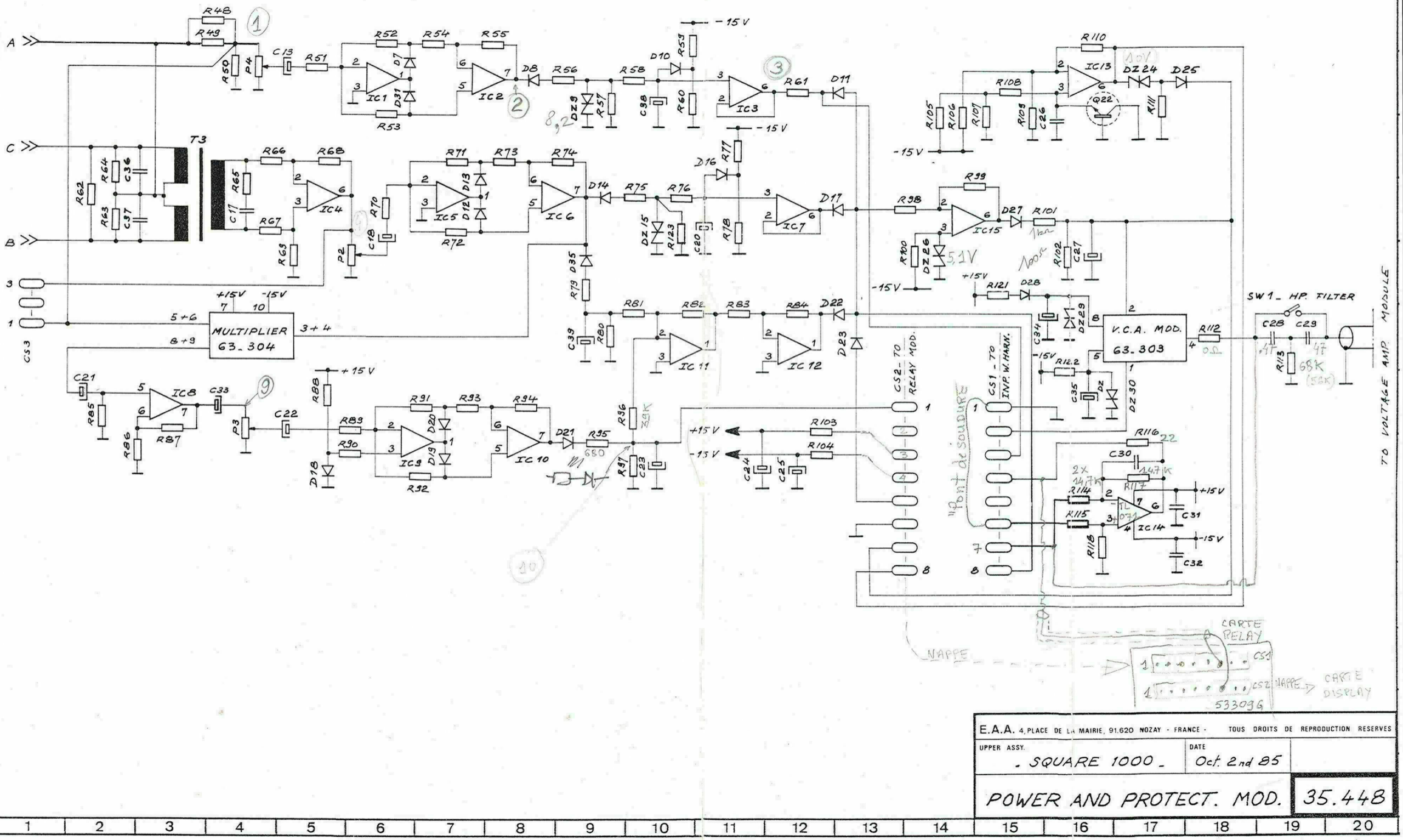



E.A.A. 4, PLACE DE LA MAIRIE, 91.620 NOZAY - FRANCE - TOUS DROITS DE REPRODUCTION RESERVES

| UPPER ASSY. | DATE | |
|---|---|---|
| . SQUARE 1000 _ | Oct. 2nd 85 | |
| POWER AND PROTECT. MOD. | | 35.448 |

HP filtre

Vers ampli

EAA

carte principale

partie securité

Q22

module VCA

1 2 3 4

1 2 3 4 5 6 7 8

IC15 TL71 IC15

IC12 TL71 IC12

monte dessous

5 6 7 8

multiplicateur Escadron

10 9 8 7

IC11 TL72

IC13 TL71

IC8

monte dessous

(+) C21

6 5 4 3 2 1

8 7 6 5 4 -15 3 +15 2 1

vers module Relais +15 et carte face avant

Vers carte entrée face avant

monte à l'envers

IC14 TL71

IC4 TL71

IC7 TL71

IC7

IC6 TL72

IC5

IC10 TL72

IC9

IC3 TL71

IC2 TL72

IC1

courant B push pull

C36/37

P2 C10 C33 P3 C22 C38 P4 C13

A HP

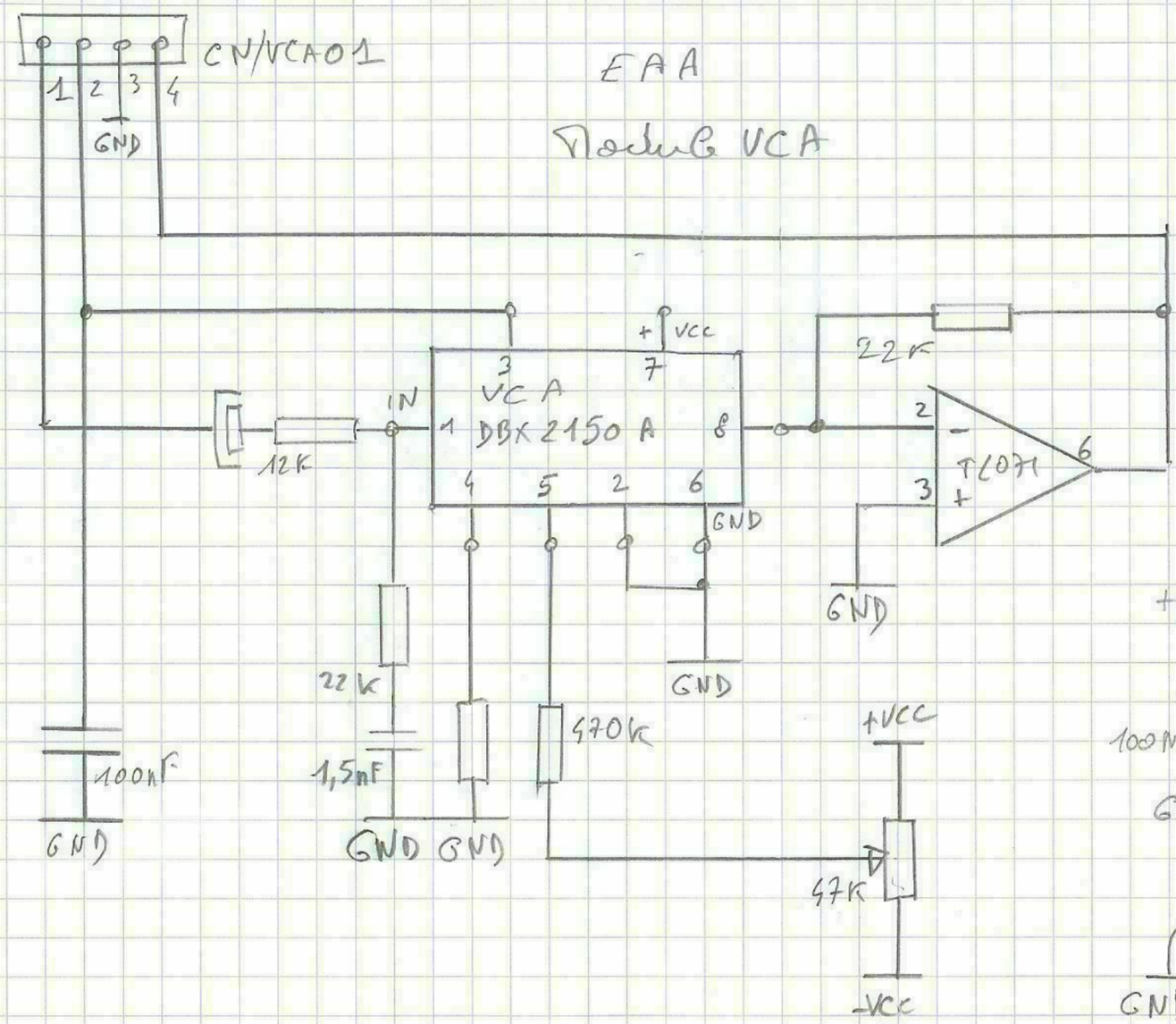
C

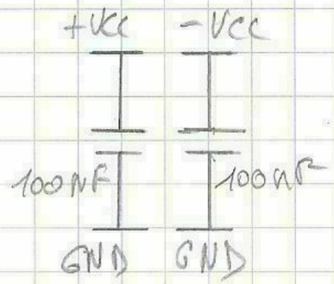
courant push pull

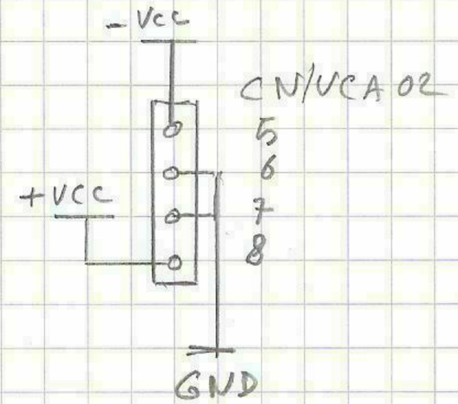
2150 A

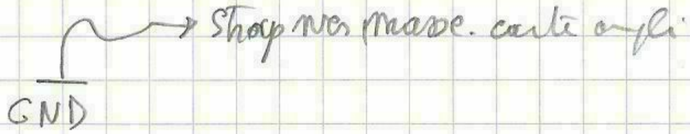
# EAA

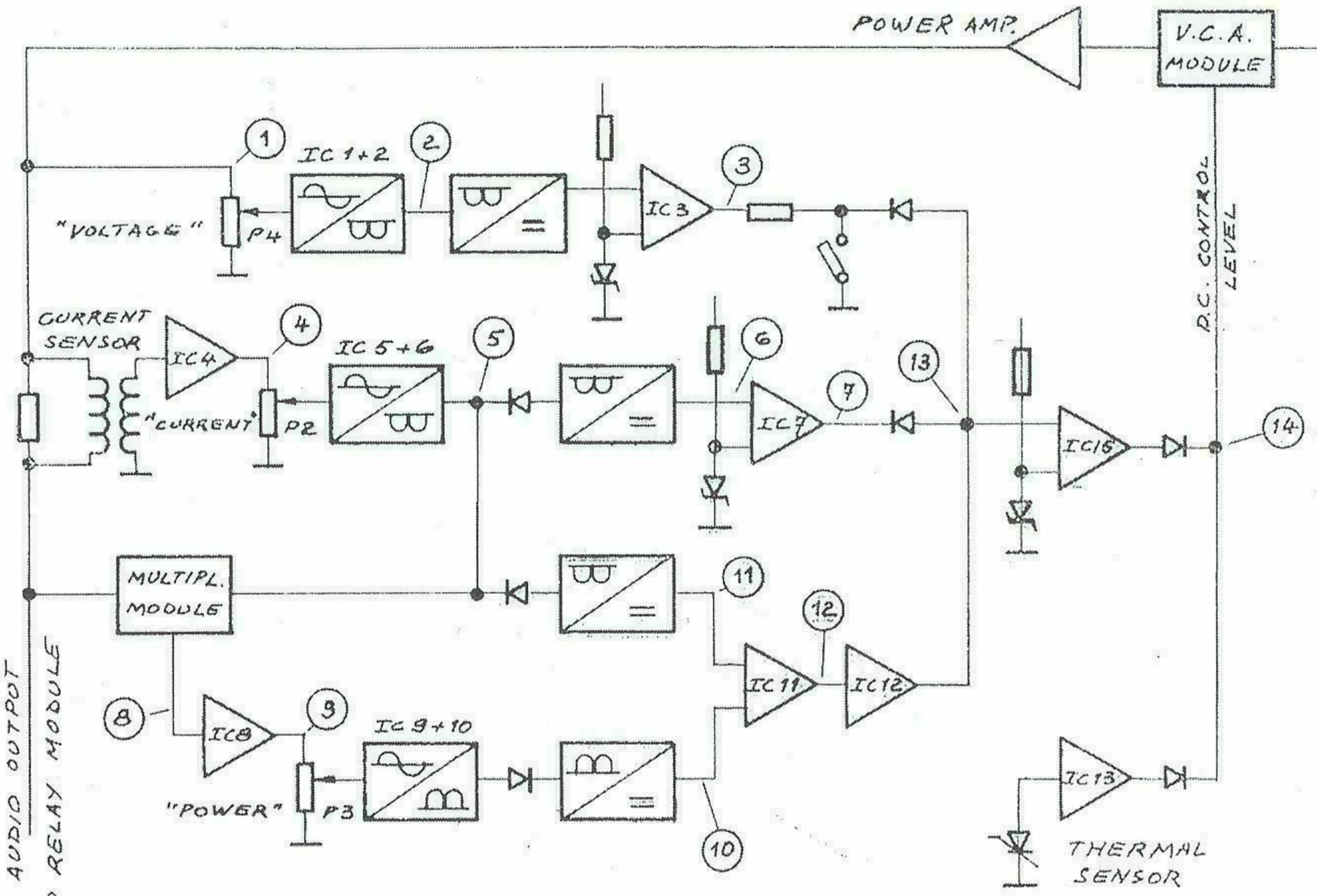
## Module VCA






FOR LOCATION OF TEST POINTS 1 TO 14
PLEASE REFER TO DRAWINGS 35.454 AND 35.458

OPERATING CONDITIONS
- Input frq. 1 kHz
- Output voltage 40 V AC
- Load impedance 2 ohms

| Test Point | Signal scope $Z_L = \infty$ | Signal scope $Z = 2\,\Omega$ | Level A.C. | Level D.C. |
|---|---|---|---|---|
| 1 | ~ | ~ | 5V | 0 |
| 2 | ≋ | ≋ | 1,75V | 3,5V |
| 3 | D.C. | D.C. | 0 | - 4,7V |
| 4 | 0 | ~ | 7,6V | 0 |
| 5 | 0 | ≋ | 1,9V | - 4V |
| 6 | 0 | D.C. | 0 | - 4,7V |
| 7 | D.C. | D.C. | 0 | - 4,7V |
| 8 | 0 | ~ | 4,9V | 0 |
| 9 | 0 | ~ | 5,5V | 0 |
| 10 | 0 | D.C. | 0 | + 10V |
| 11 | D.C. | D.C | 0 | - 4,6V |
| 12 | D.C. | D.C. | 0 | - 10V |
| 13 | D.C. | D.C. | 0 | - 4,5V |
| 14 | D.C. | D.C. | 0 | 0 |

E.A.A. 4 PLACE DE LA MAIRIE, 91.620 NOZAY - FRANCE - TOUS DROITS DE REPRODUCTION RESERVES

| UPPER ASSY. | DATE | |
|---|---|---|
| - SQUARE 1000 - | Nov. 28th 85 | |

POWER AND PROTEC. MODULE
BLOCK DIAGRAM AND TEST POINTS

35.471

provenant du circuit de polarisation

6,8k 3w

+18

+A

100pF 25V

18V

330pF 16V

2,2k

47k

680

150

5401

BF787

150

2,2k

150

2,2k

5401

BF790

680

5551

150

2,2k

150

5551

680

100nF

100k

100pF

3

33k

05

06

680

8

33k

2,2k

680

30k

4

27k

7

1,5k

2,2k

10k

10k

18V

-18

3,3n

-18

-A

100nF

741

10pF

100k

100

470pF 6,3V

470pF 6,3V

# Ampli EAA - module entrée pushpull

1/2

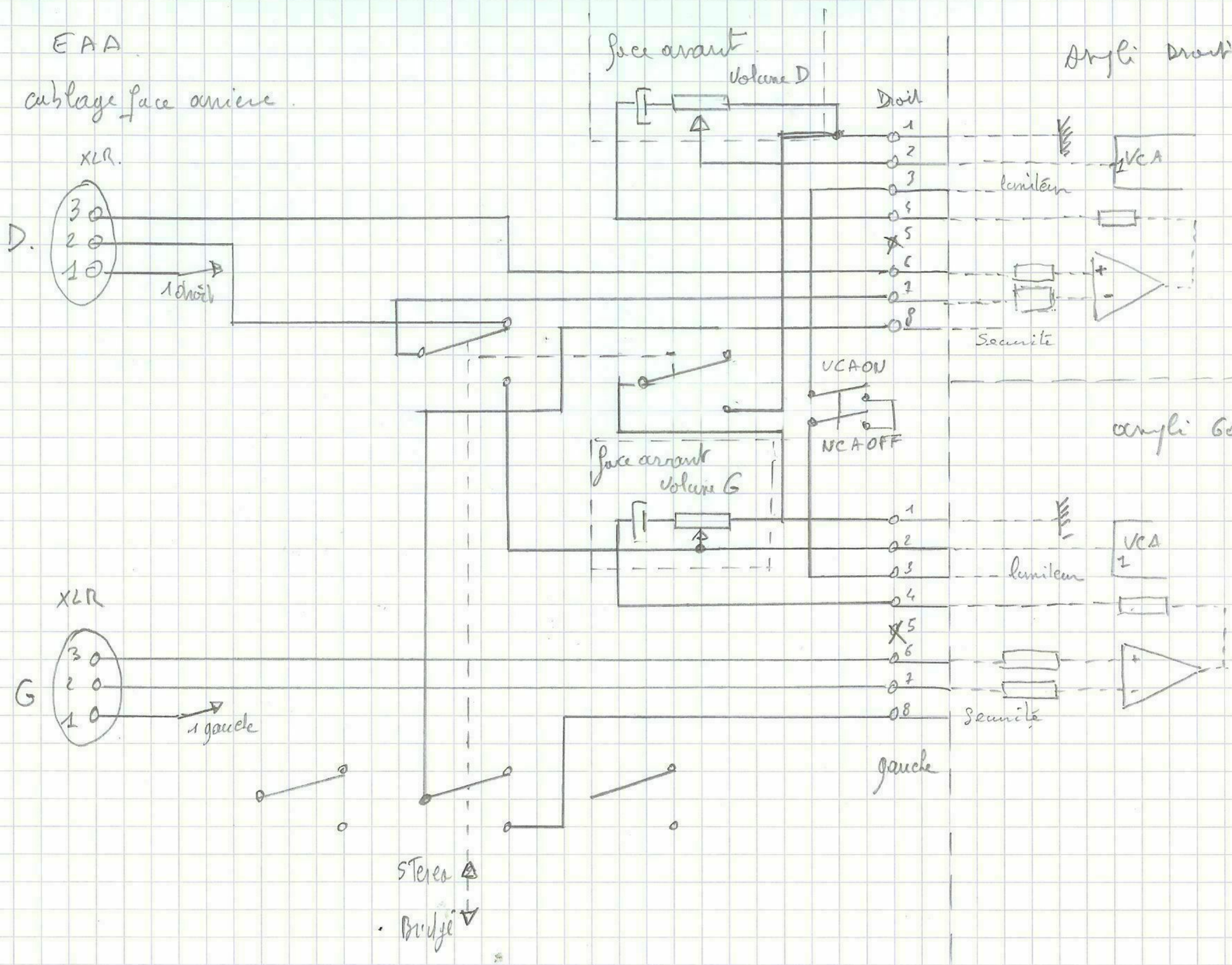
| | | | | | |
|---|---|---|---|---|---|
| 2N5401 | PNP | BD441 | NPN | 2N3584 | NPN |
| 2N5551 | NPN | BF787 | NPN 250V 0,1A 2W | 2N6212 | PNP |
| | | BF790 | PNP 250V 0,1A 2W | MJ15024 = | NPN |
| | | | | MJ15025 = | PNP |

E C B

E B C

EAA

câblage face arrière.



22
10
9
8
7
4
3
3,3Ω
LIM+
3,9K
47nF
2,2K
1KΩ
1KΩ
3,3Ω
LIM-
BF787
39Ω
2N3584
330
47nF
10Ω 3W
E1
E2
E3
E4
E5
E6
E7
3,3
47nF
3,3
7×NJ15024
7×0,47Ω 5W
HP
10Ω 3W
100nF
7× NJ15025
BF790
2N6211
IDEM TIROR
2
1
22
LIM+
470nF
E1
150Ω
4,7K
2N9222
220
4,7nF
HP
HP
4,7K
220
4,7K
470nF
150
LIM-
E1'
E2 E3 E4 E5 E6 E7
220 220 220 220 220 220
3,3Ω
Vers semi Fé
detection du
courant.

BD441 BD551 17,55V 68Ω 3,3k 1,5k 6,8k 22k 4,7k 470pF 5V 100µF 24V 18V 220µF 16V 4,7k x 2 2N2222 ① carte n-bars ⑫ PKACON 4202006 1

+18 Privoye 1kΩ 10Ω 5w 441

6,8k 39k 555 2 4 8 7 6 5 3 1 5 10nF 4,7µF 4,7k 220pF 220pF 150Ω 47k 441 jaune jaune 10k

Note 1
+15V depuis
fil orange ligne 1
-15V ok

1k 2222 rouge 10k 22k +18 Privoy 3,3Ω 470k 4,7k 10k 39k 18k 47k 3,3Ω -18 BBu

≥4,2V ?

voir Note 1 4,7k 47k 10k 2222 470k 10k 39k

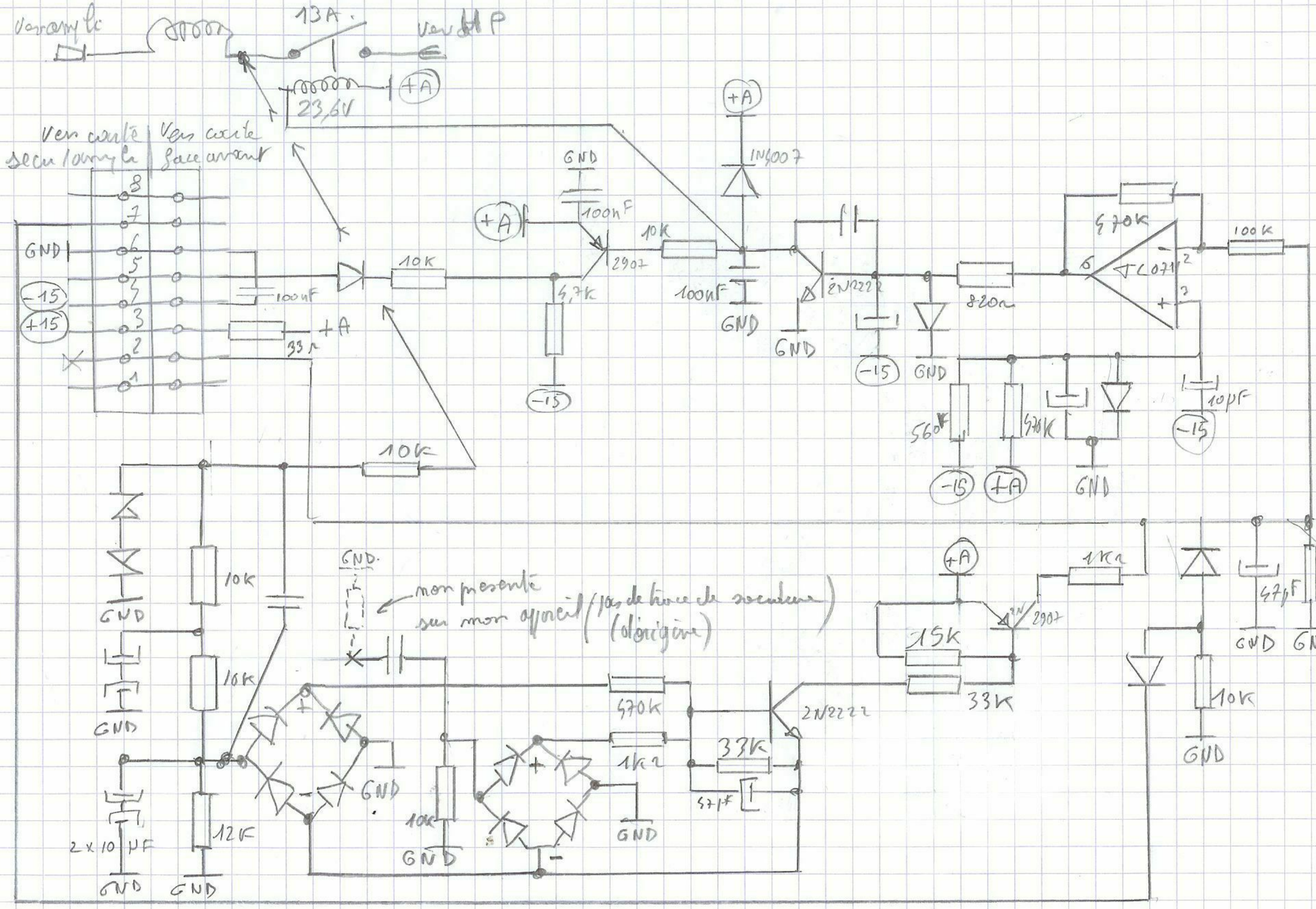
8 7 6 5 4 3 2 1 -18 +18

G +18 -18

# EAA carte relais

KACO RR23001 L1

PNP 2N2907 NPN 2N2222



T N Ph

Chassis

20 AT

20 AT

Bornier face arrière

Barrette à Gauche

Ventilateur 115V 20W

57µF 25V

100k

5AT

2AT

2AT

1 6 7 Ph 9 11 N. 12

560

2200µF 25V

8V

2200µF 25V

18V

560

1000µF 50V

1000µF 50V

+16

-16

17 18 19 20 21 22

KLIXON

KLIXON.

3x680nF

1x 220nF 600V

15A-T

pont 1

15AT

+ AmpliD

- AmpliD

pont 3

15AT

15AT

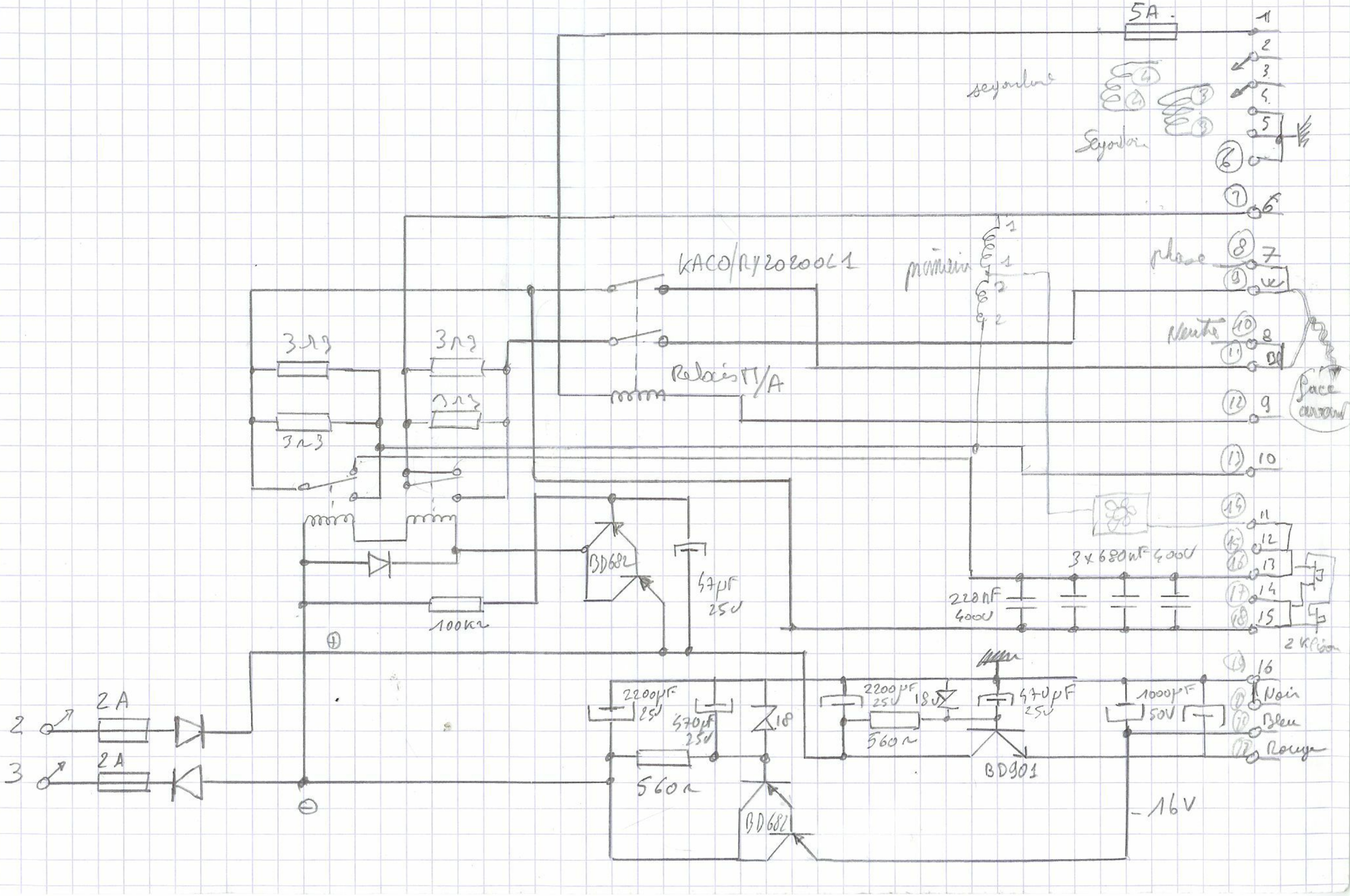
+ AmpliG

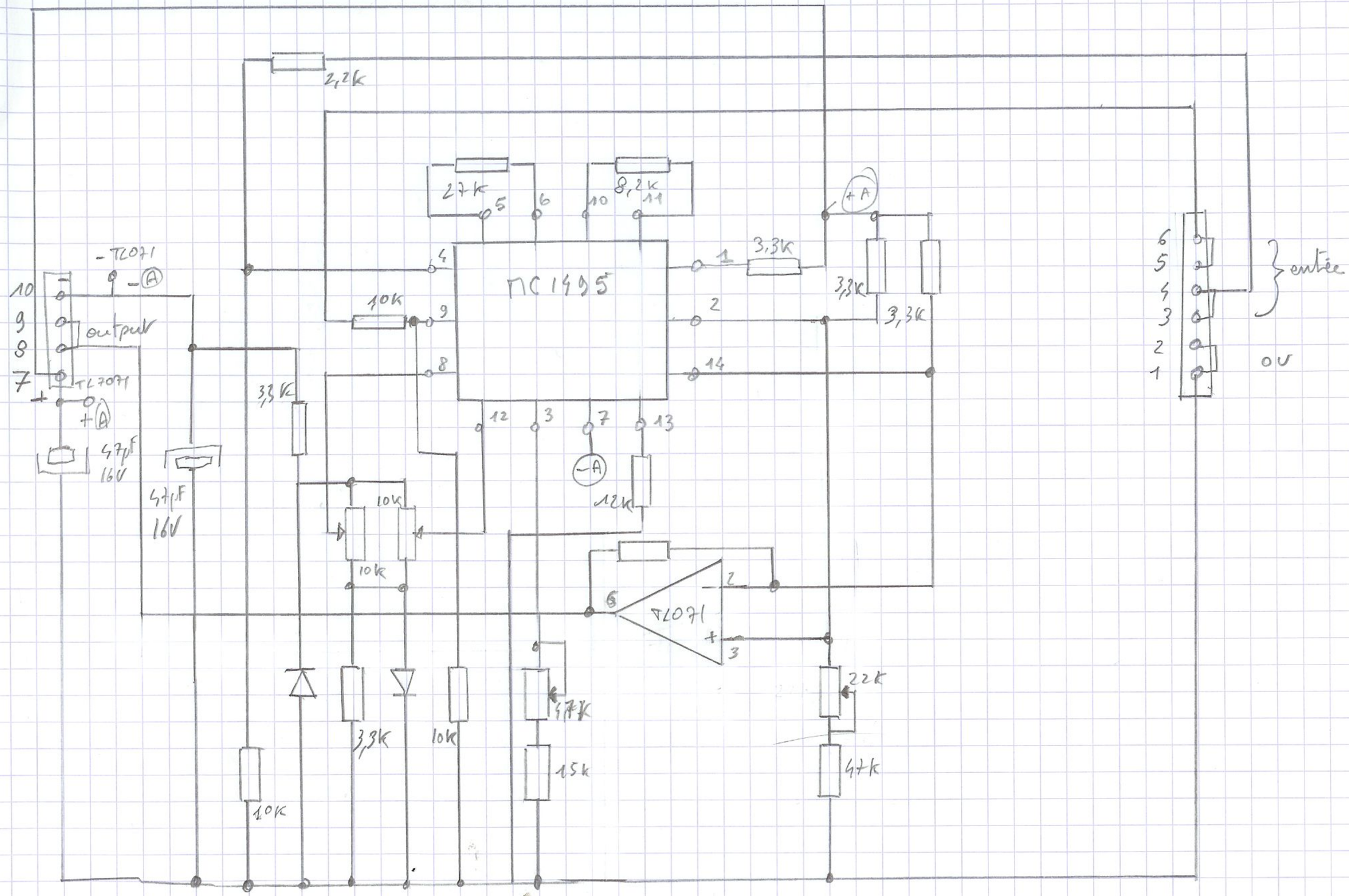
- AmpliG

0 D et G

EAA

Commutation secteur.






EAA

multiplicateur 4 cadran