

Thomson CSF, ER-104-A transceiver

Control Box



Upper: ER-104-A

Lower: Collins 618T

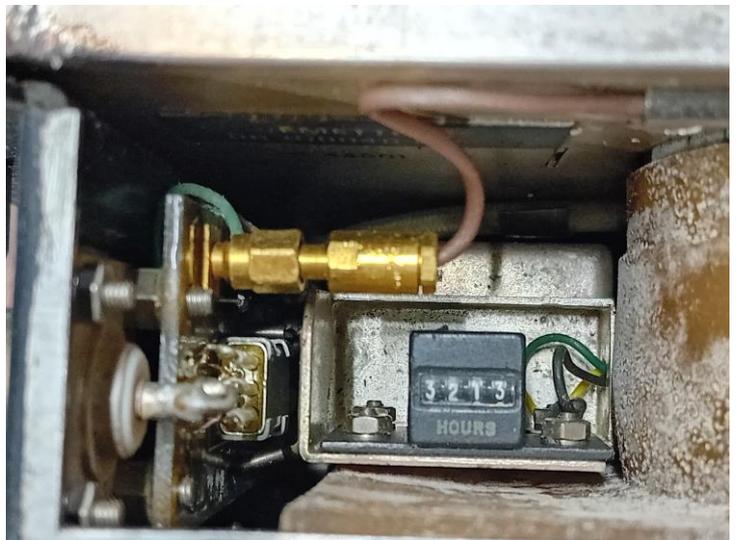
Note: identical connectors



ER-104-A front view



ER-104-A rear view (case removed) Note: connector ER-104 and 618T are identical. The ER-104-A and its control box fit straight in the 618T-2 mounting. The ER-104-A can't be combined with the 618T control box!!!

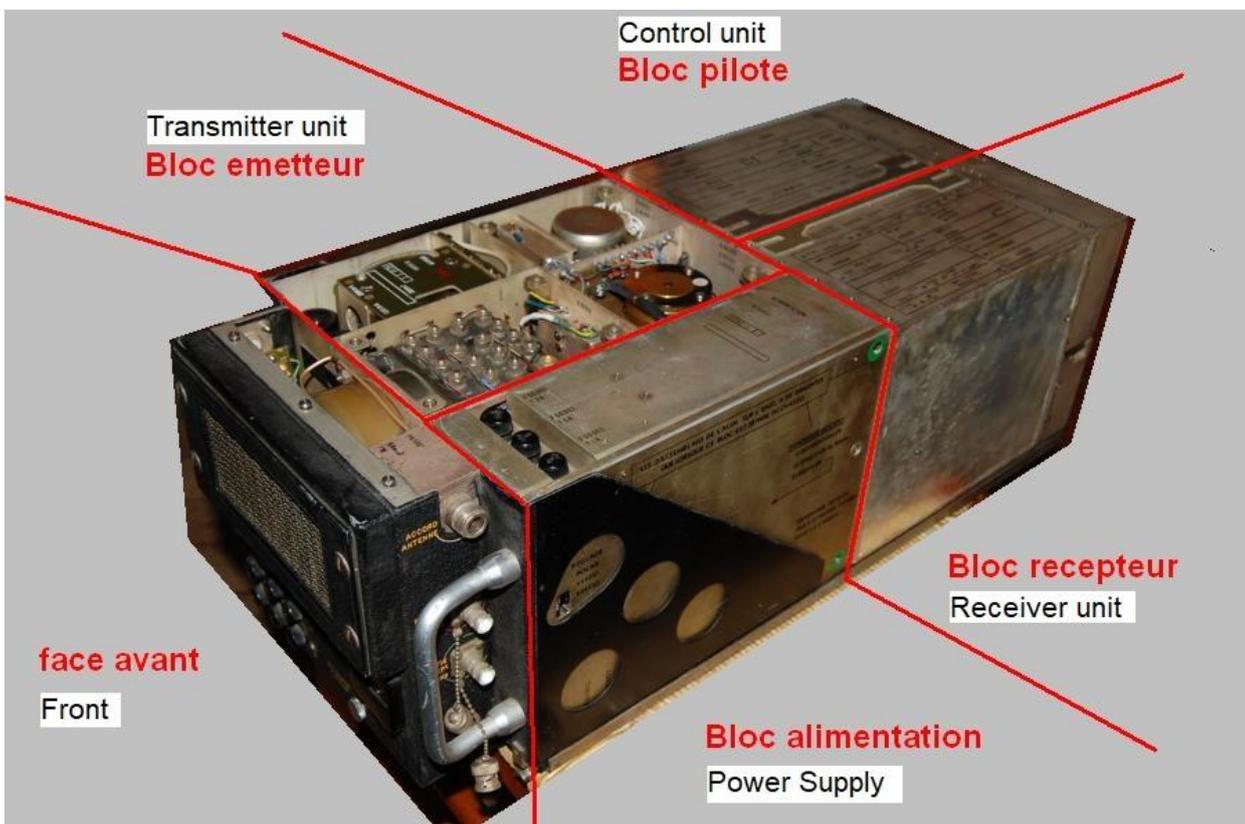


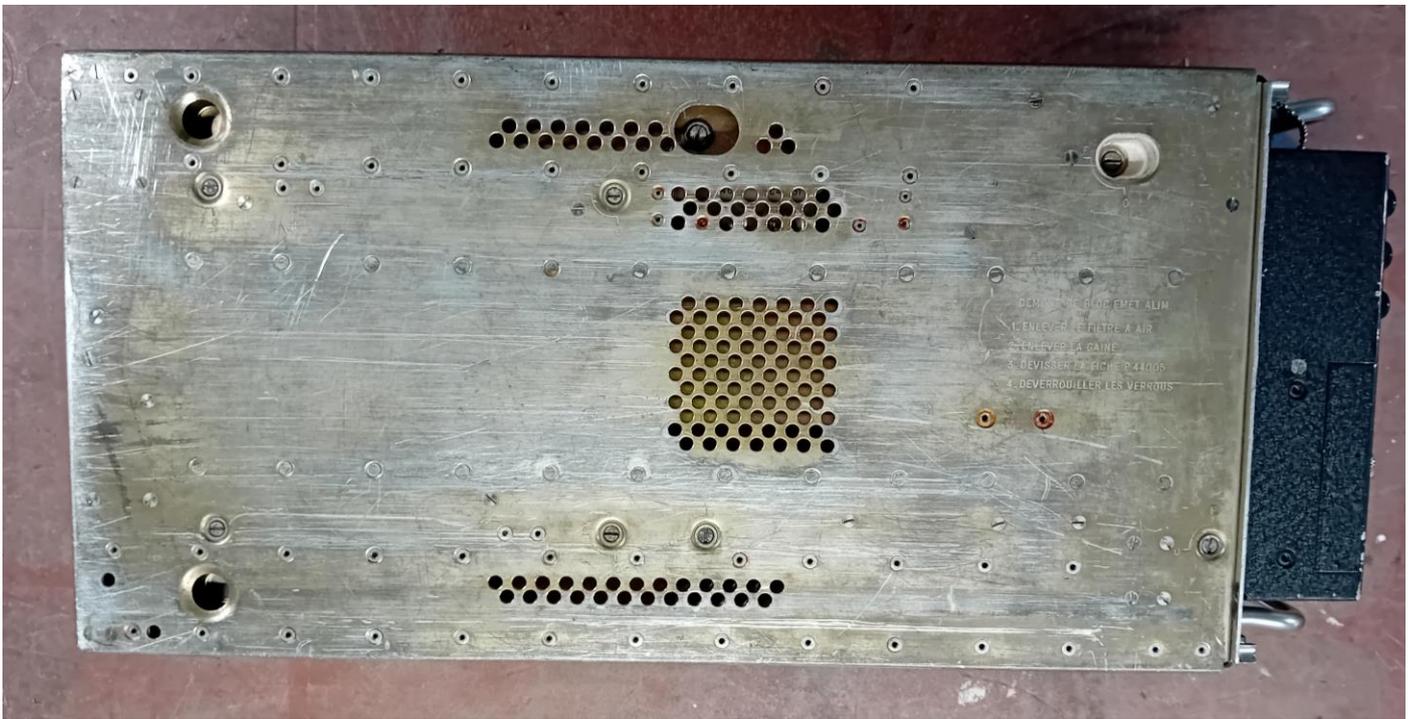
Inside "ENTRÉE AUX RECEPT" connector

*Front-left and Front-right
[See: Abb. 53, page 85 of manual]
"SHIFT" conn. possibly for F1 mode.*



Top view, front part (left: driver & PA unit, right: Power Supply unit).

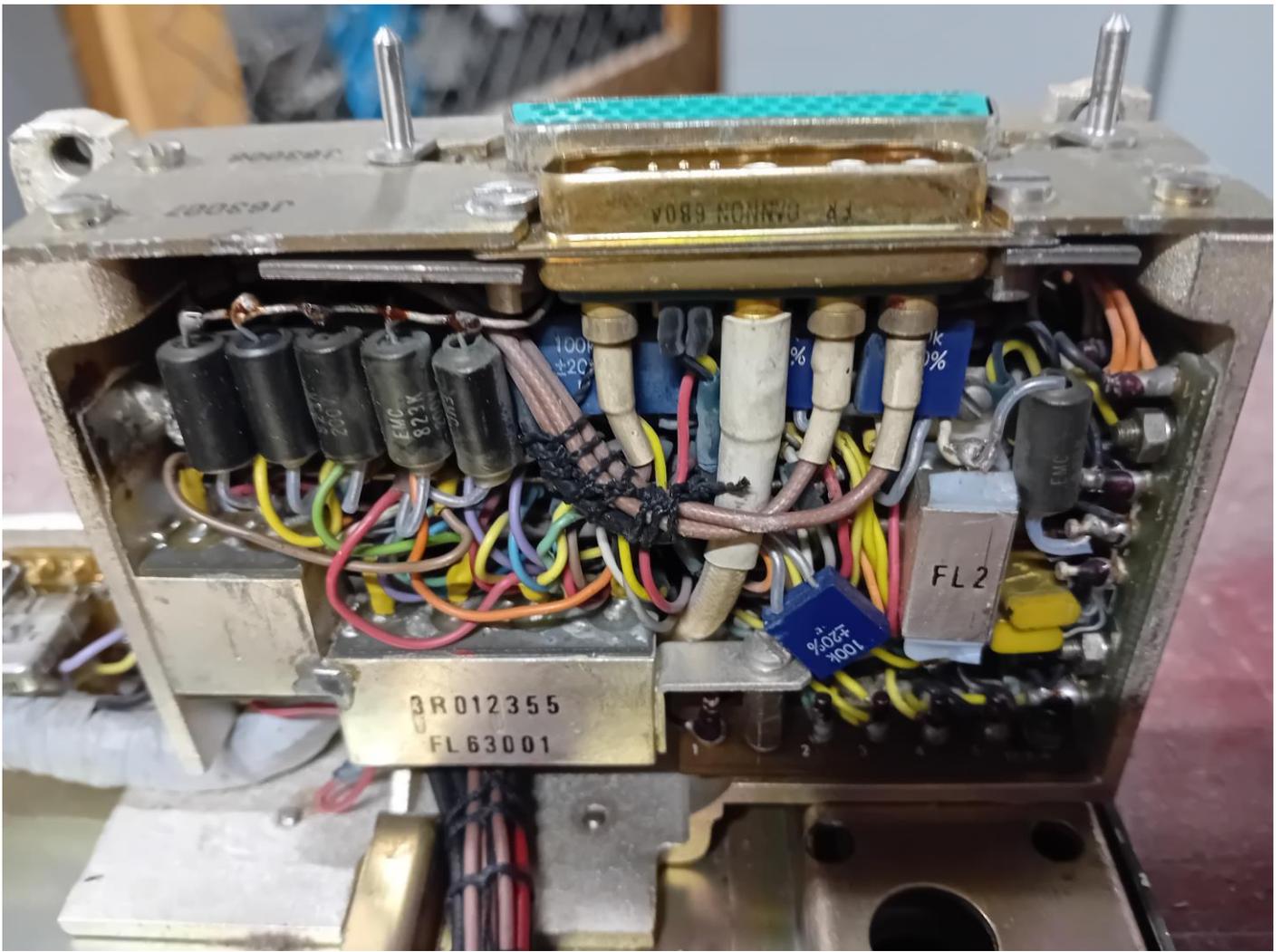




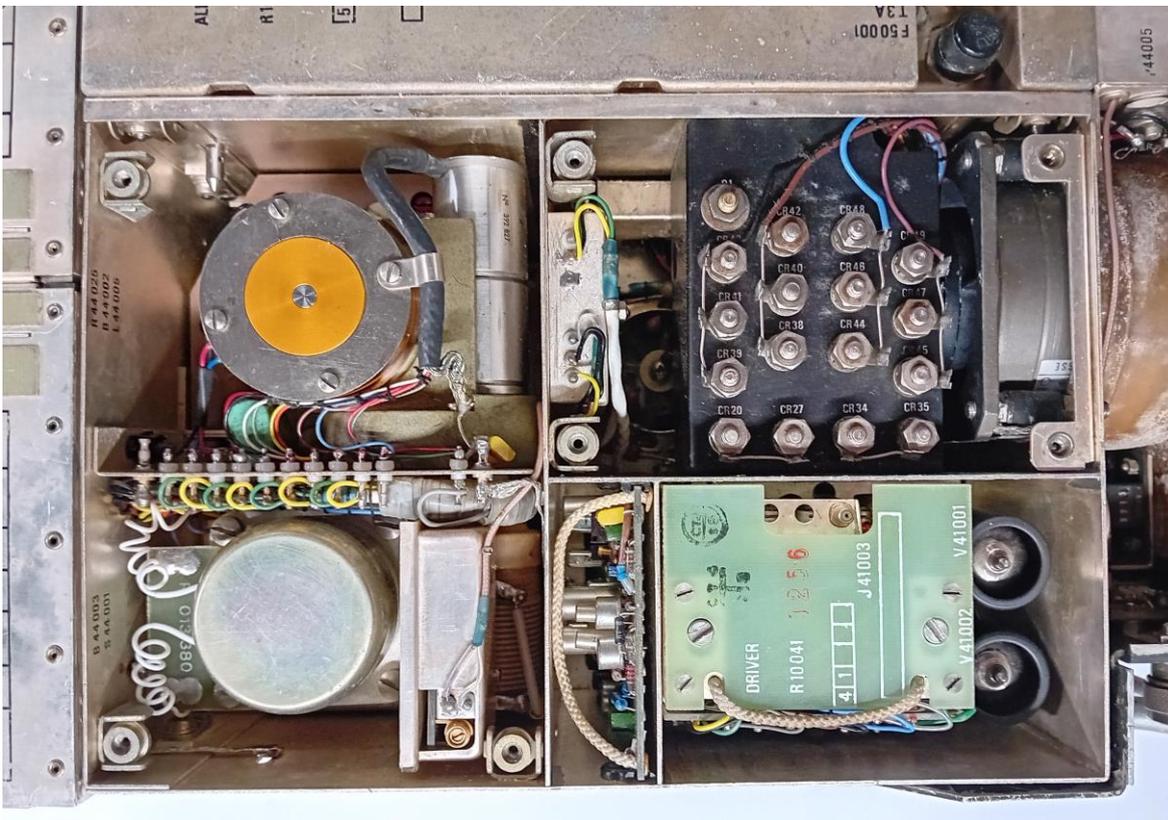
Bottom view.



Control- and Receiver unit removed from chassis.

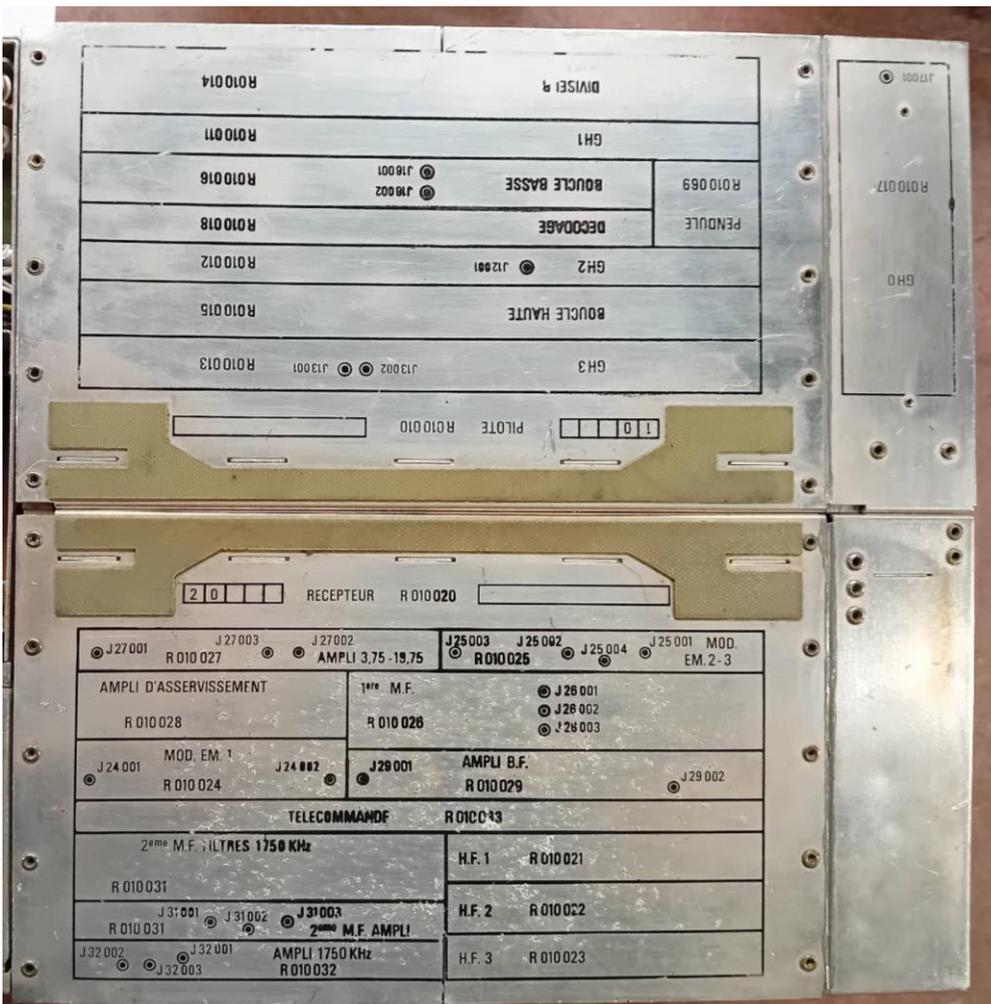


Components below receiver connectors in chassis.

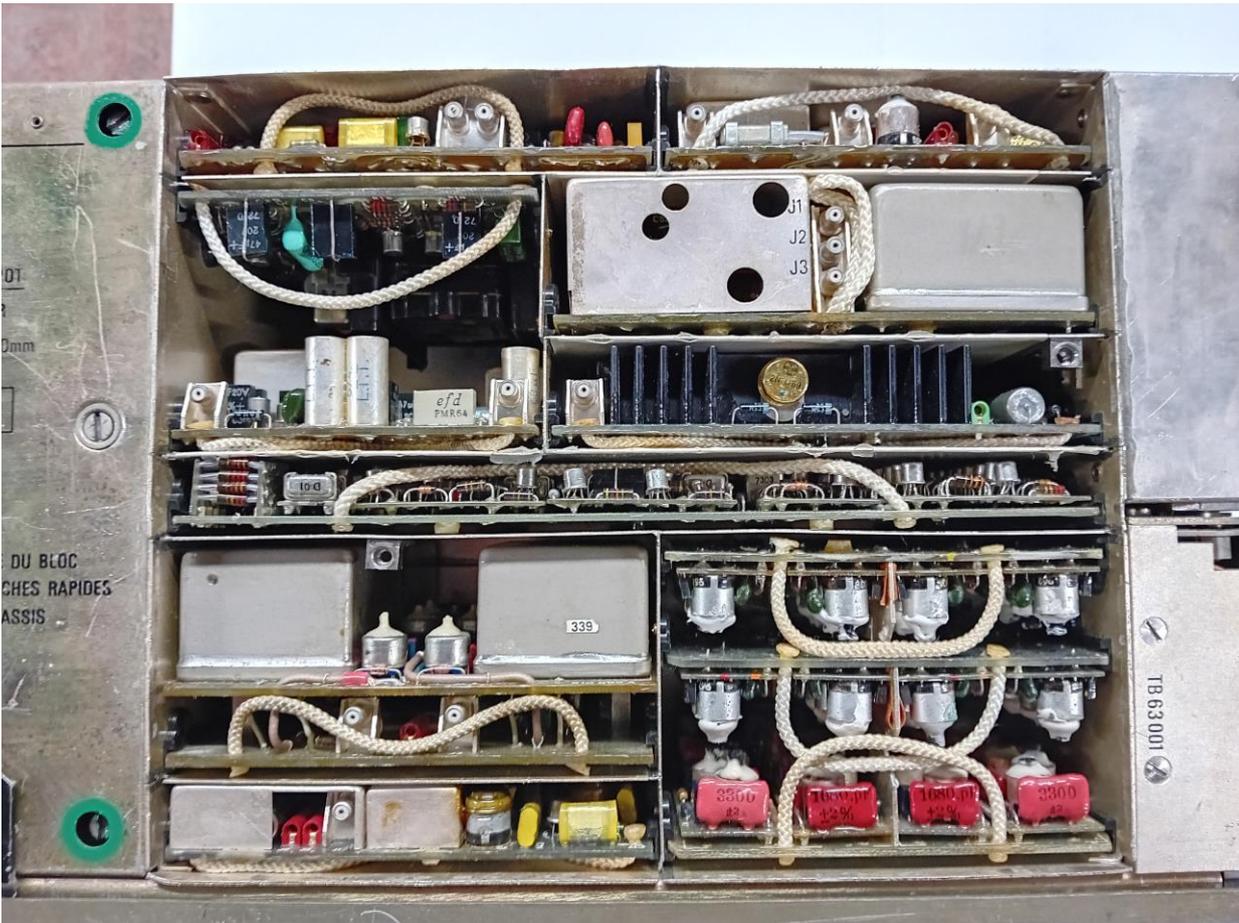
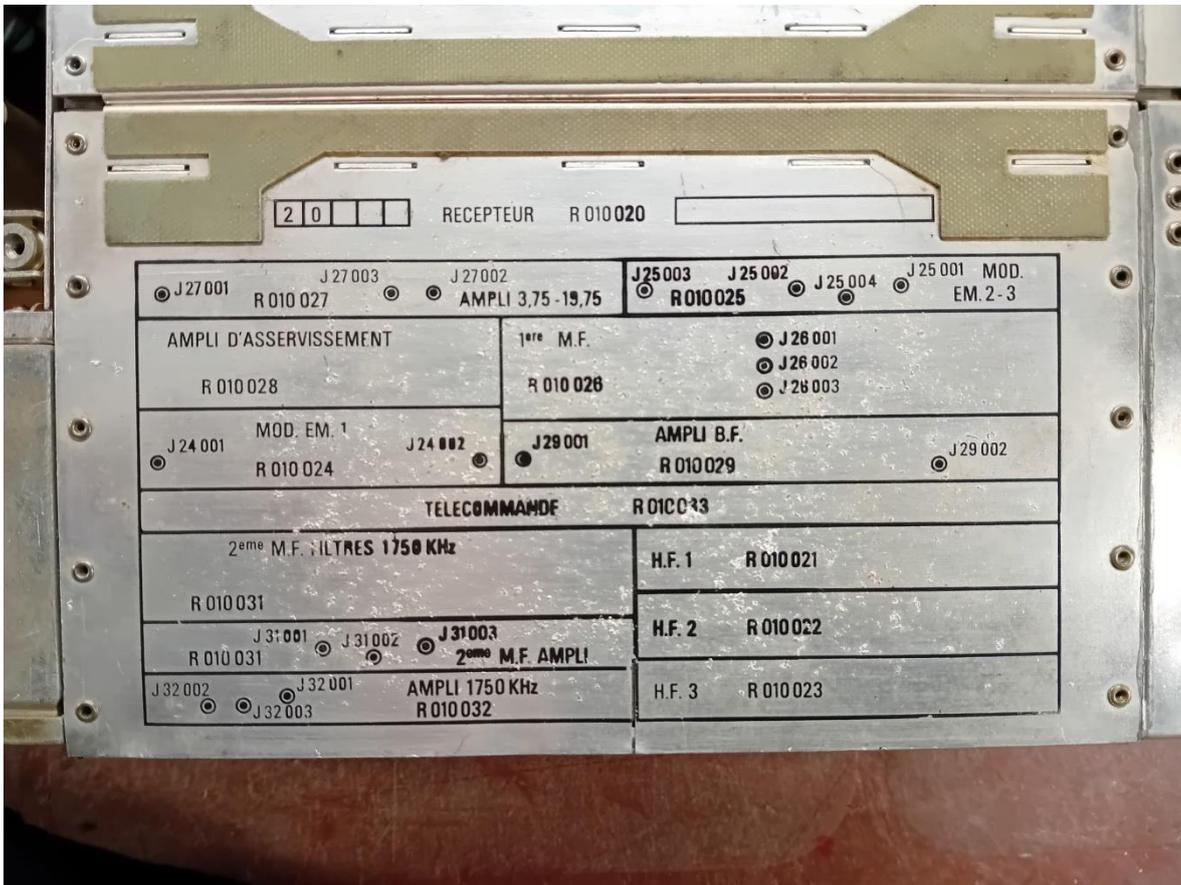


Top view of
Driver & PA

See page x



Top view of Control-
and Receiver unit.



Receiver modules. (Accessible by removing the cover on the right side of the TRX.)



R 010 010 Cover **control unit**, left-back side of trx.

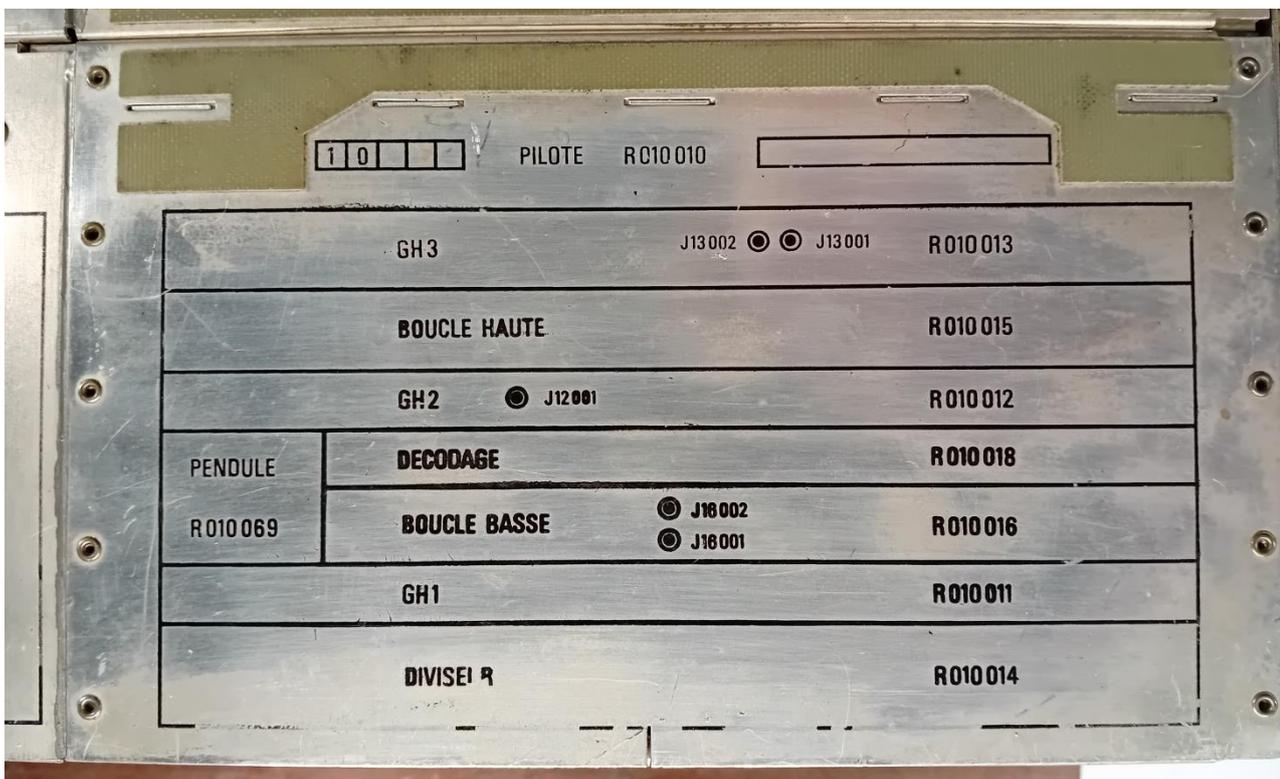


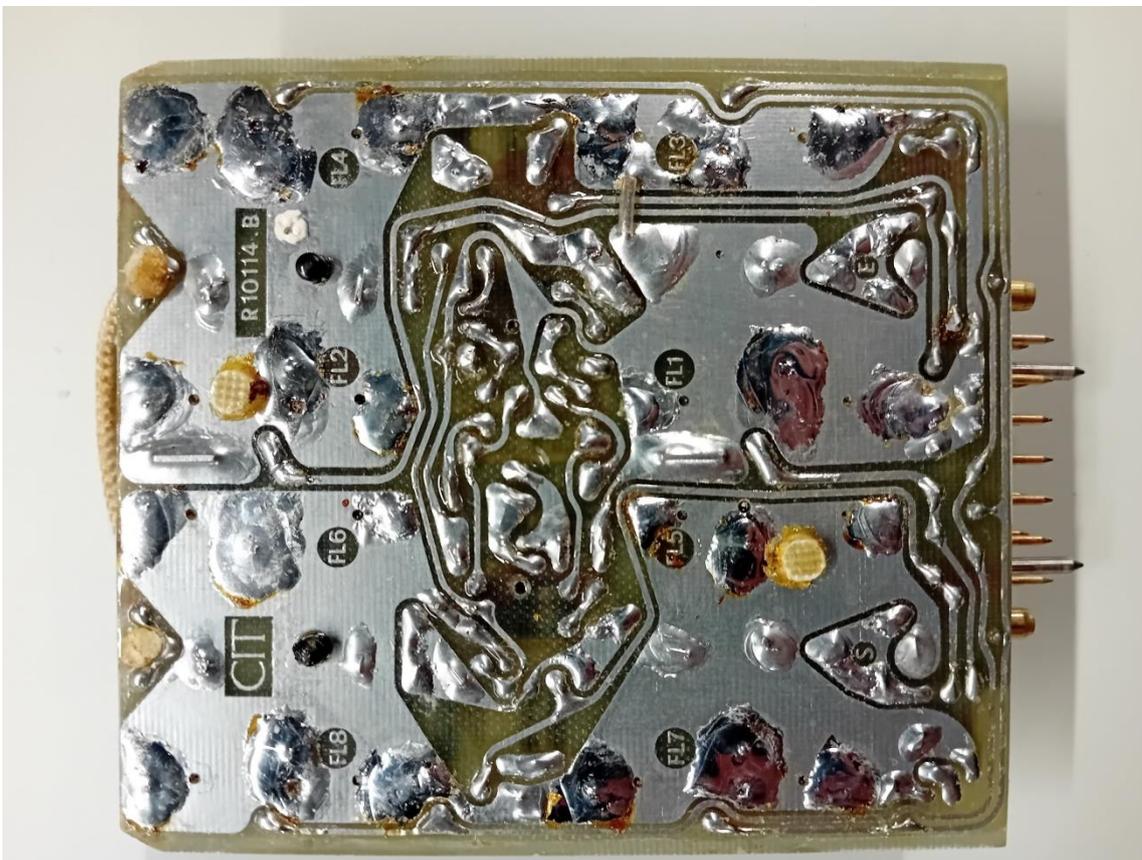
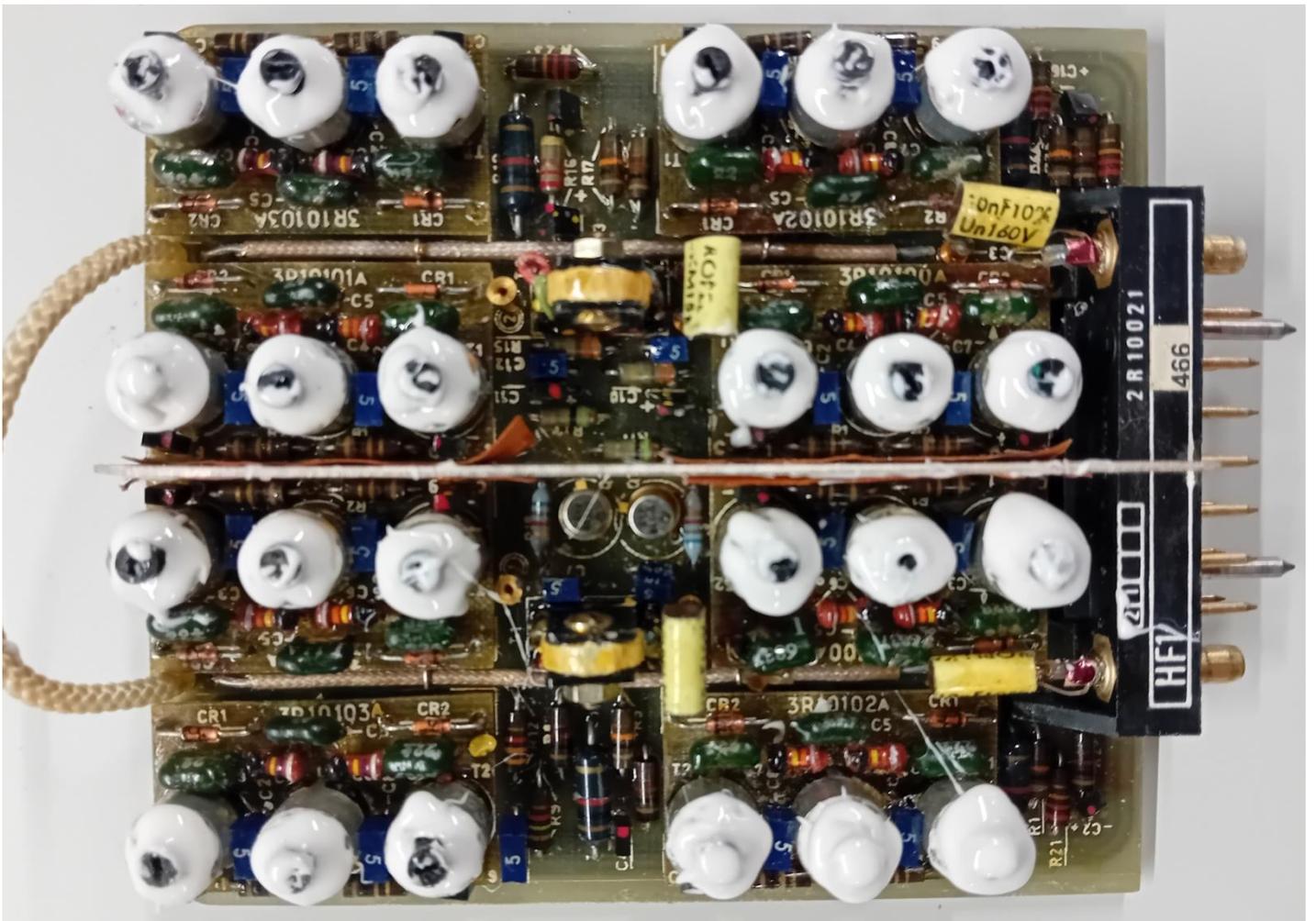
Note that this number also exists on the top-front of the trx. Probably there are different versions of the ER-104.





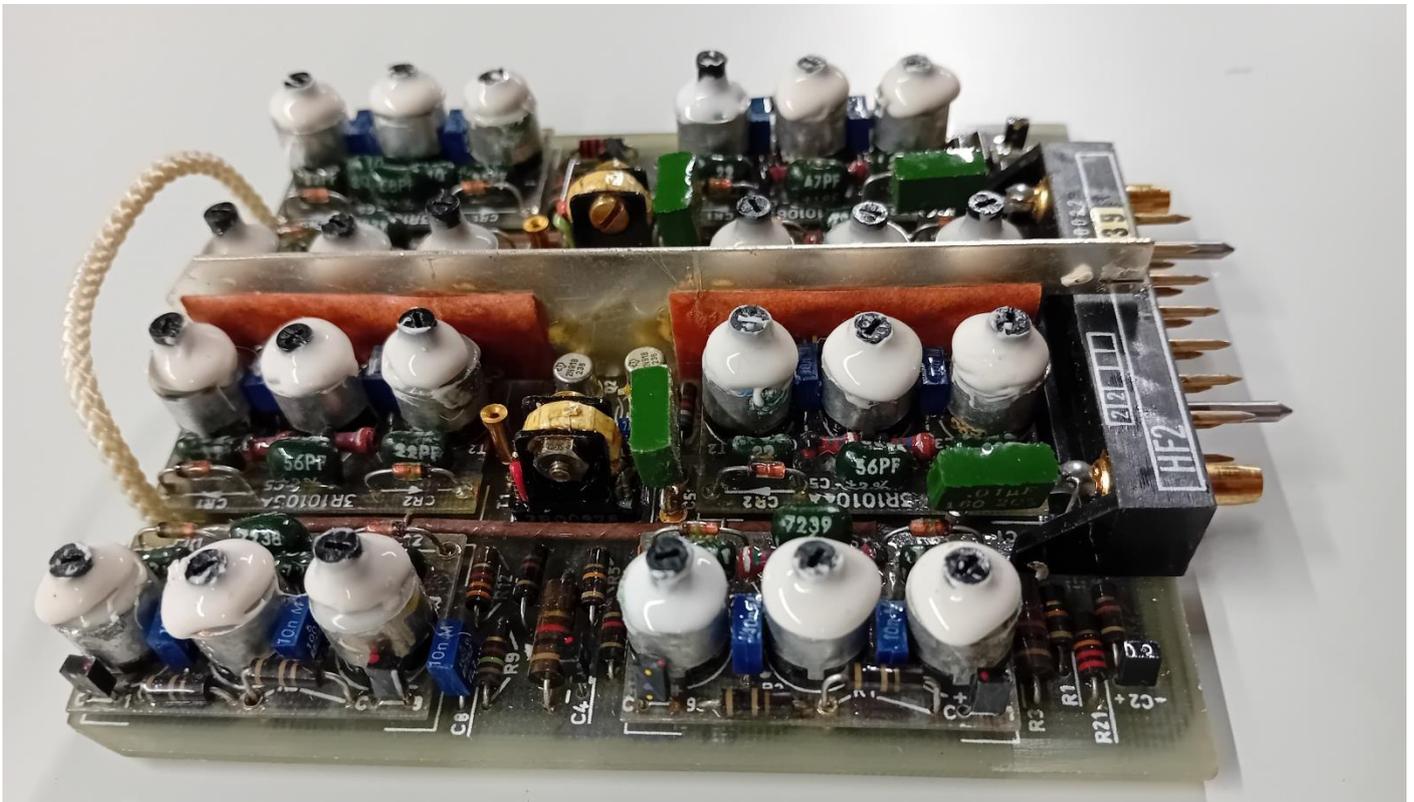
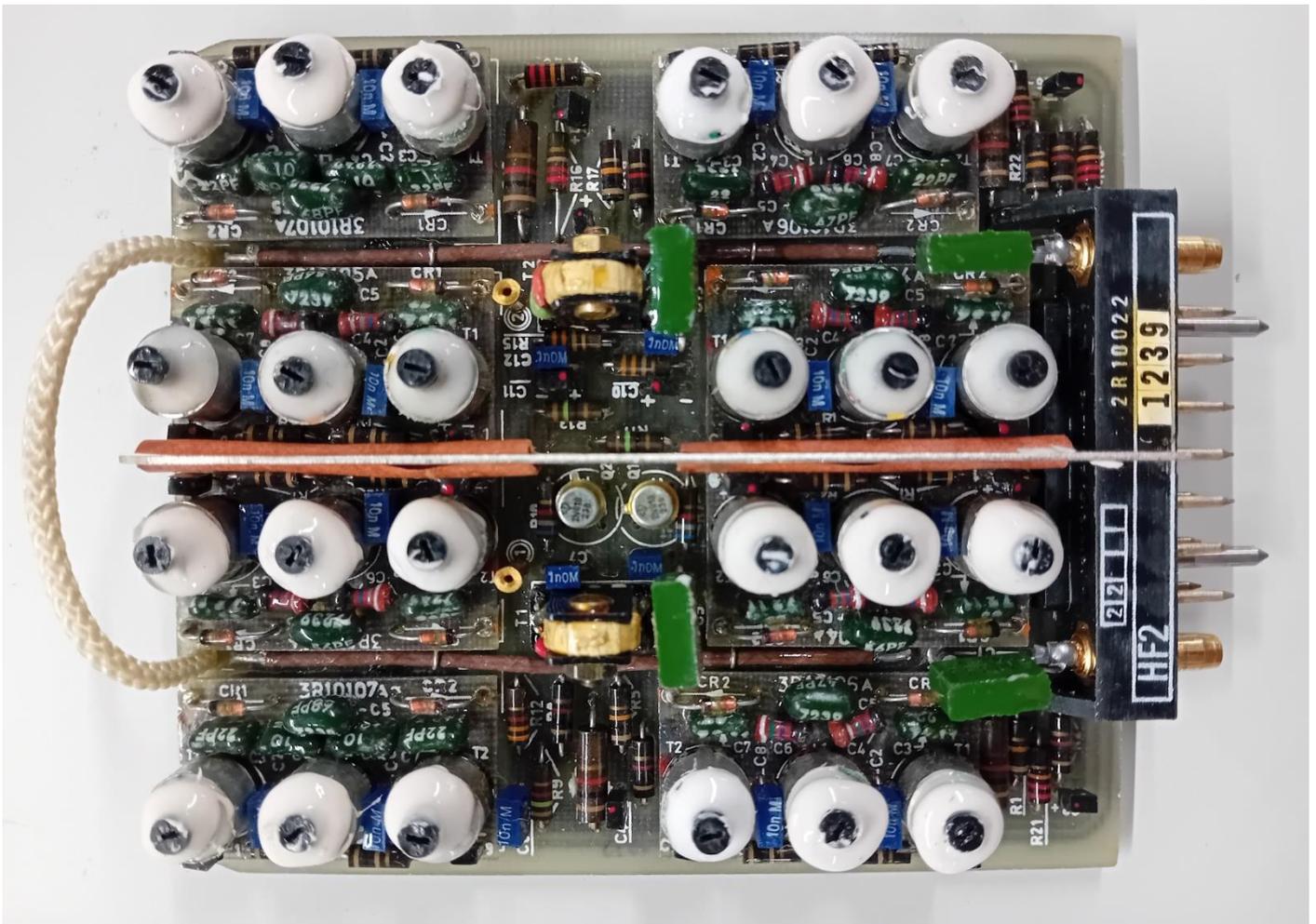
Modules of the **control unit**, left-back side of *trx*.





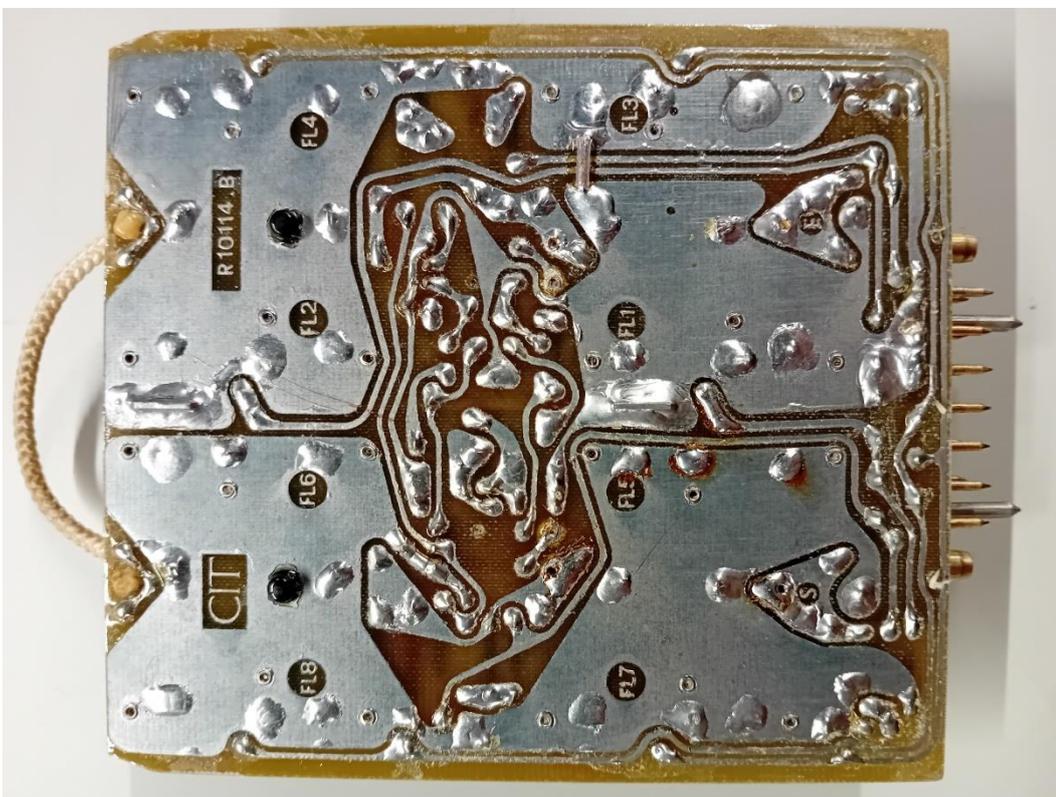
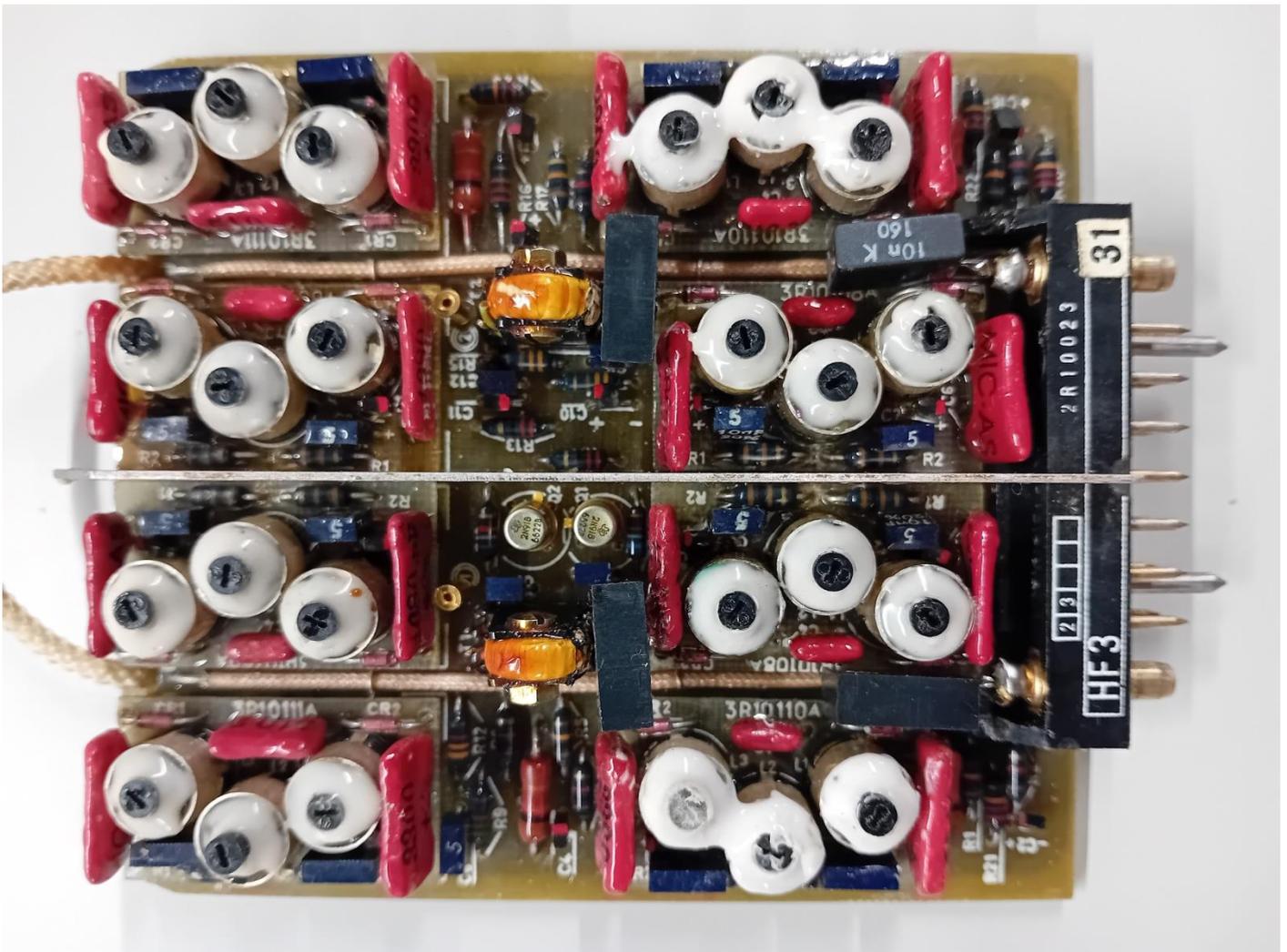
R 010 021 HF1

[Abb.4 pag.31]



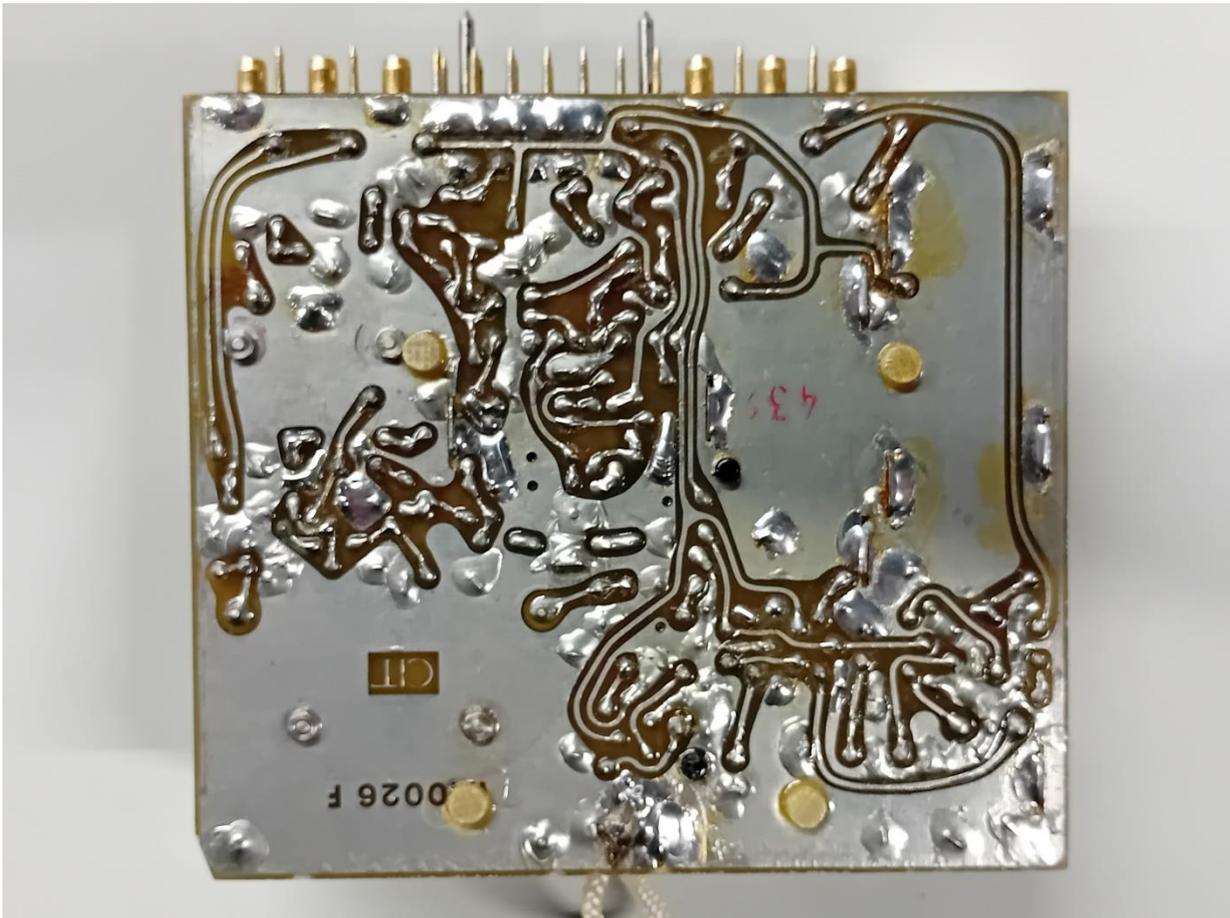
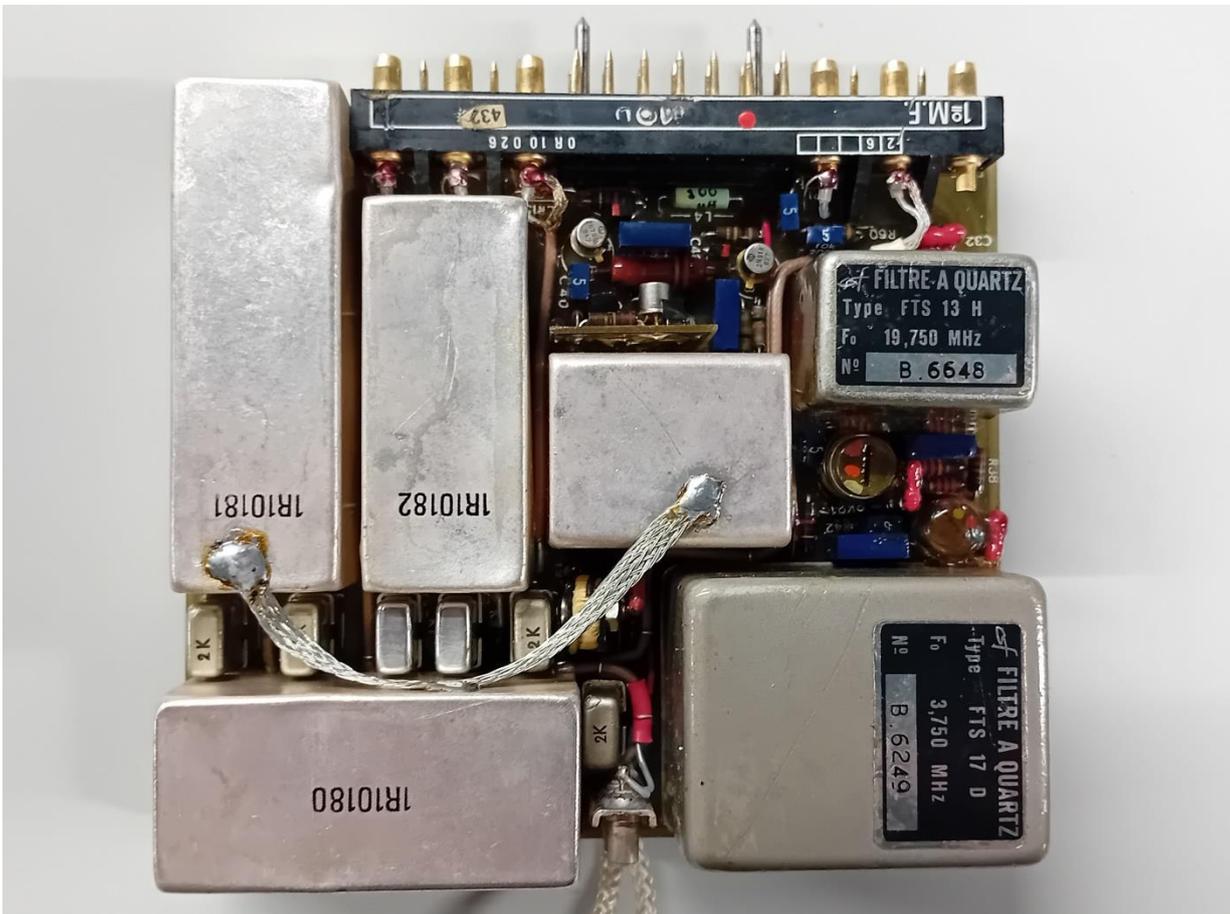
R 010 022 HF2

[Abb.4 pag.31]



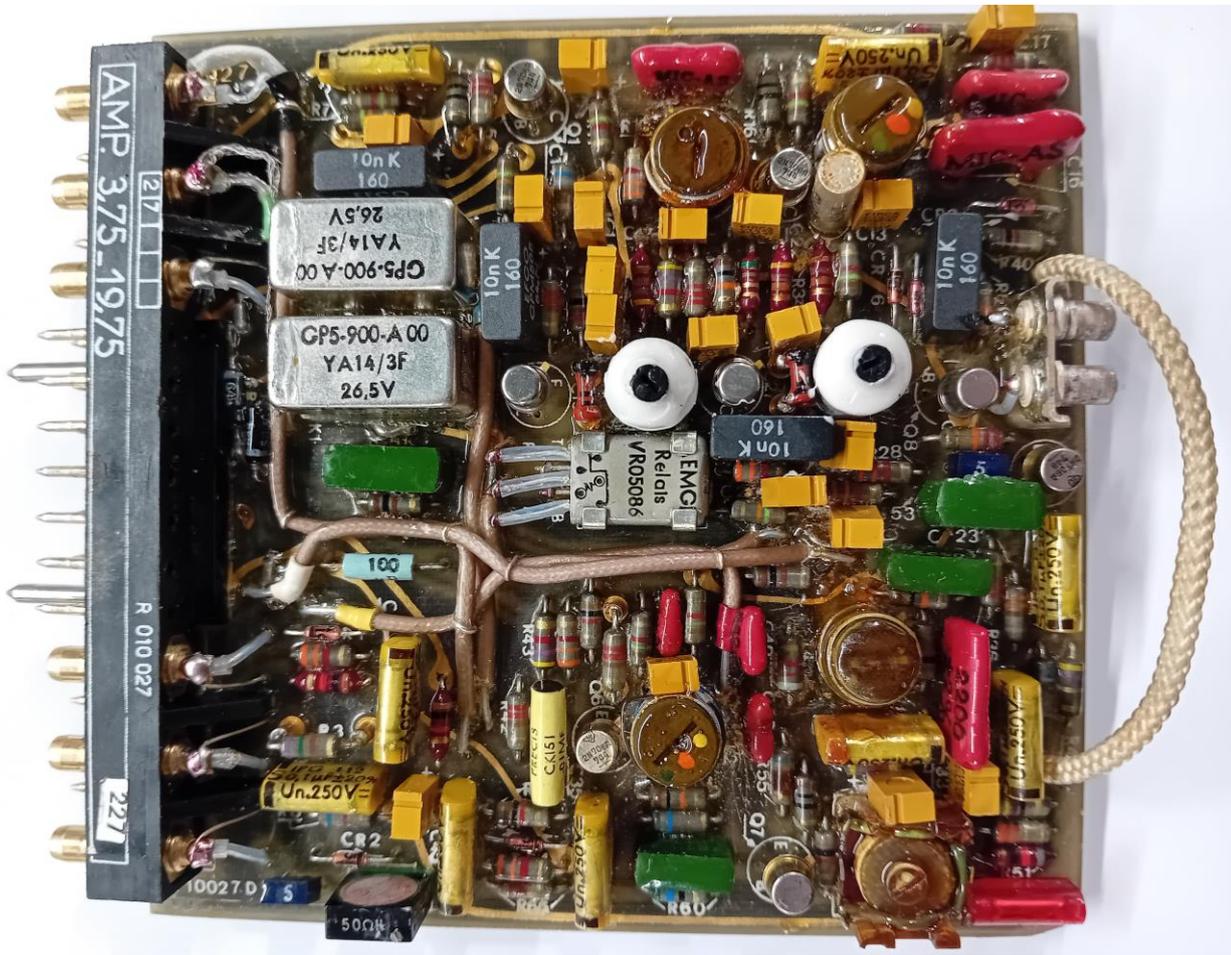
R 010 023 HF3

[Abb.4 pag.31]



R 010 026 1st IF

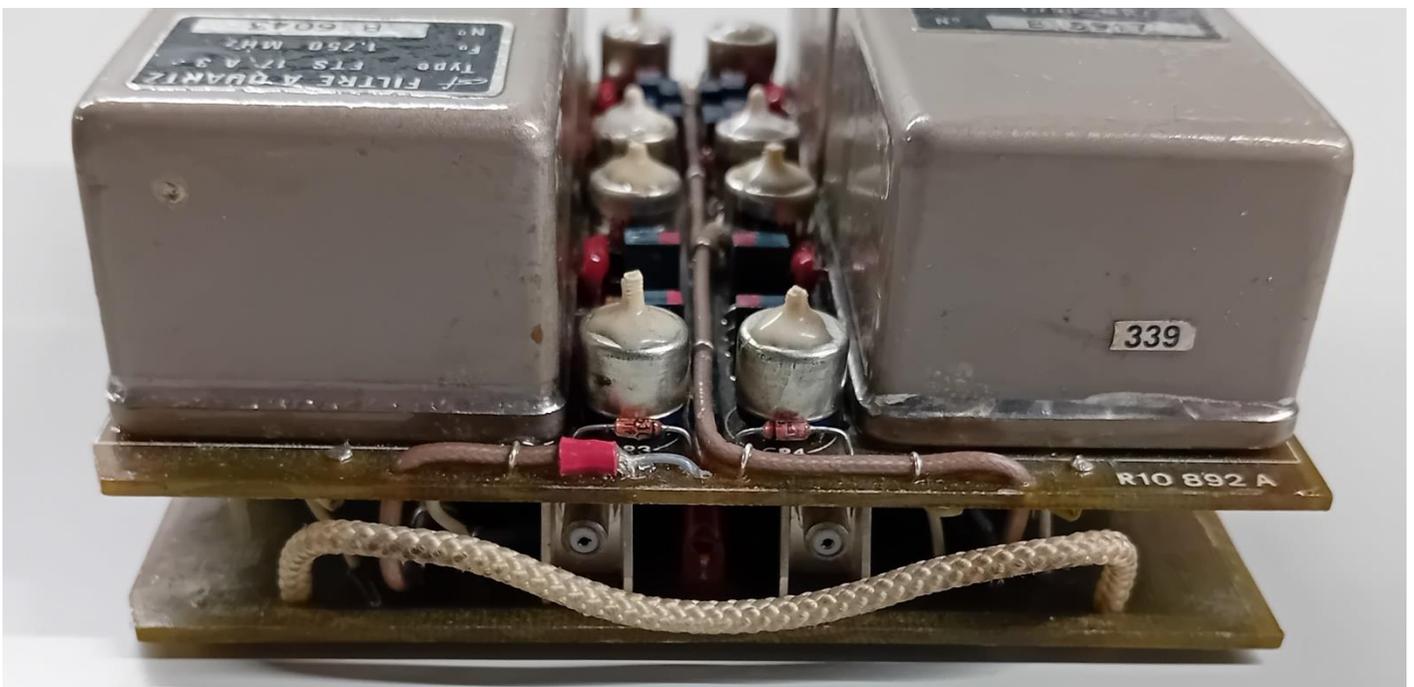
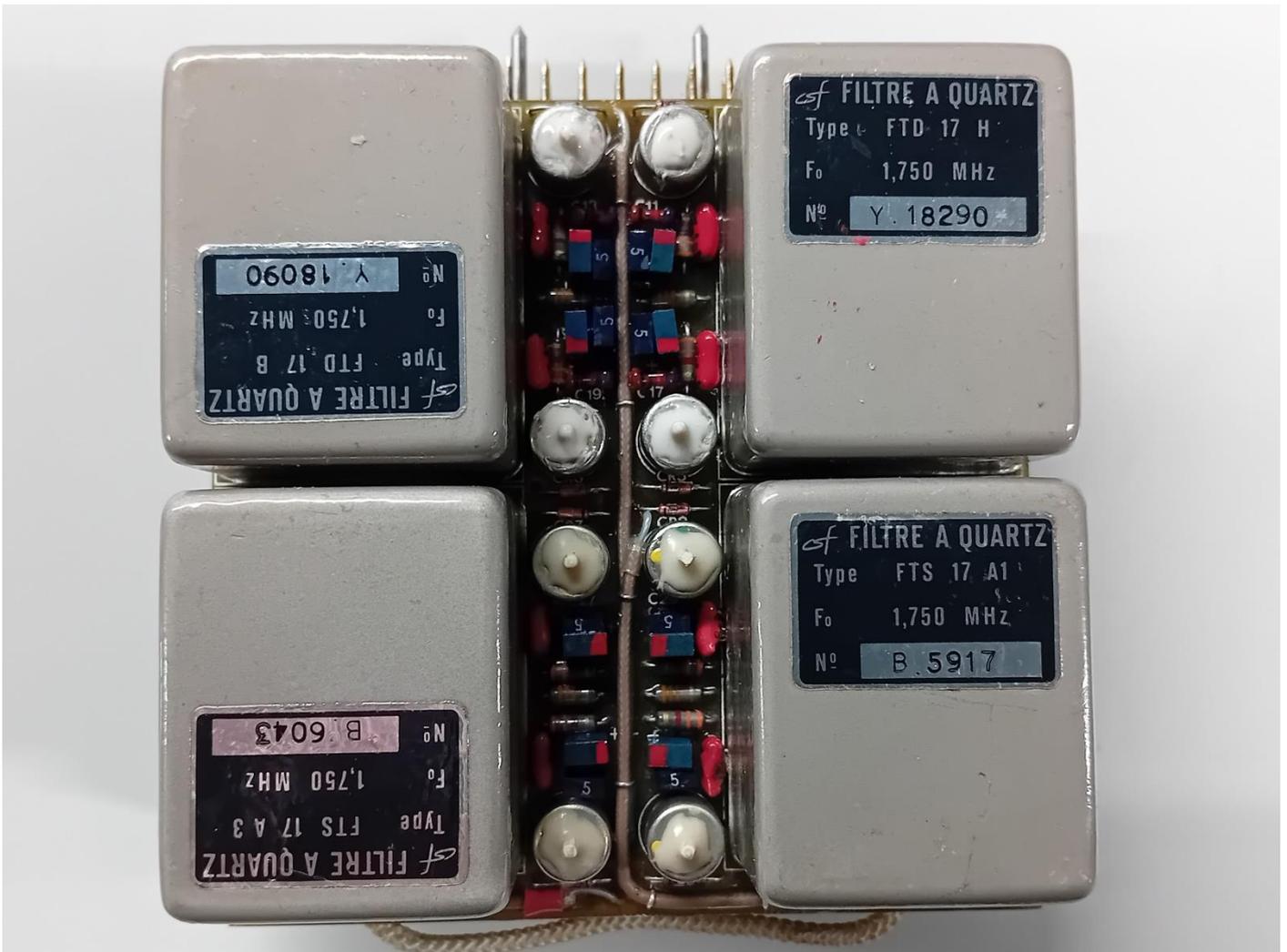
[Abb.5 pag.32]



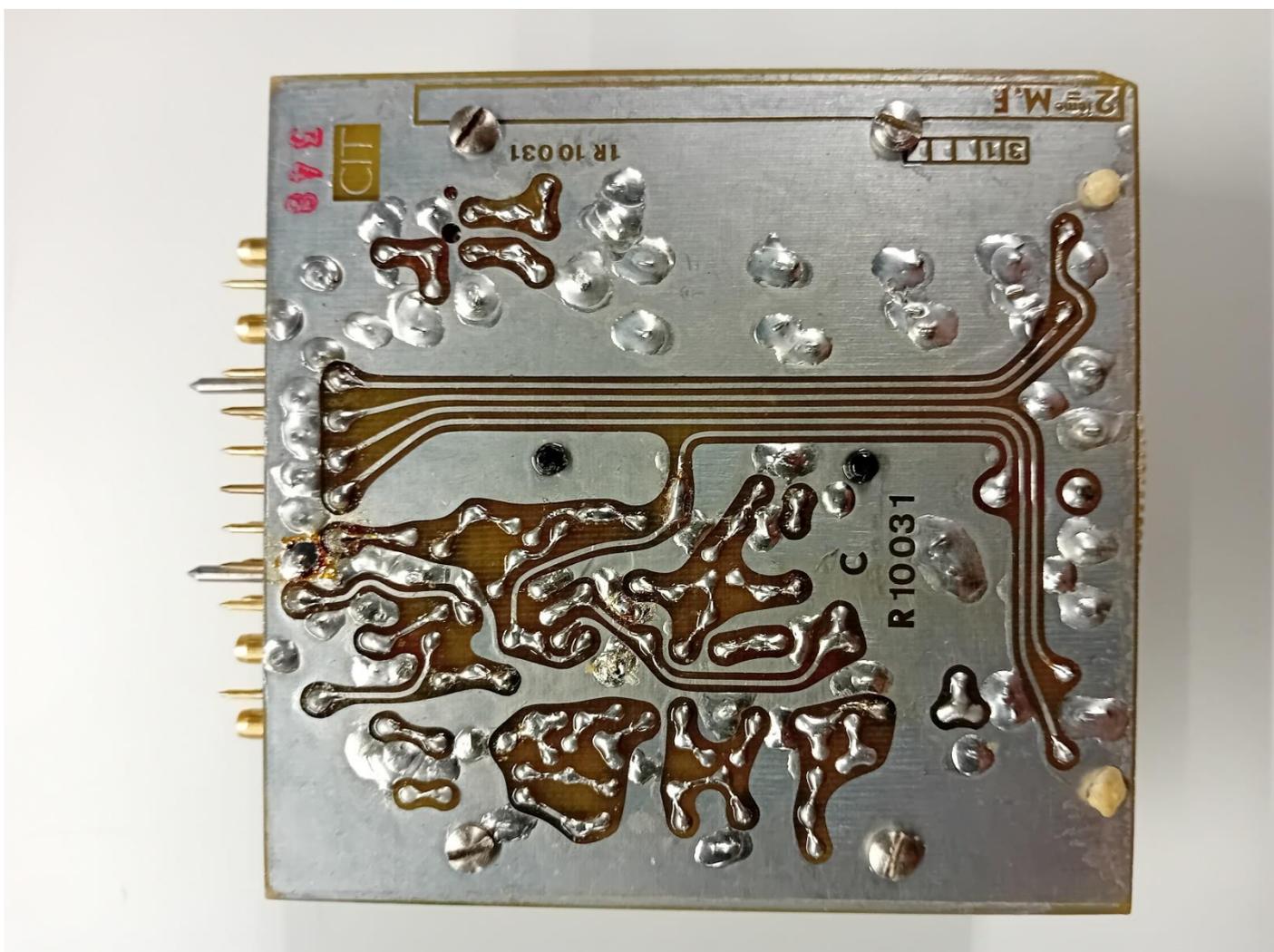
R 010 027

**Amplifier 3,75 –
19,75 MHz**

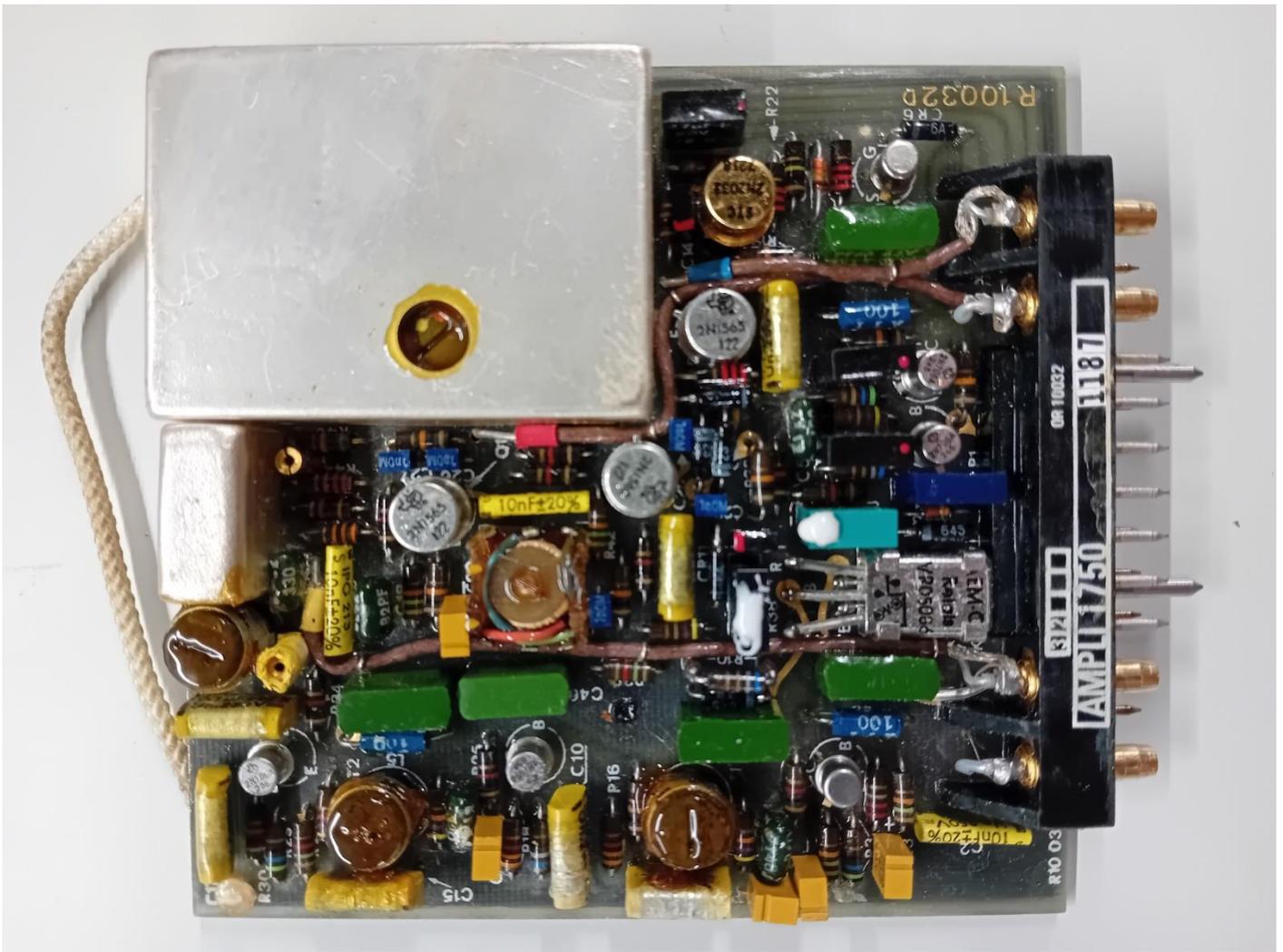
[Abb.6 pag.33]



R 010 031 2nd IF [Abb.7 pag.34]

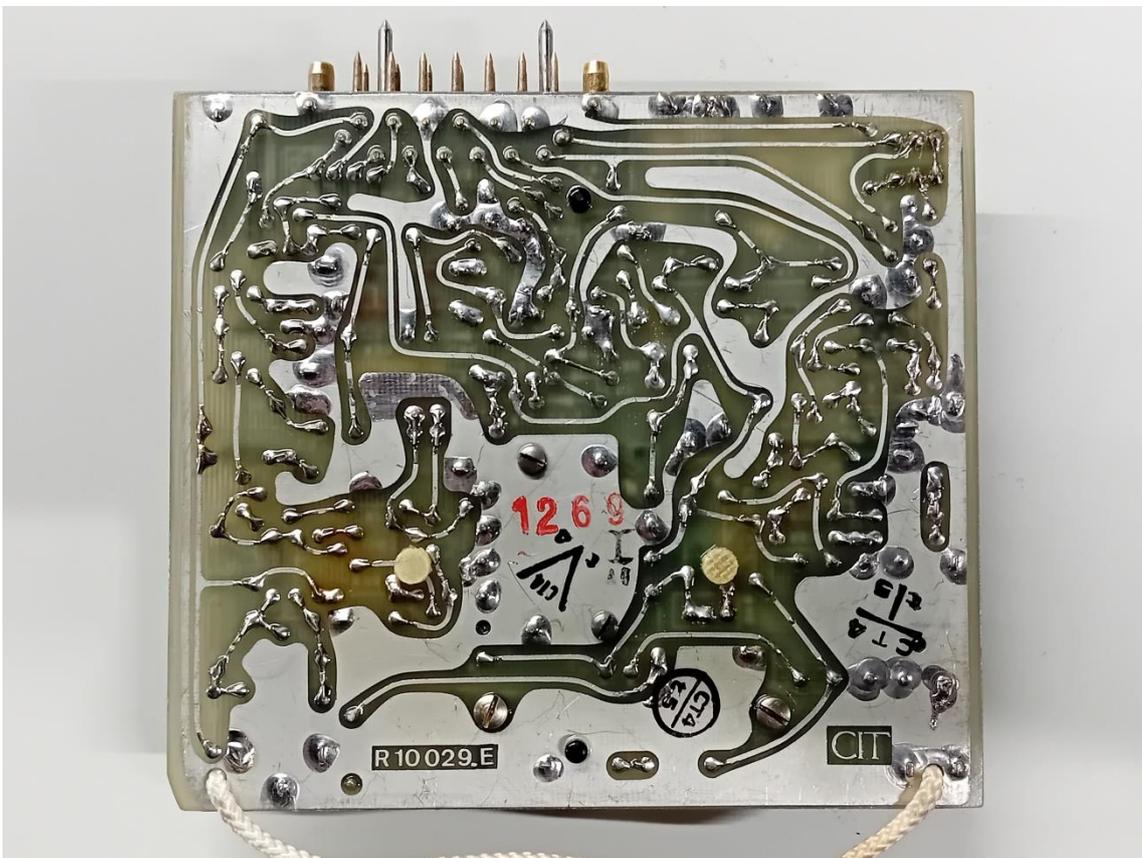
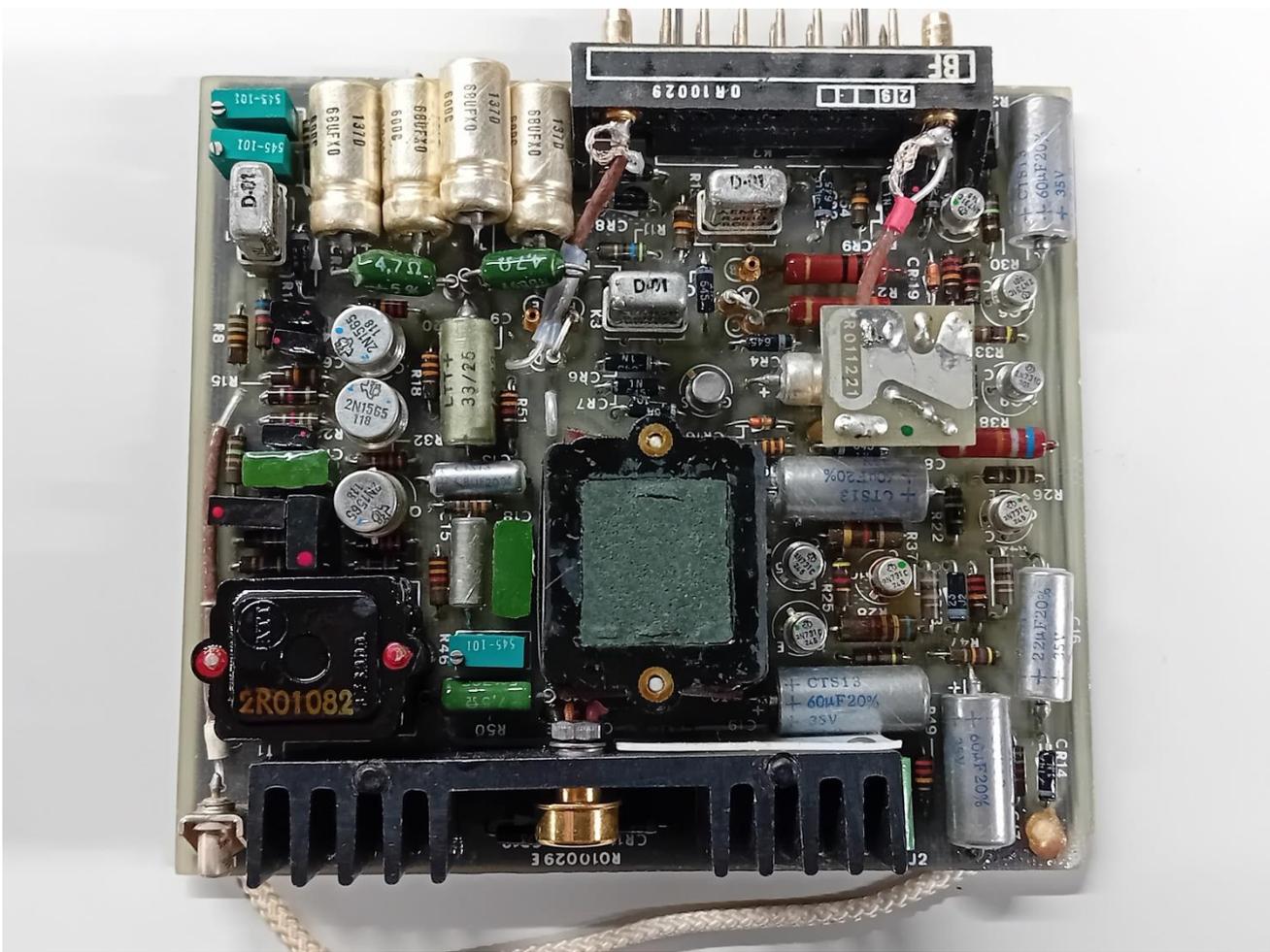


R 010 031 2nd IF [Abb.7 pag.34]

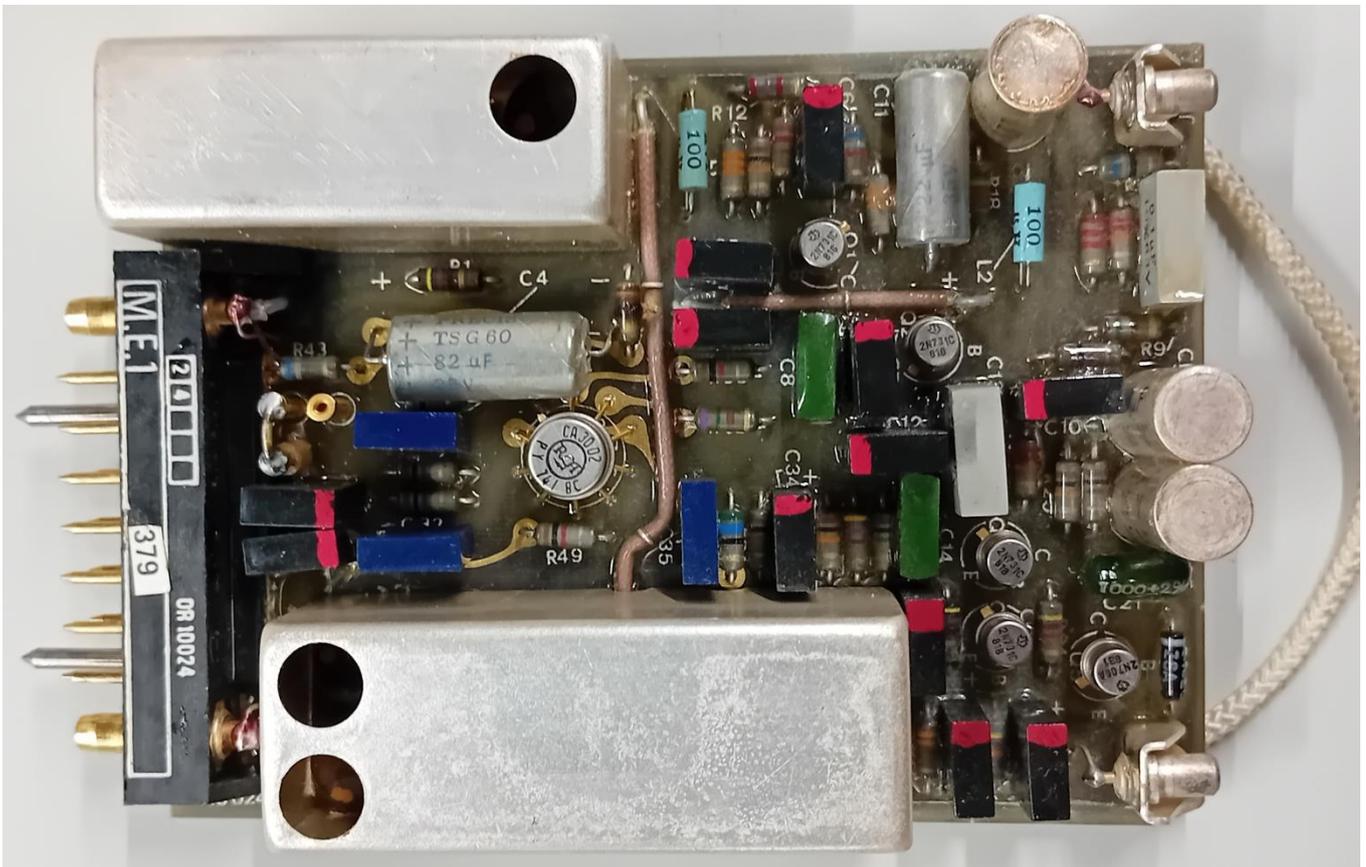


R 010 032 Amplifier 1750 kHz

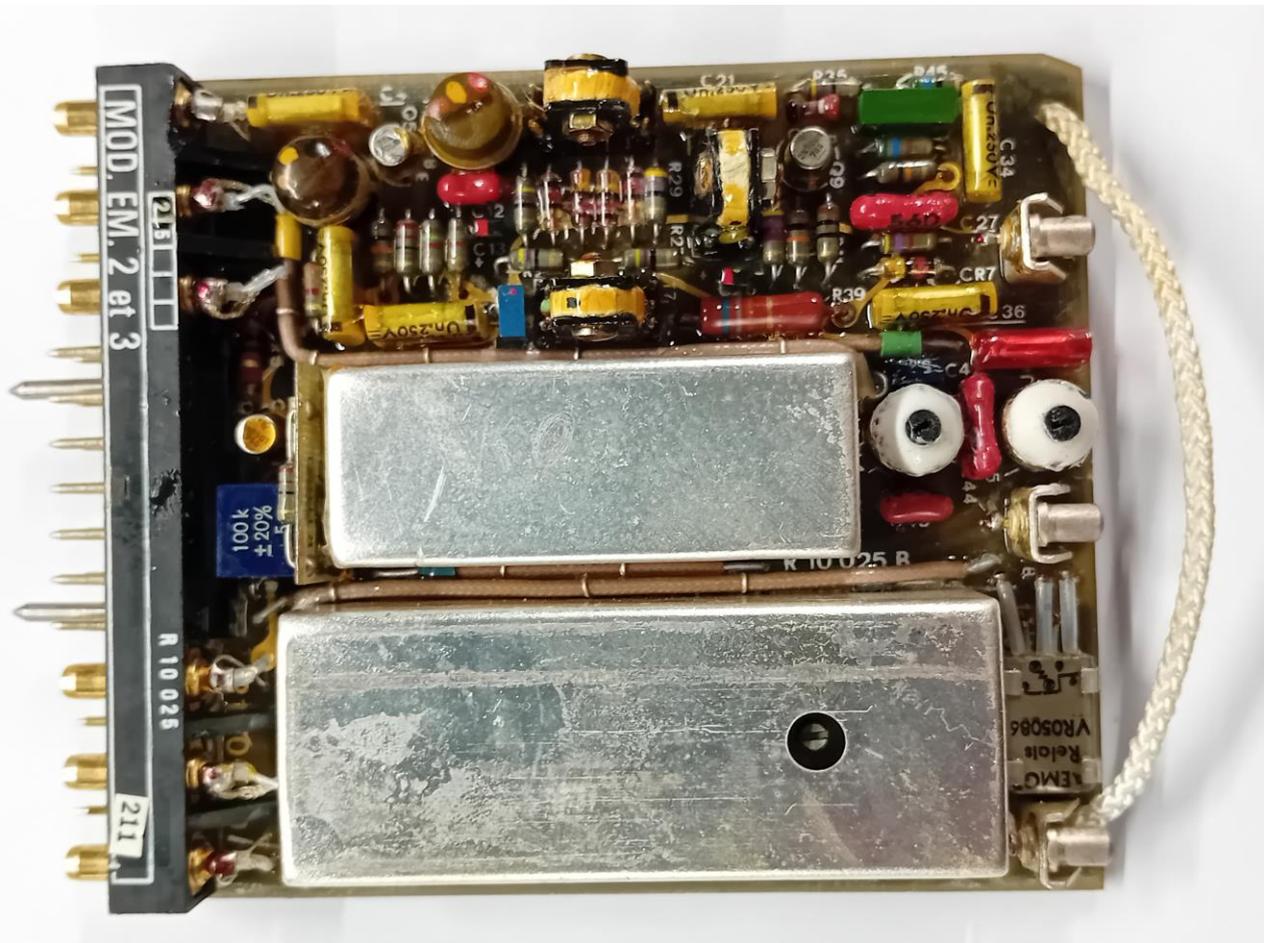
[Abb.8 pag.32]



R 010 029 *Amplifier- Squelch- Clipping* [Abb.9 pag.36]

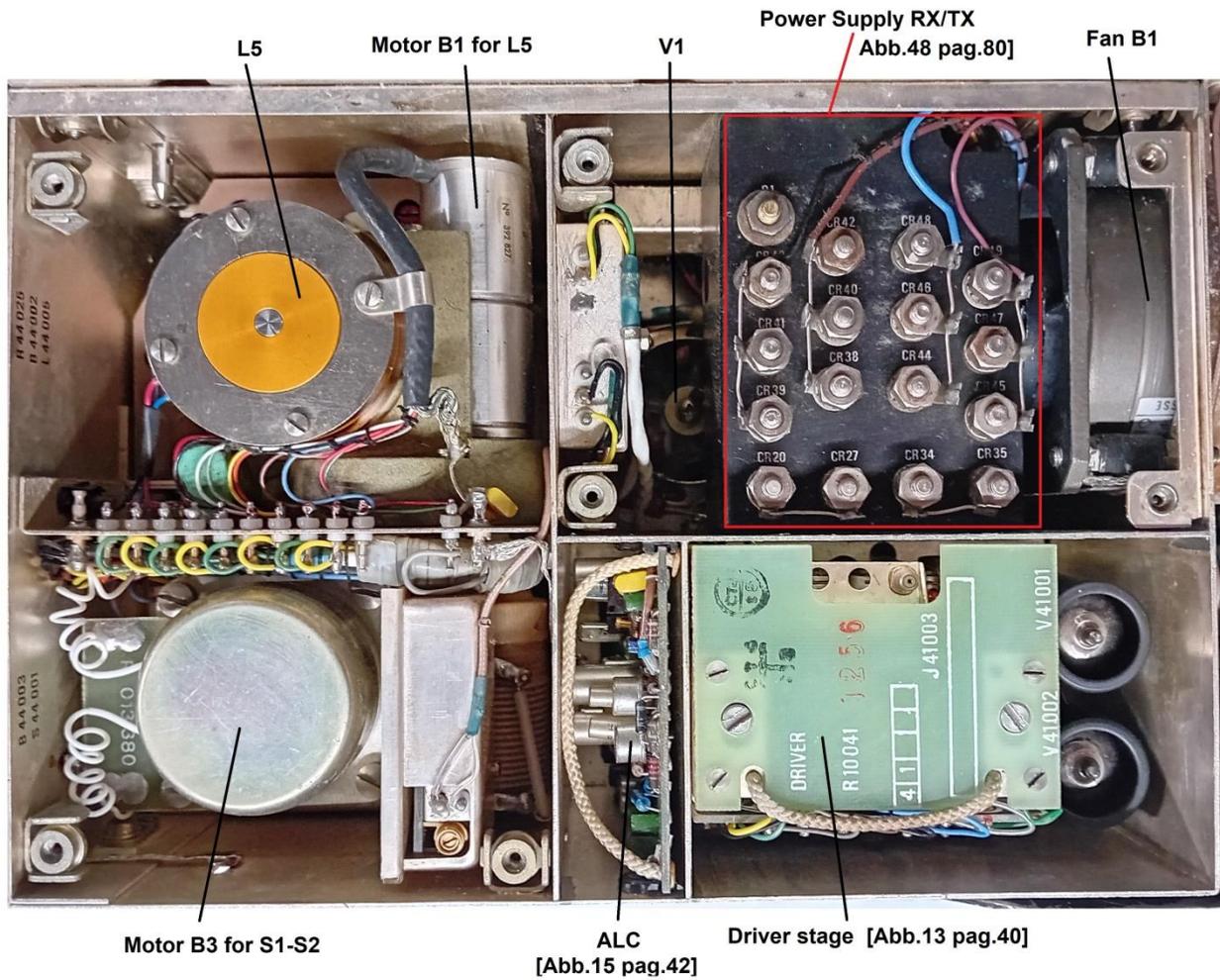


R 010 024 Modulator (ME.1) [Abb.10 pag.37]



R 010 025 Modulator (EM. 2-3)

[Abb.11 pag.38]



Driver & Power Amplifier unit

[Abb.12 pag.39] & [Abb.14 pag.41]

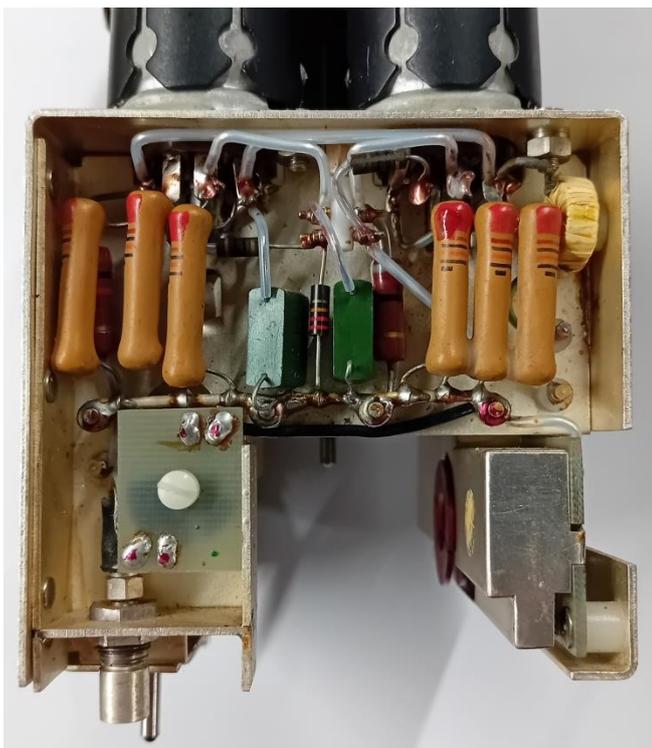


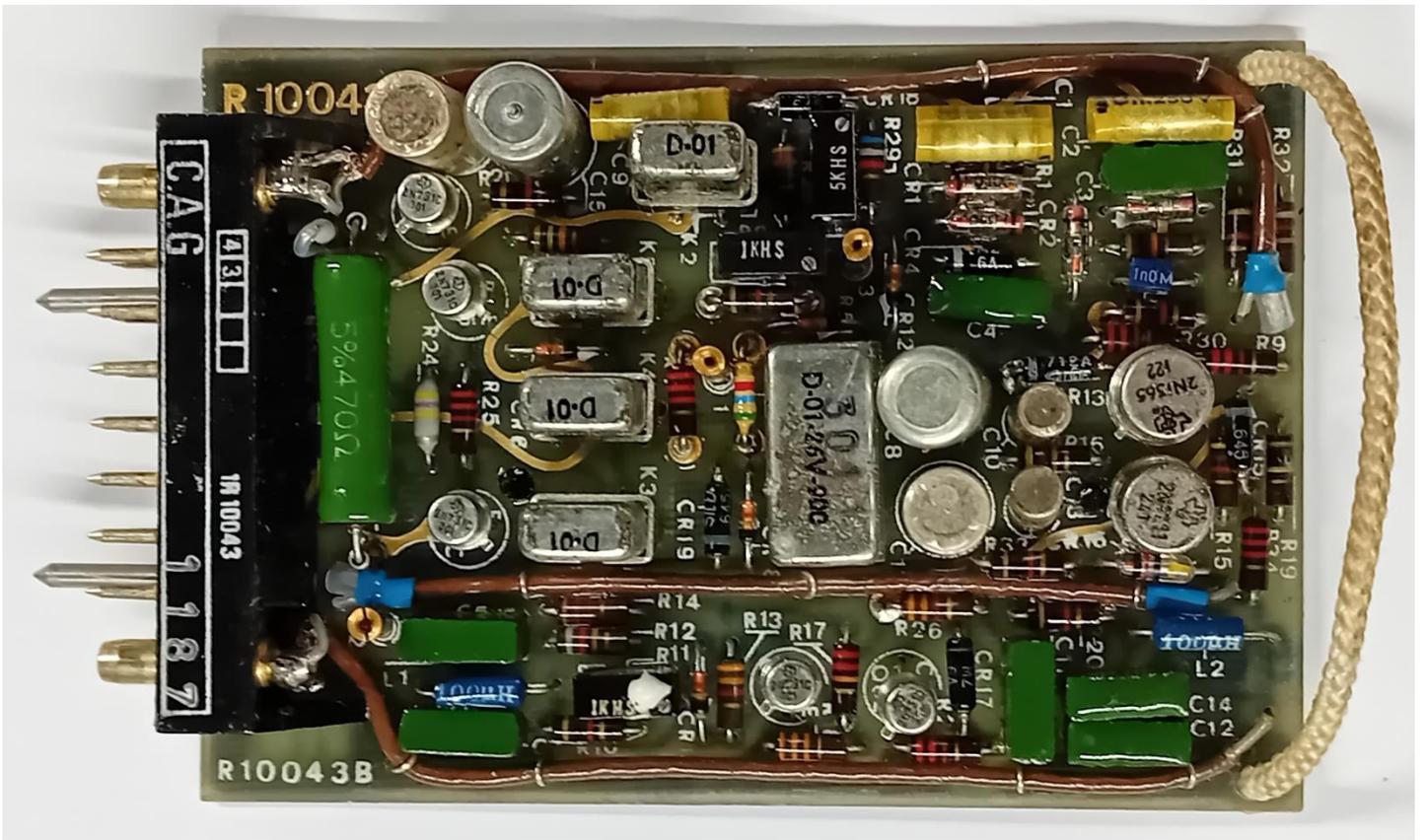
Detail base of V1 4CX250



R 010 538 PA-Driver stage

[Abb.13 pag.40]

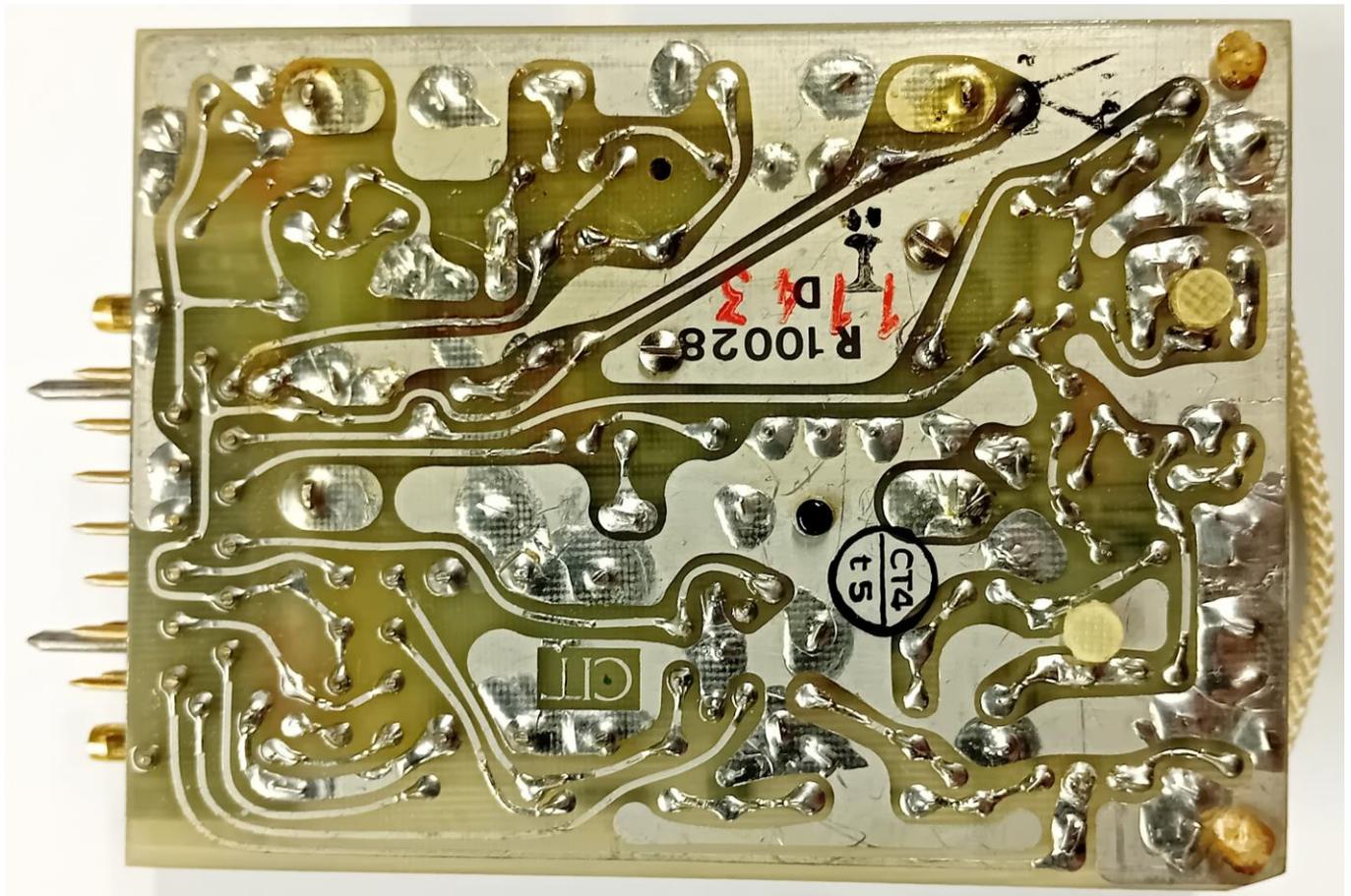
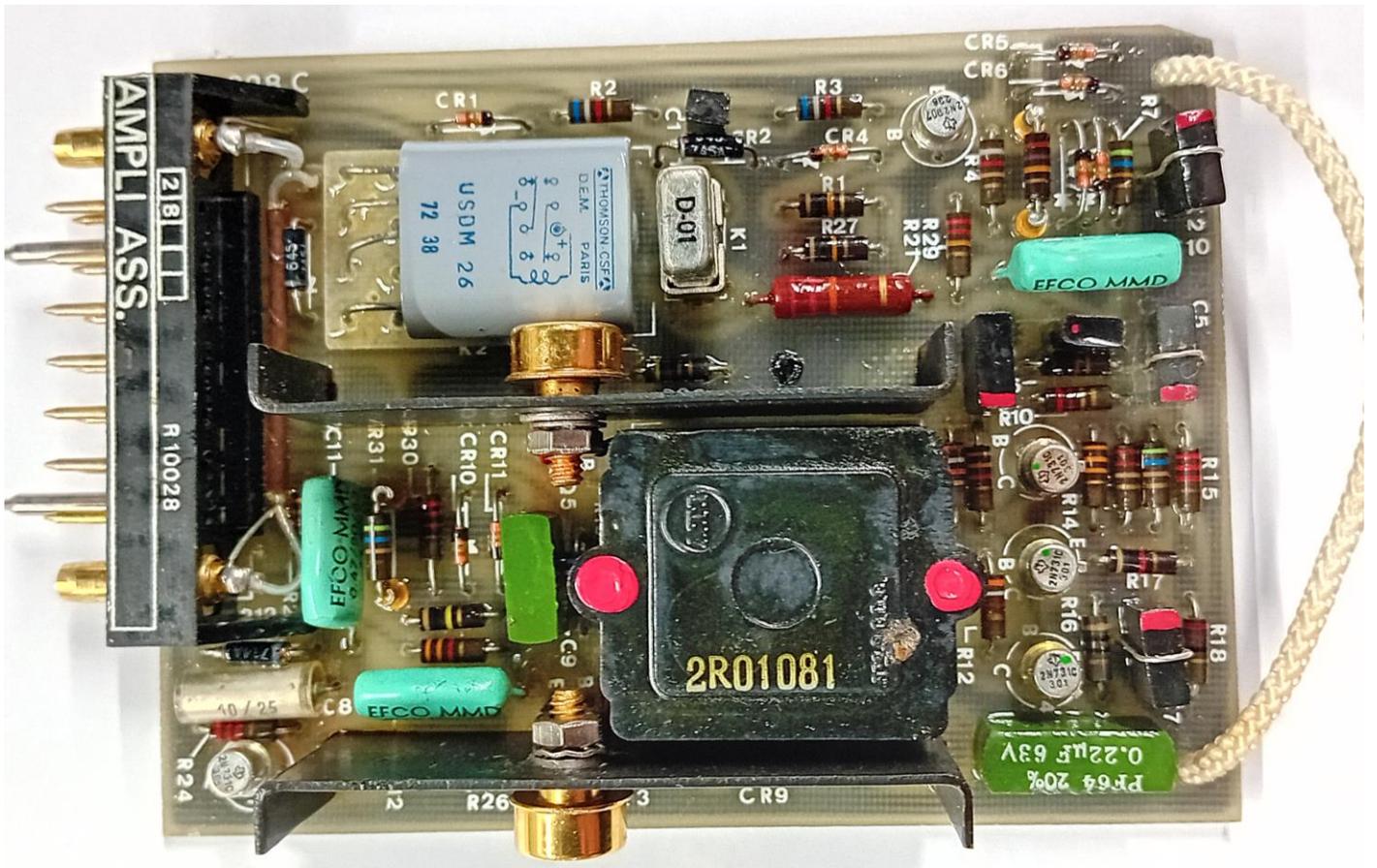




R 010 043 ALC

[Abb.15 pag.42]



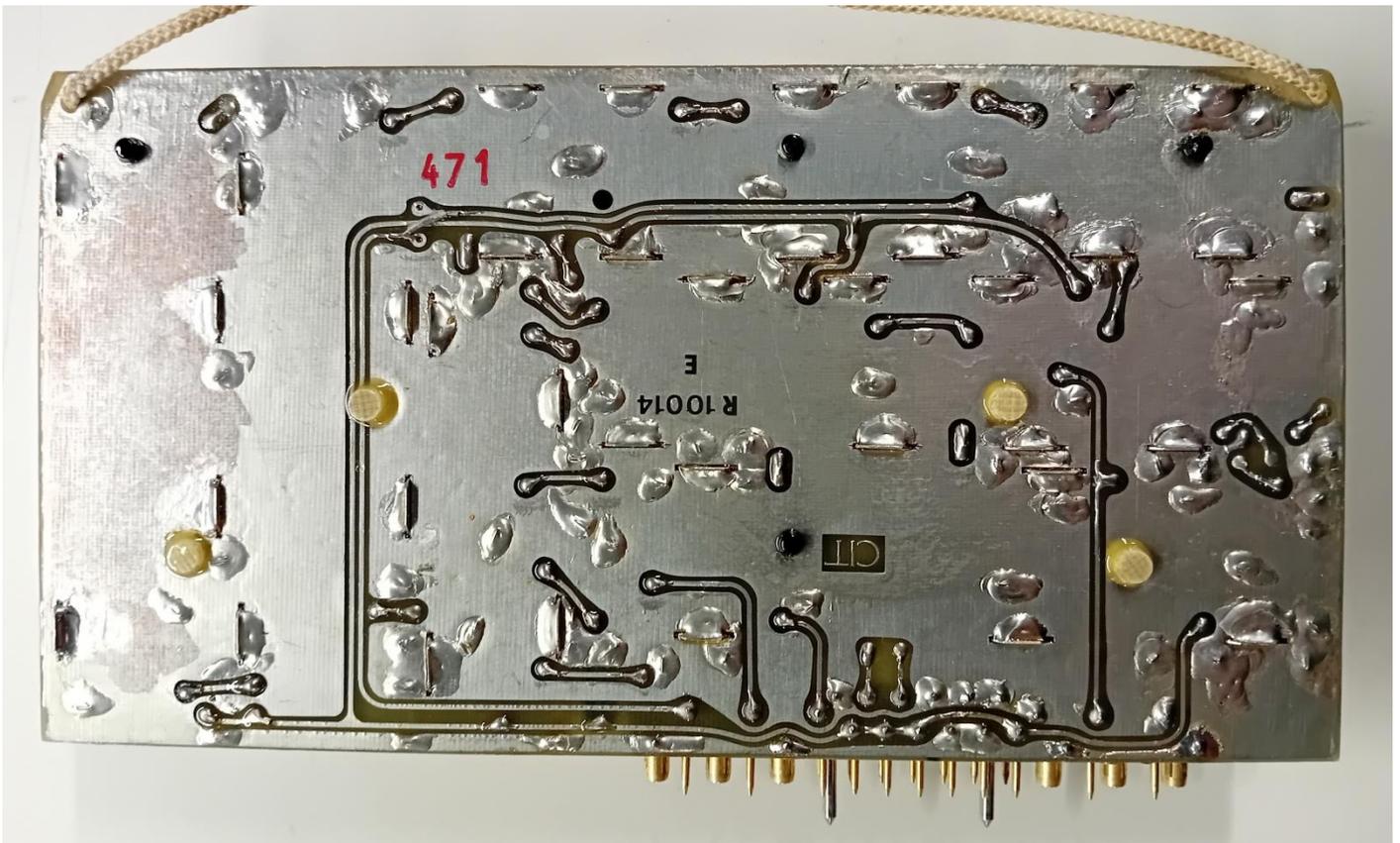


R 010 028 Servo Amplifier [Abb.16 pag.43]

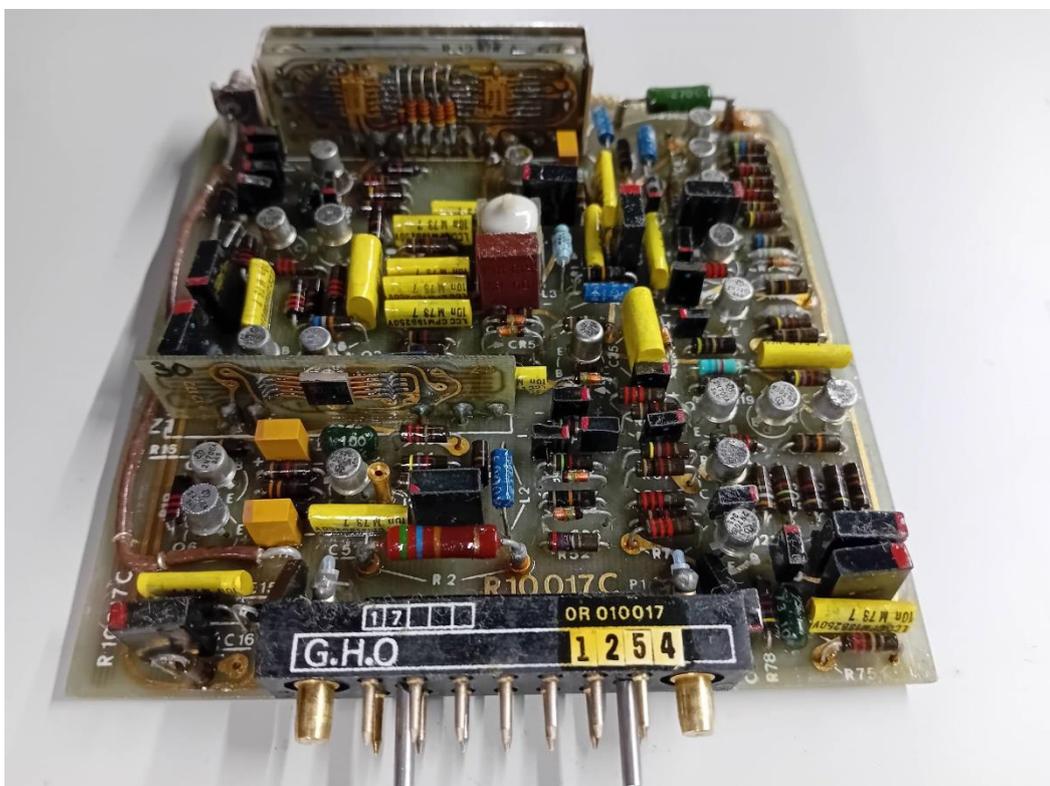
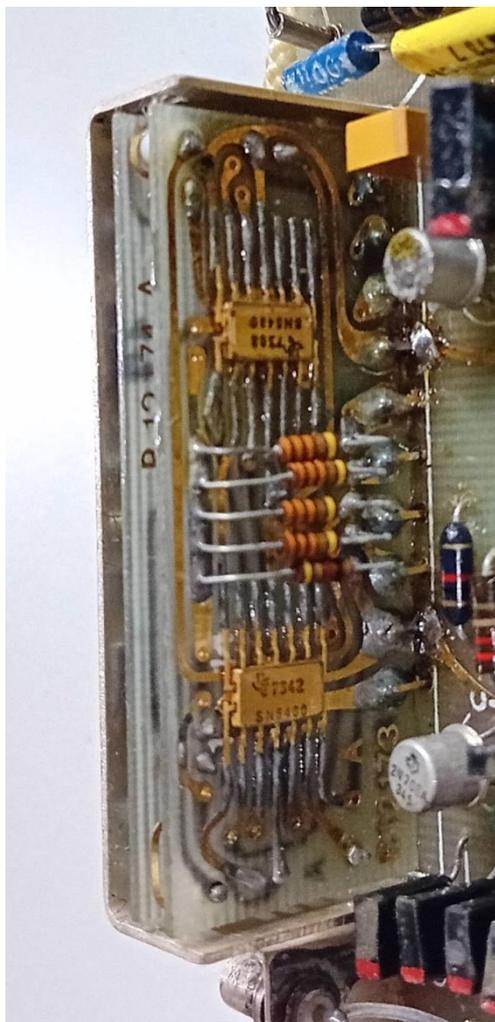


R 010 069 1 MHz Oscillator

[Abb.17 pag.44]



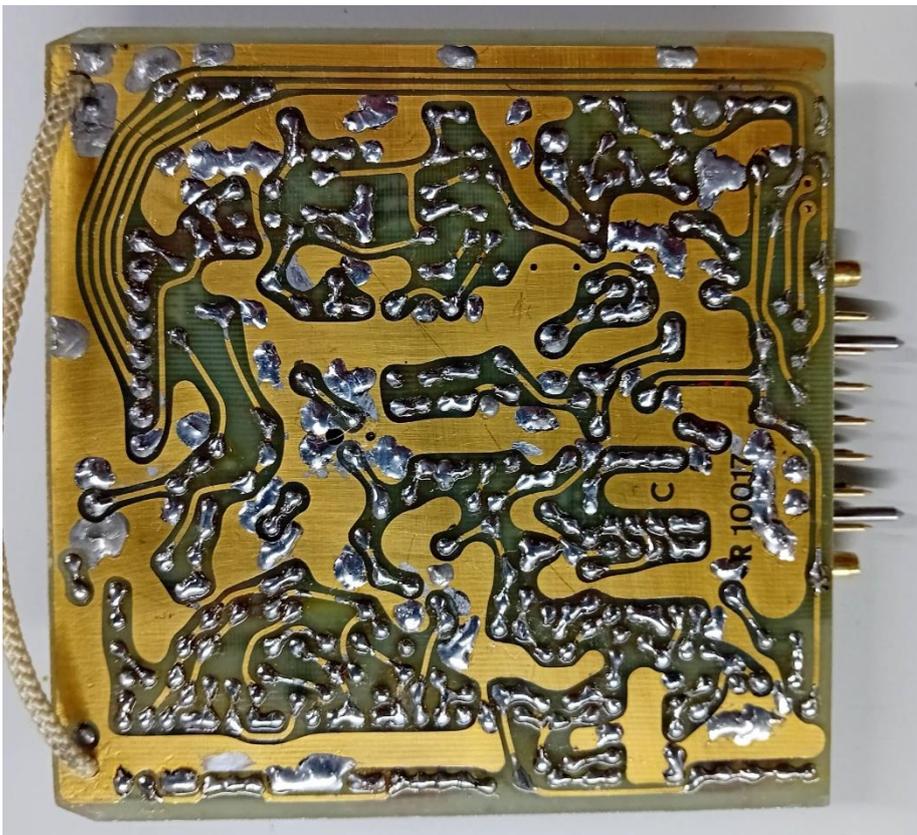
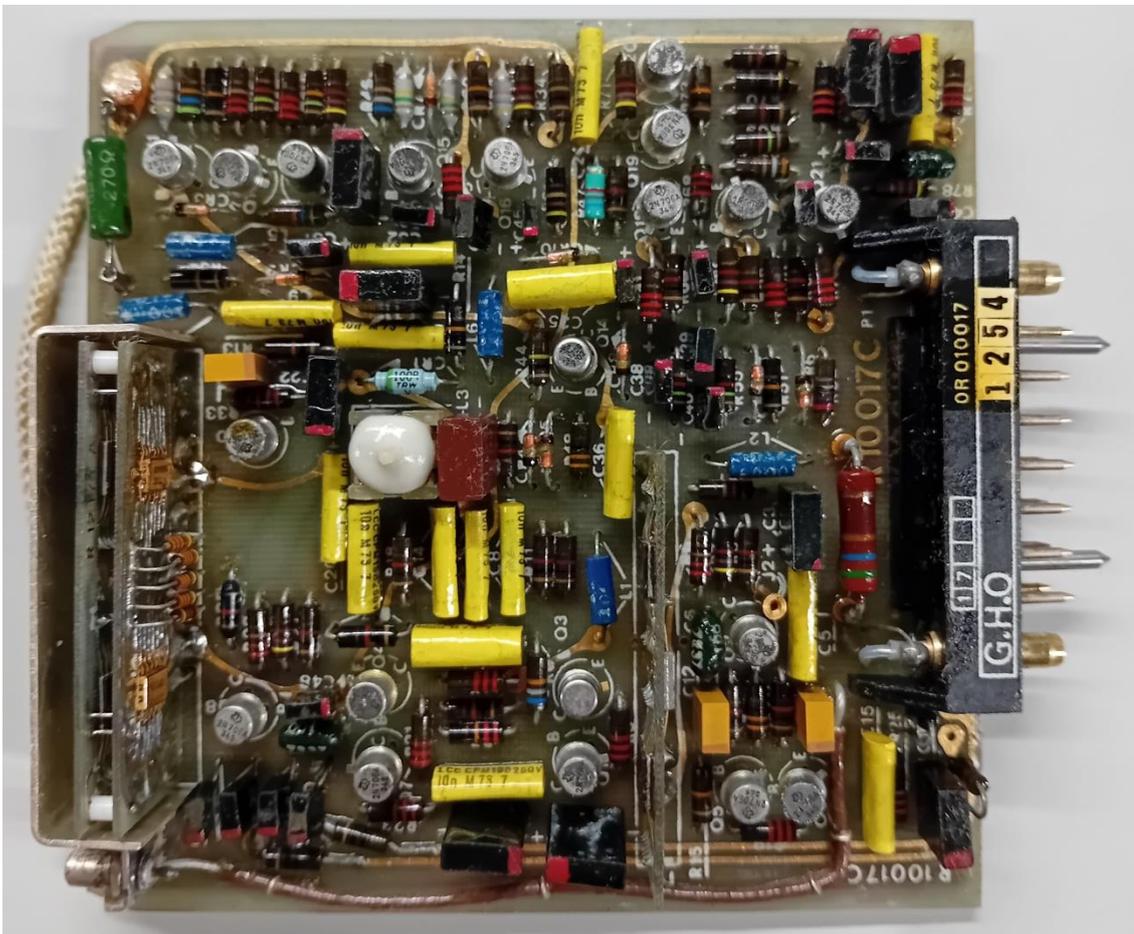
R 010 014 DIVISEUR, **Frequency divider** [Abb.18+18a pag.45+56]



R 010 017 GHO, Overtone generator O

[Abb.19 pag.47]

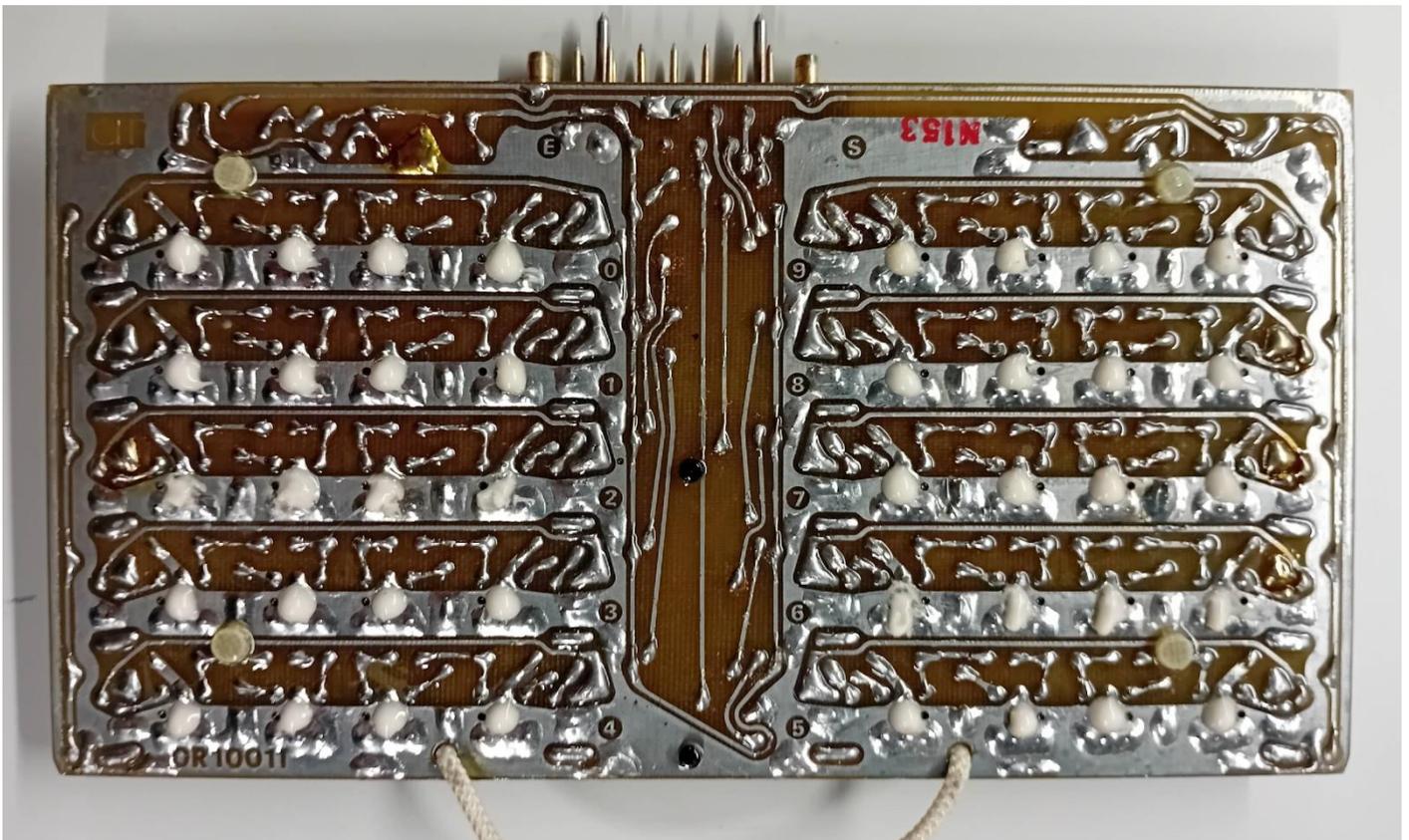
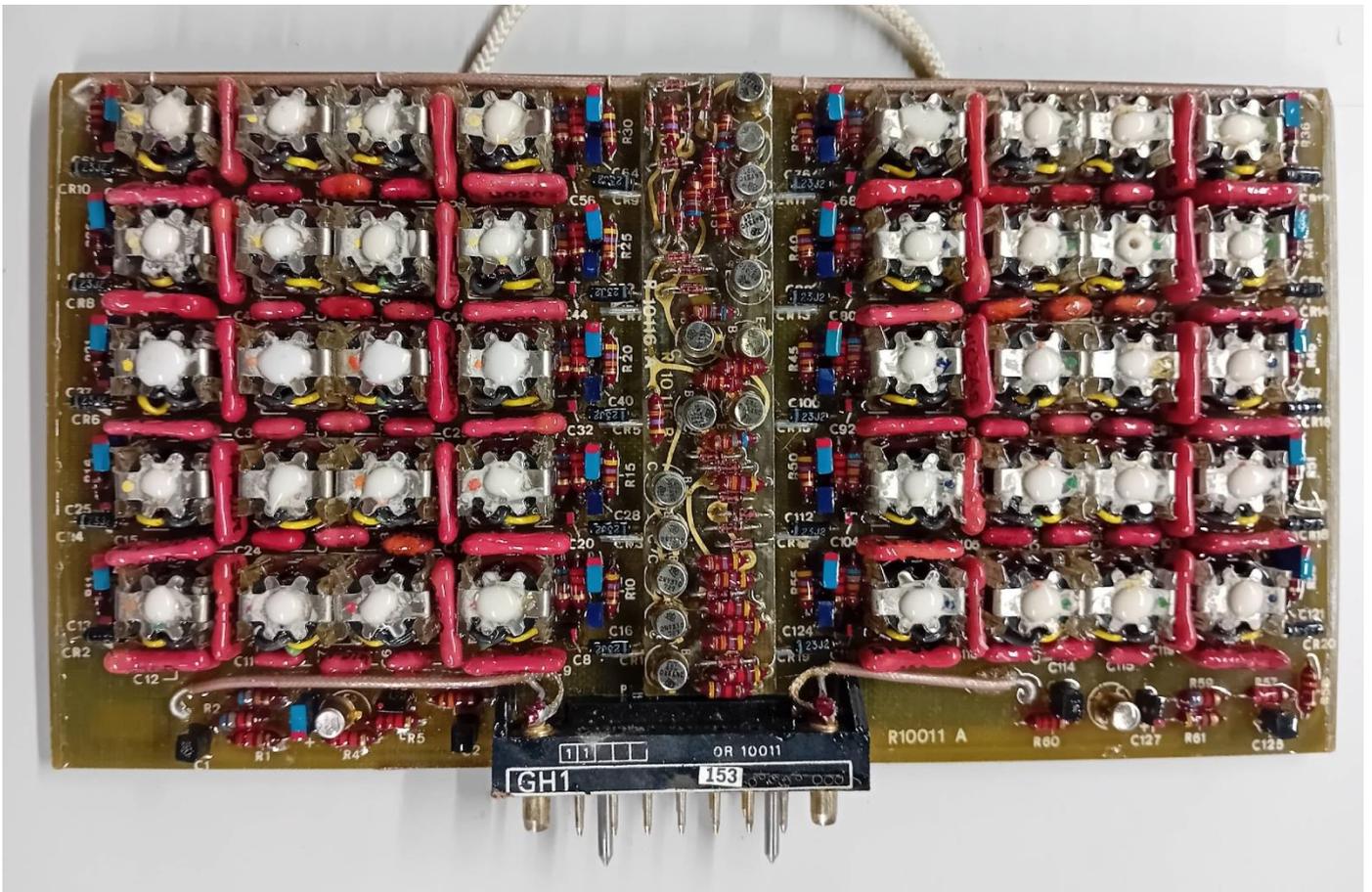
1/2



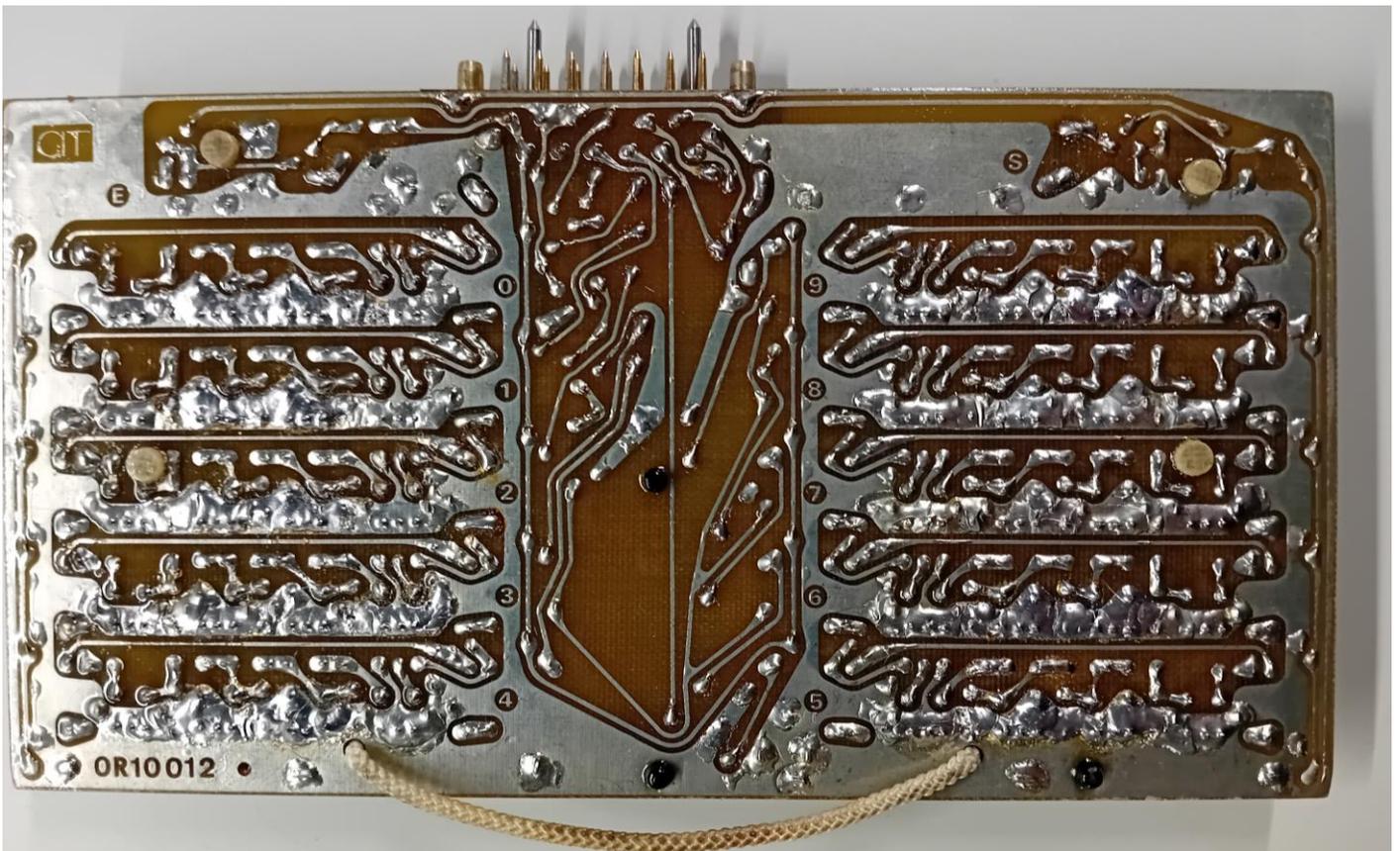
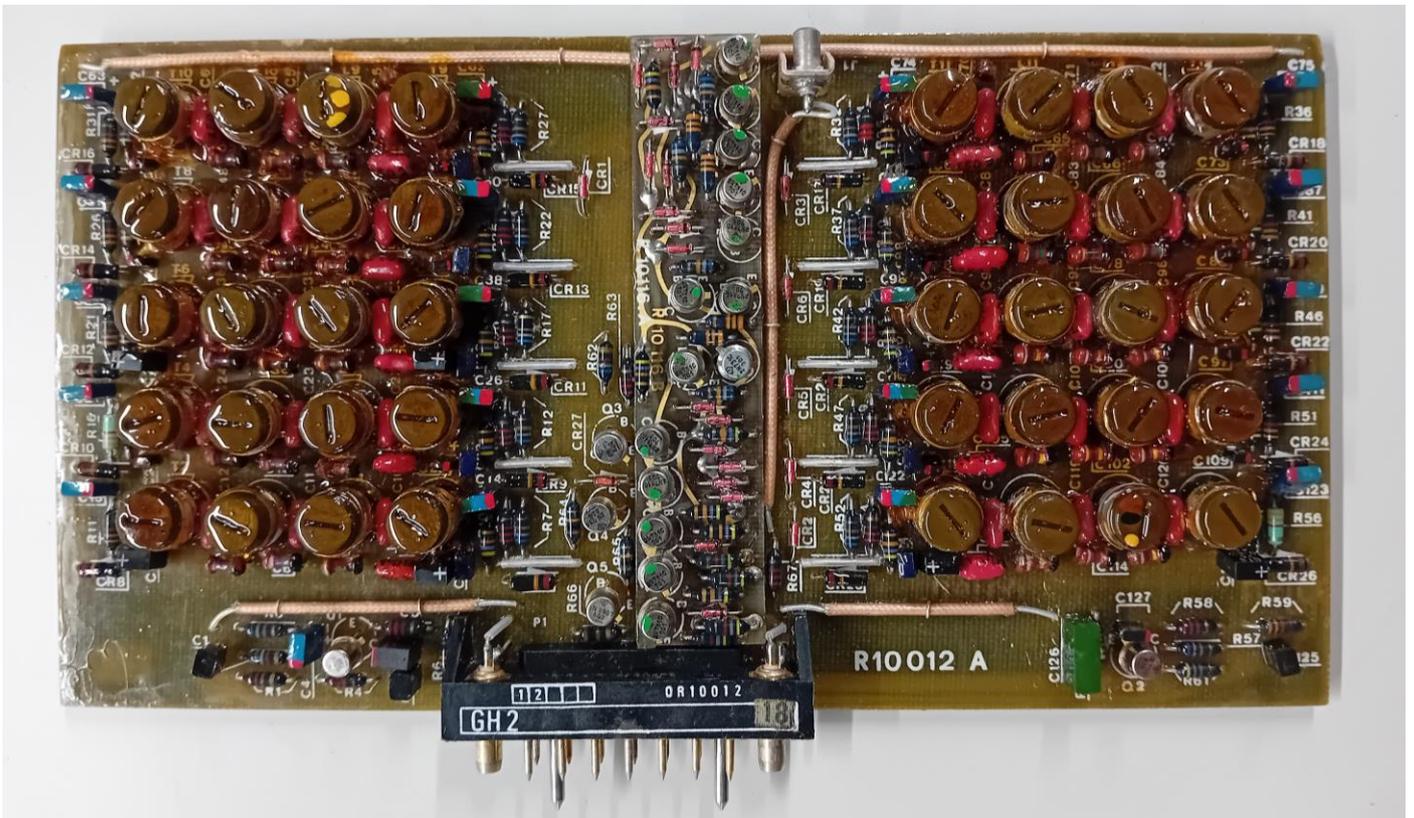
R 010 017 GHO, Overtone generator O

[Abb.19 pag.47]

2/2

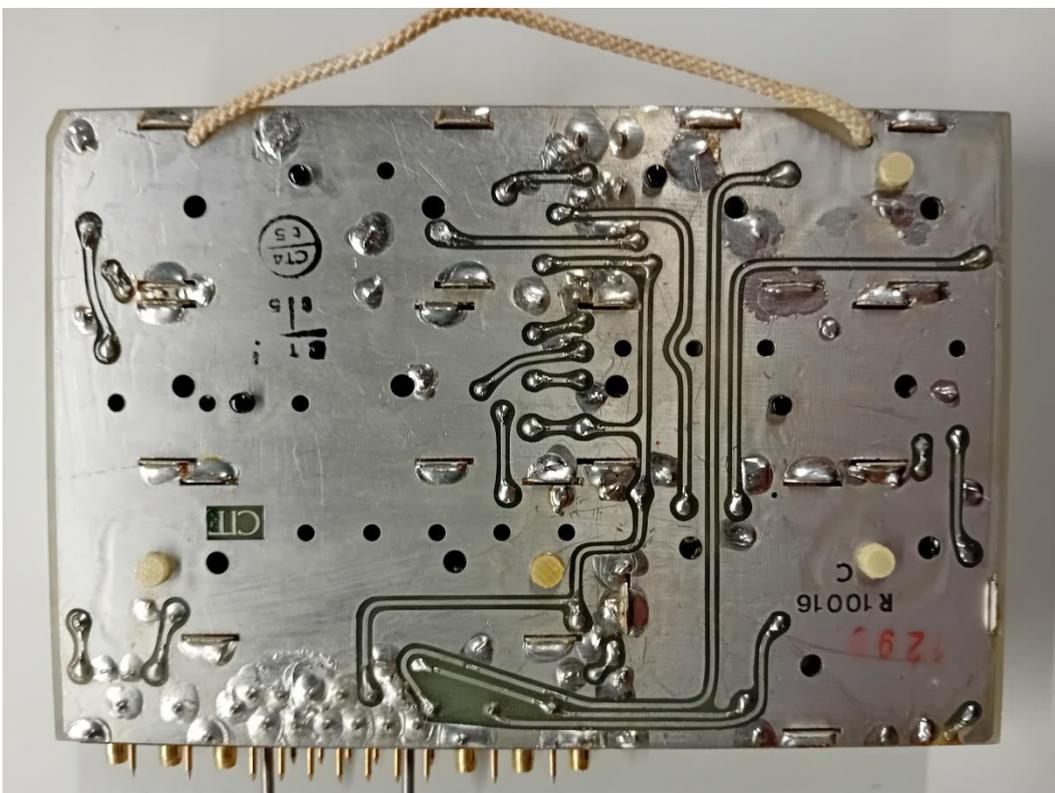


R 010 011 GH1, Overtone generator 1 [Abb.20 pag.50]



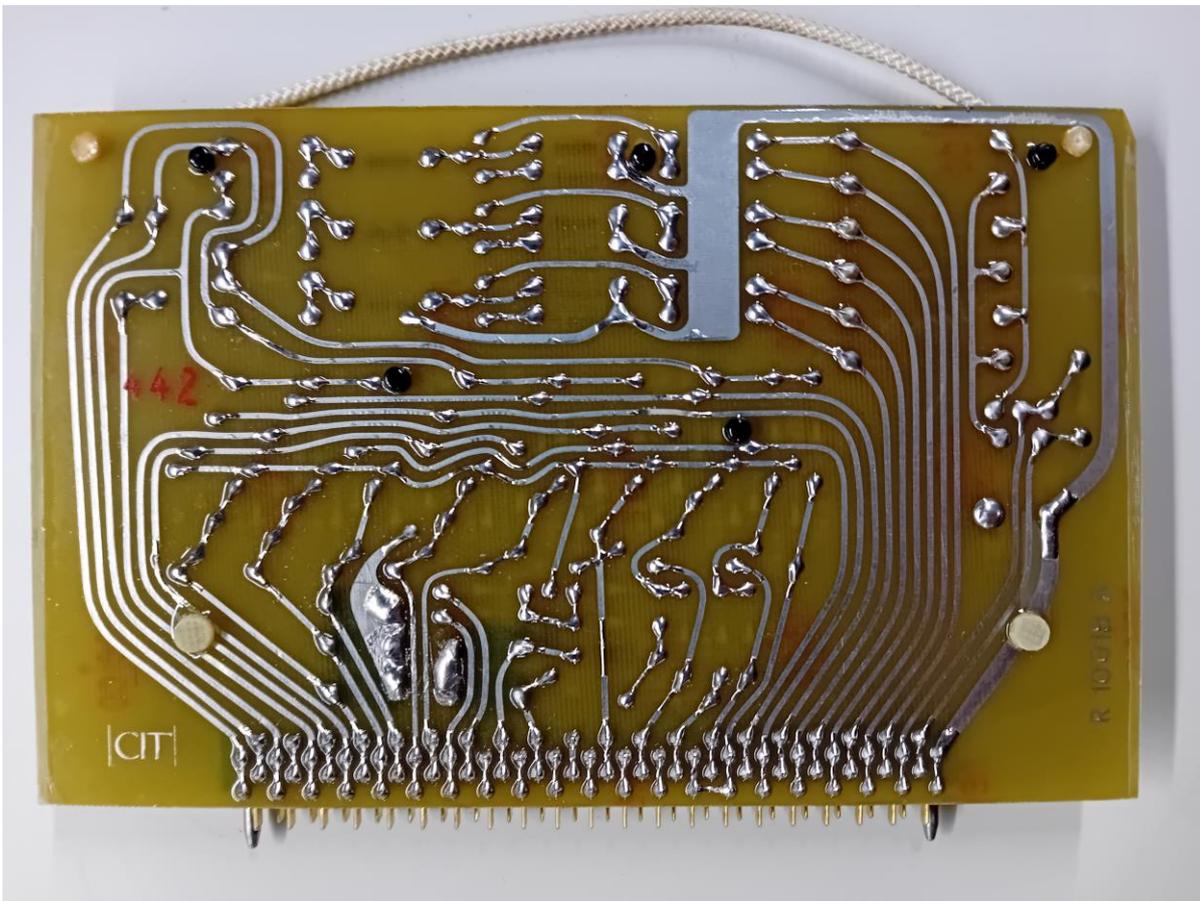
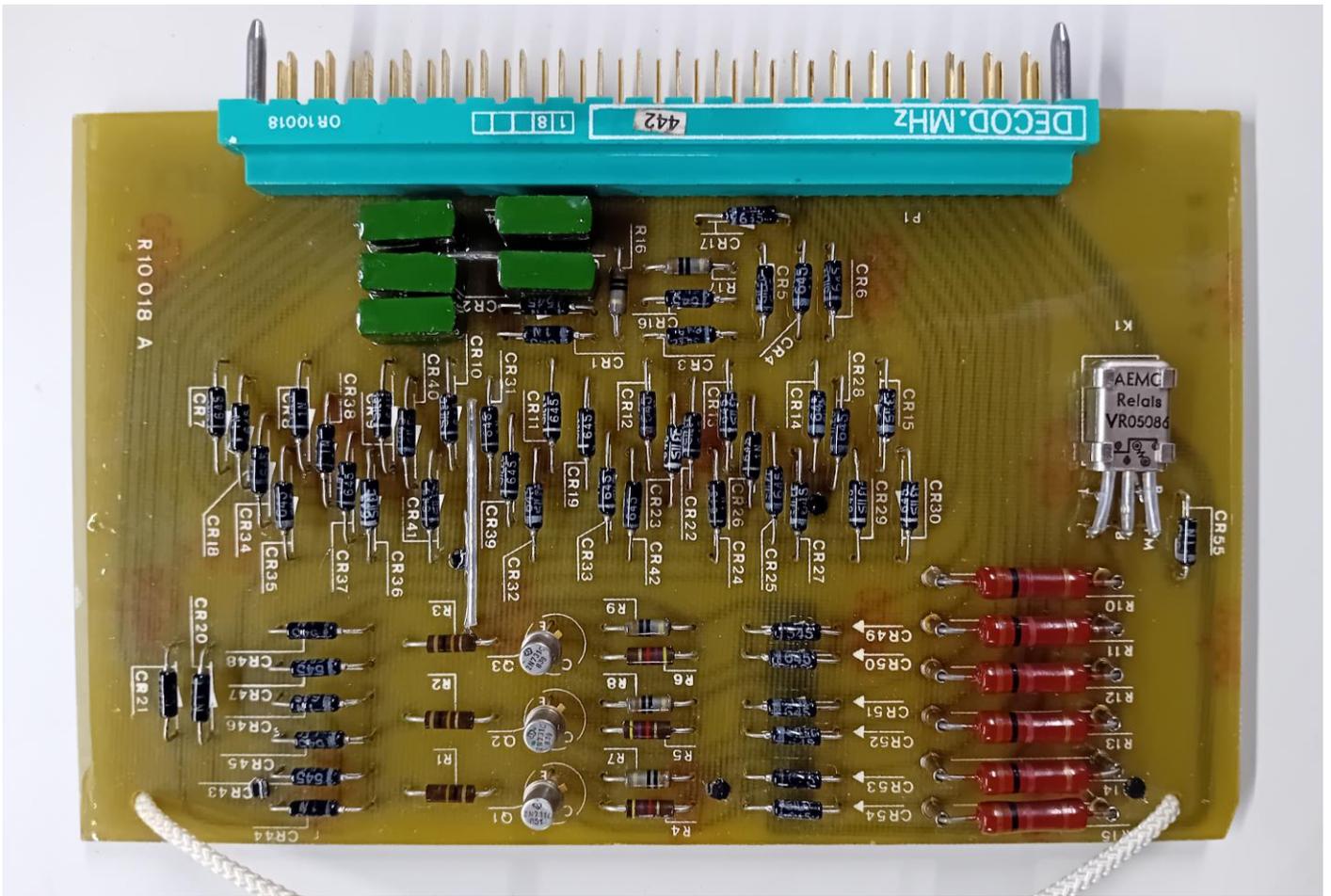
R 010 012 GH2, Overtone generator 2

[Abb.21 pag.51] & [Abb.22 pag.52]



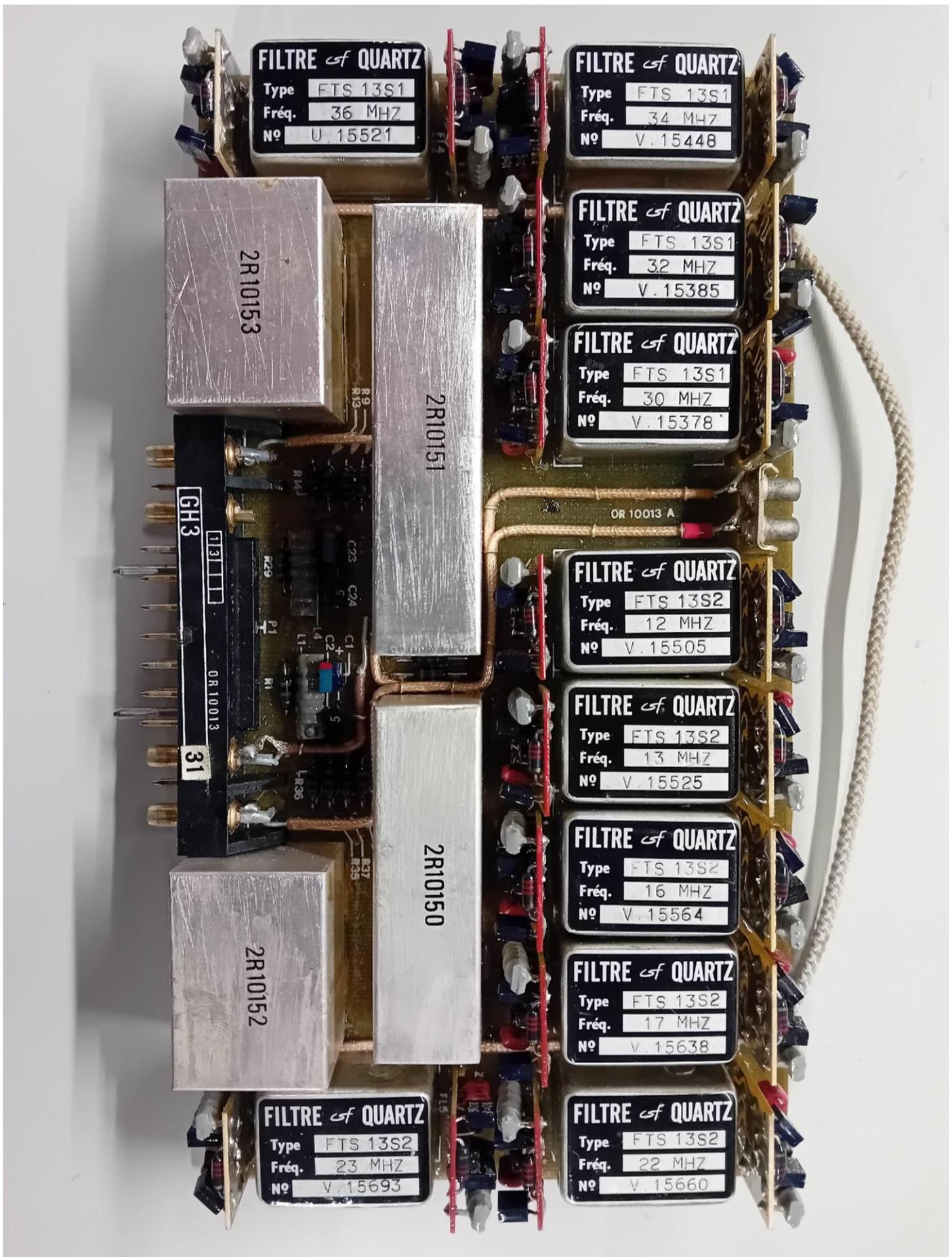
R 010 016 BOUCLE Basse, Oscillator lower band.

[Abb.23 pag.53]



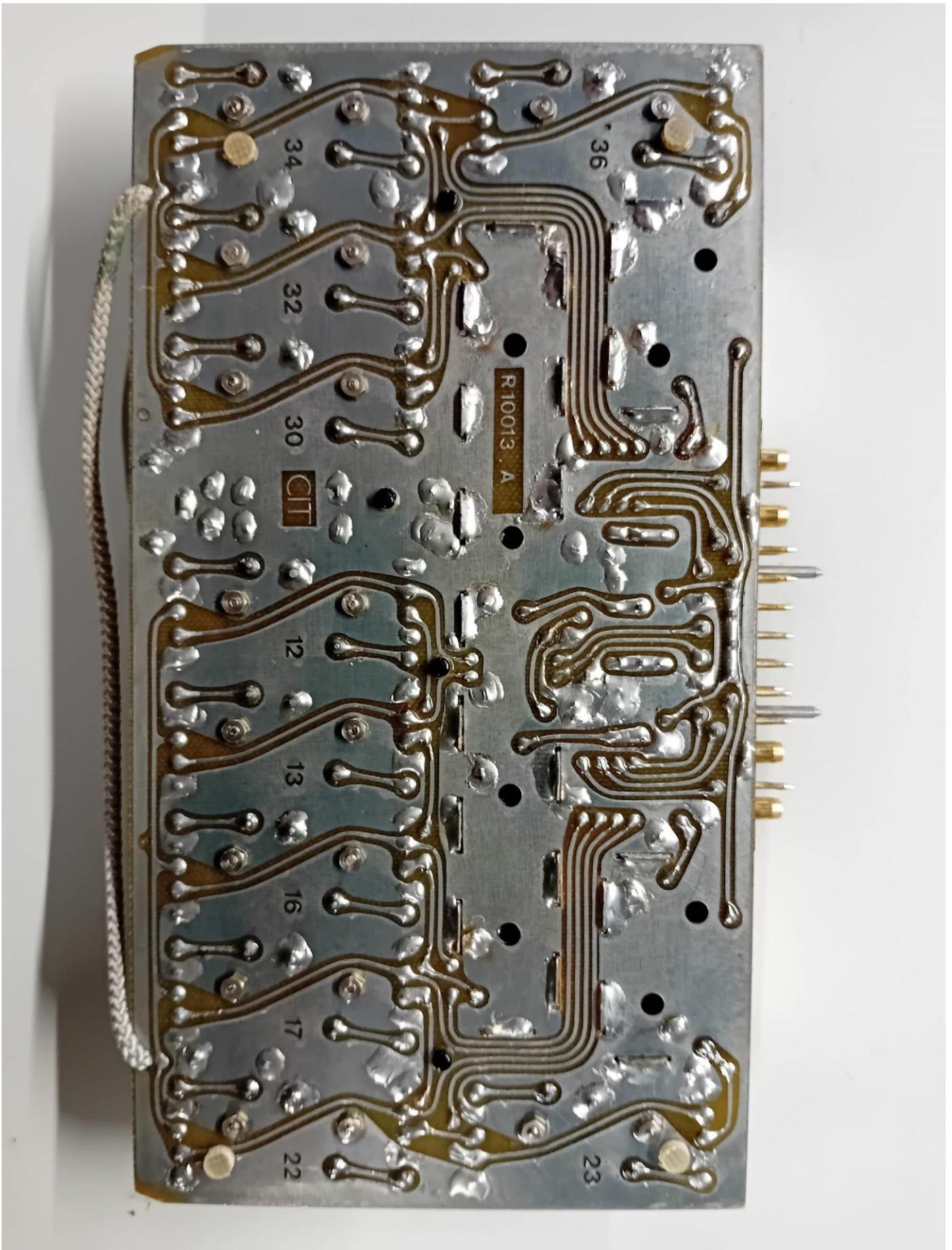
R 010 018 MHz decoder

[Abb.24 pag.54]



R 010 013 GH3, Overtone generator 3

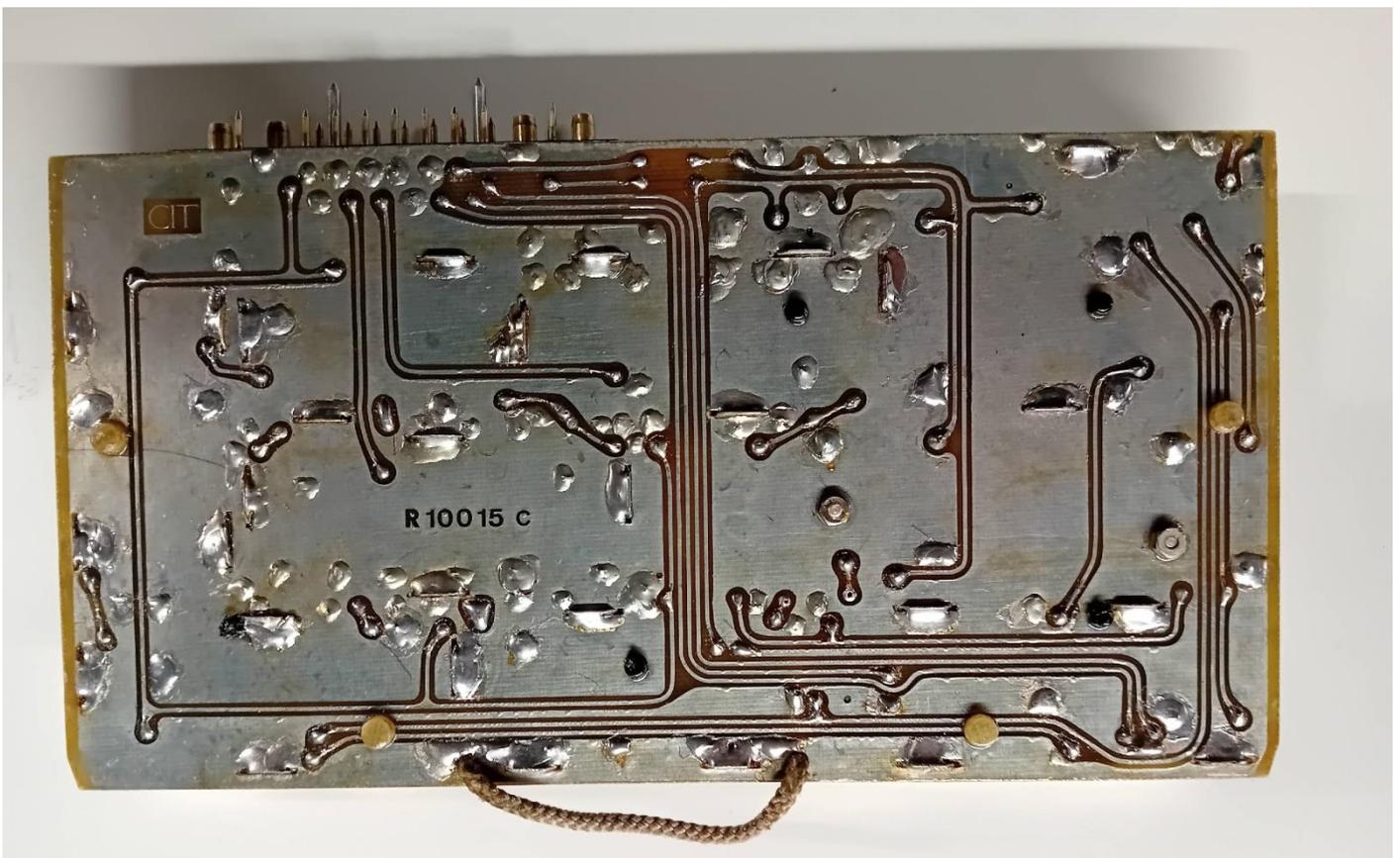
[Abb.25+25a pag.55+56]



R 010 013 GH3, Overtone generator 3

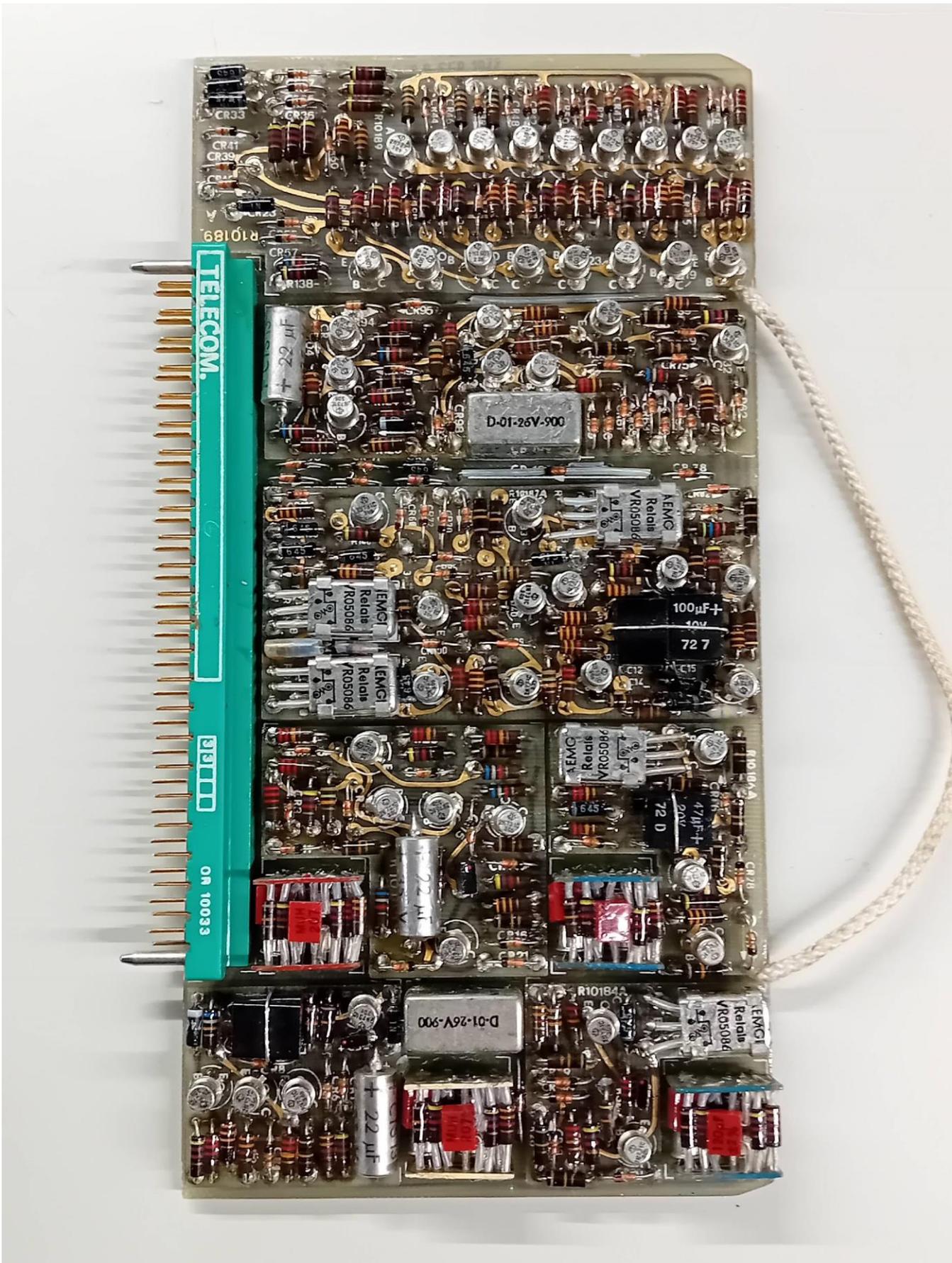
[Abb.25+25a pag.55+56]

2/2



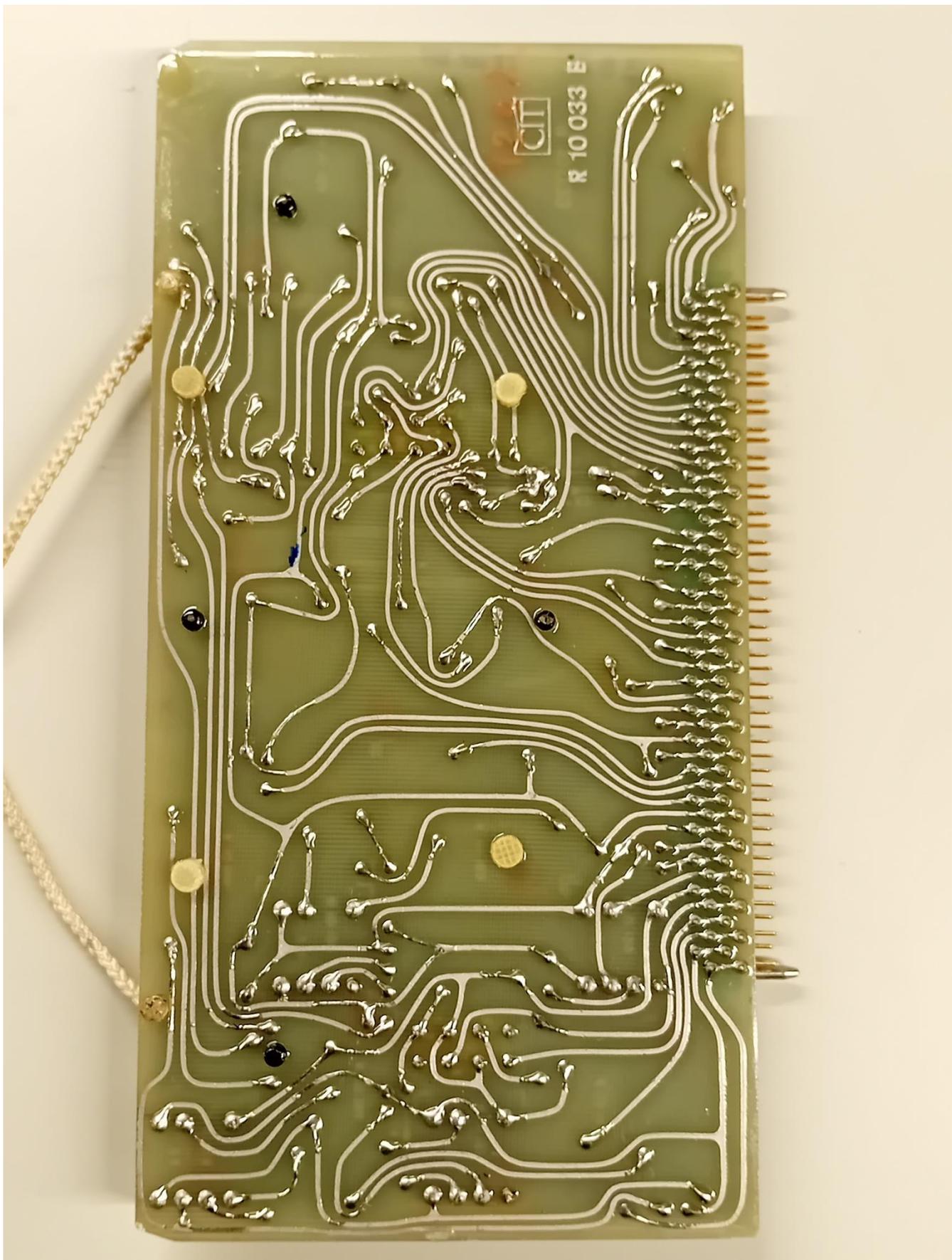
R 010 015 BOUCLE Houte, Oscillator higher band.

[Abb.26 pag.57]



R 010 033 TELECOMMANDE Remote Control

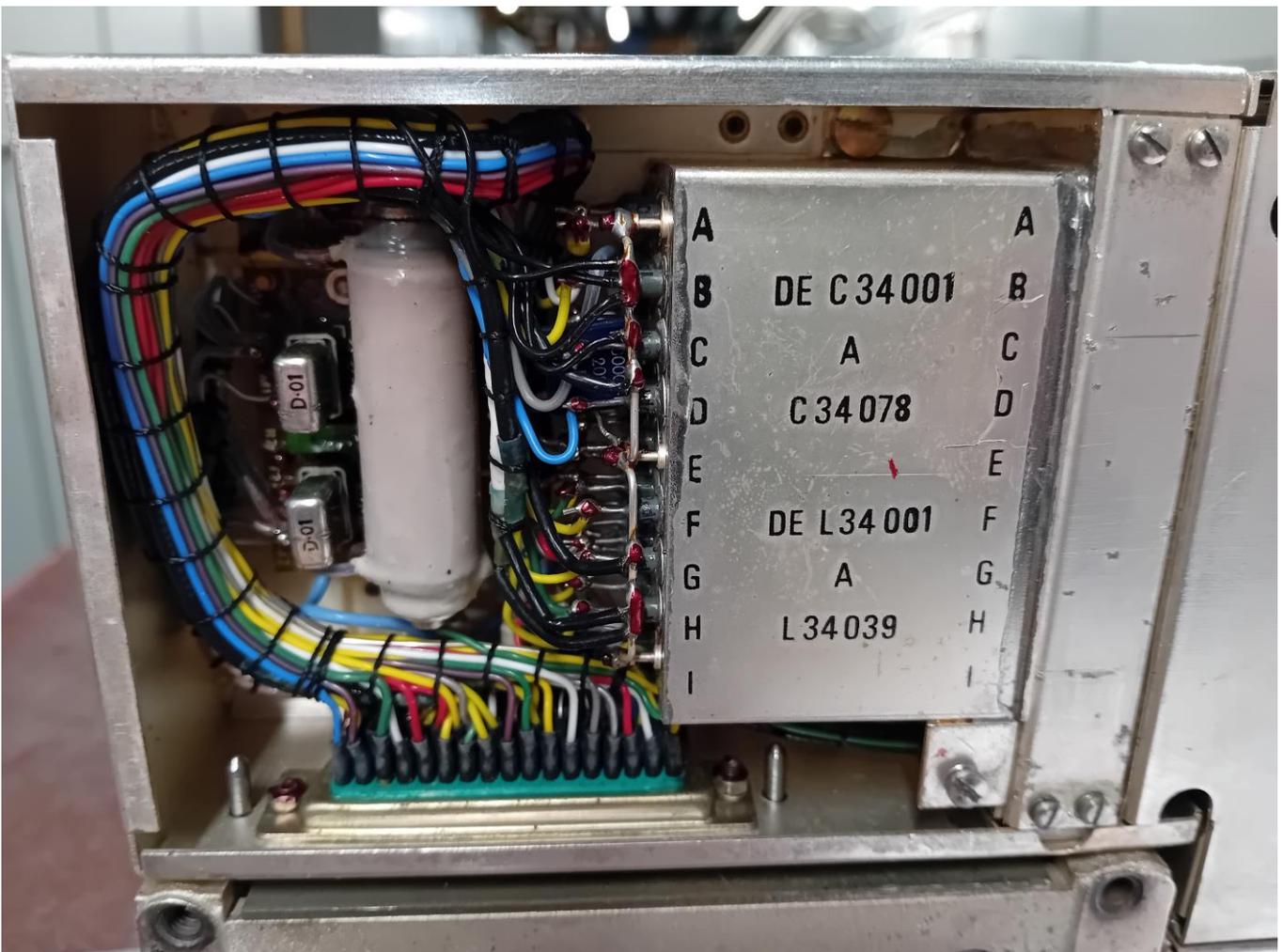
[Abb.28-29-30 pag.60]



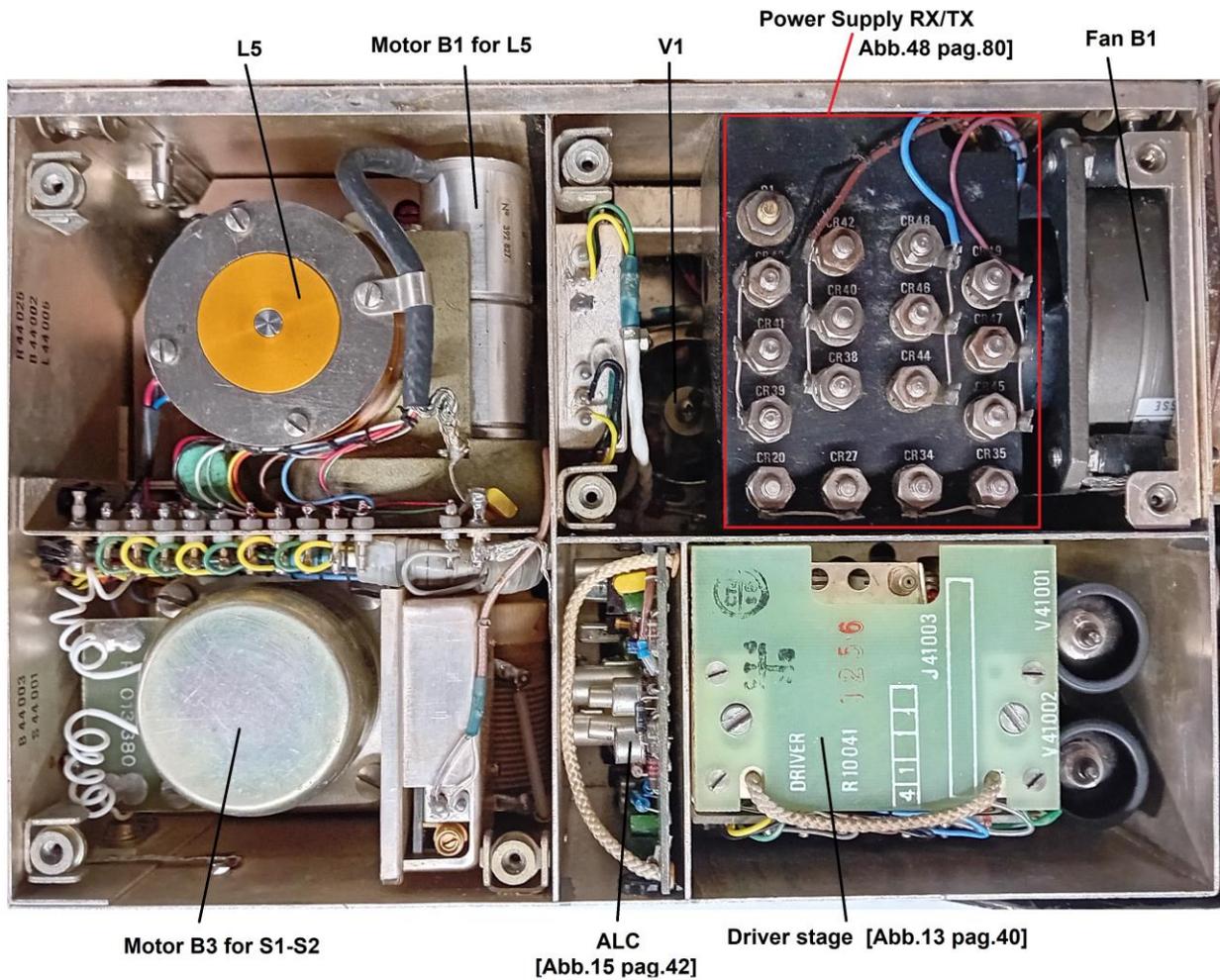
R 010 033 TELECOMMANDE Remote Control

[Abb.28-29-30 pag.60]

2/2



Components in compartment above rear connector.



Driver & Power Amplifier unit

[Abb.12 pag.39] & [Abb.14 pag.41]

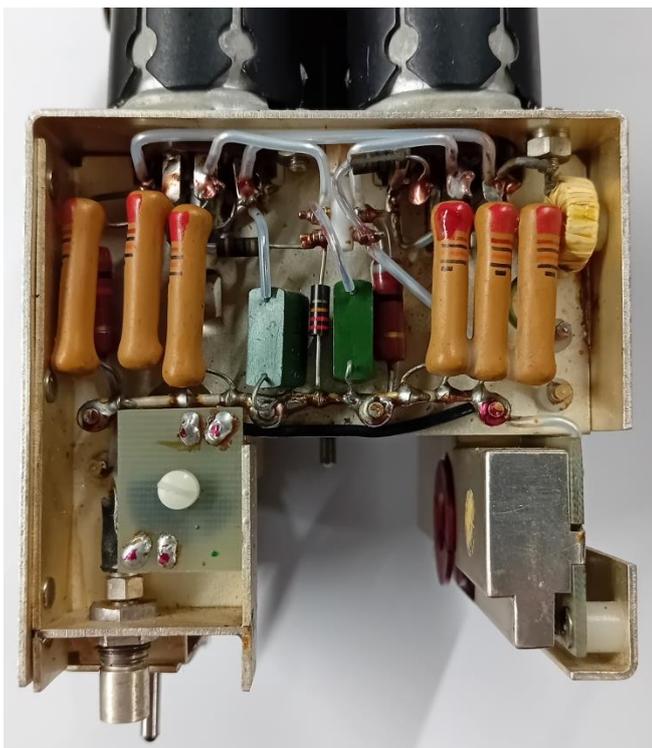


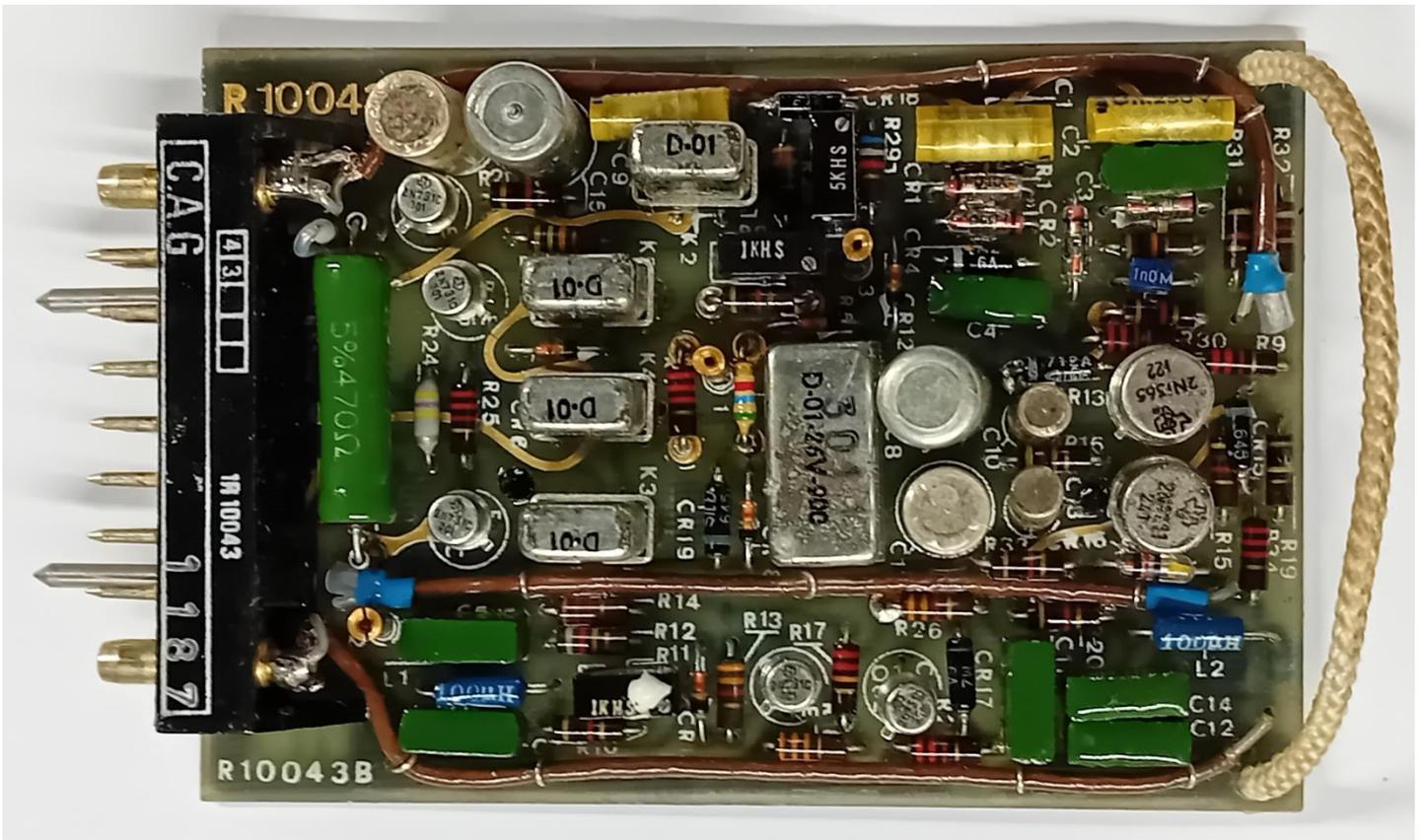
Detail base of V1 4CX250



R 010 538 PA-Driver stage

[Abb.13 pag.40]





R 010 043 ALC

[Abb.15 pag.42]



End of version 1. Version 2 is coming up...