

Service Adjustments Cont'd.

2.1: Alignment

White balance.

Preparation
 Black Stretch set to "off" (Picture Menu).
 Infocentre → Special Functions → Service →
 > Code 8500 → White Balance.

Alignment Process
 With the + buttons set the VG (amplification green) and VB (amplification blue) values so that the white rectangular area in the middle of the picture becomes achromatic. Store with "OK".

2.2: Alignment
 Screen grid voltage.

- Preparation**
- Feed in the test pattern.
 - Switch the TV receiver to AV mode.
 - Adjust the screen brightness with the remote control handset so that the grey areas just become dark.
 - Connect the voltmeter (200 kW series resistance) to the test points R,G,B to determine the test point with the highest voltage level.
 - Oscilloscope: measured test point.

Alignment Process
 With the control SG on the picture tube panel set the voltage to 162.5V±2.5V. If flyback lines are visible on the screen reduce the voltage by 10V approximately.

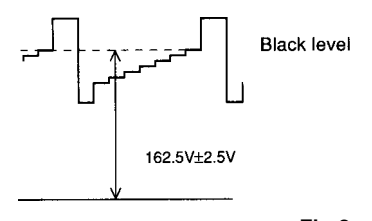
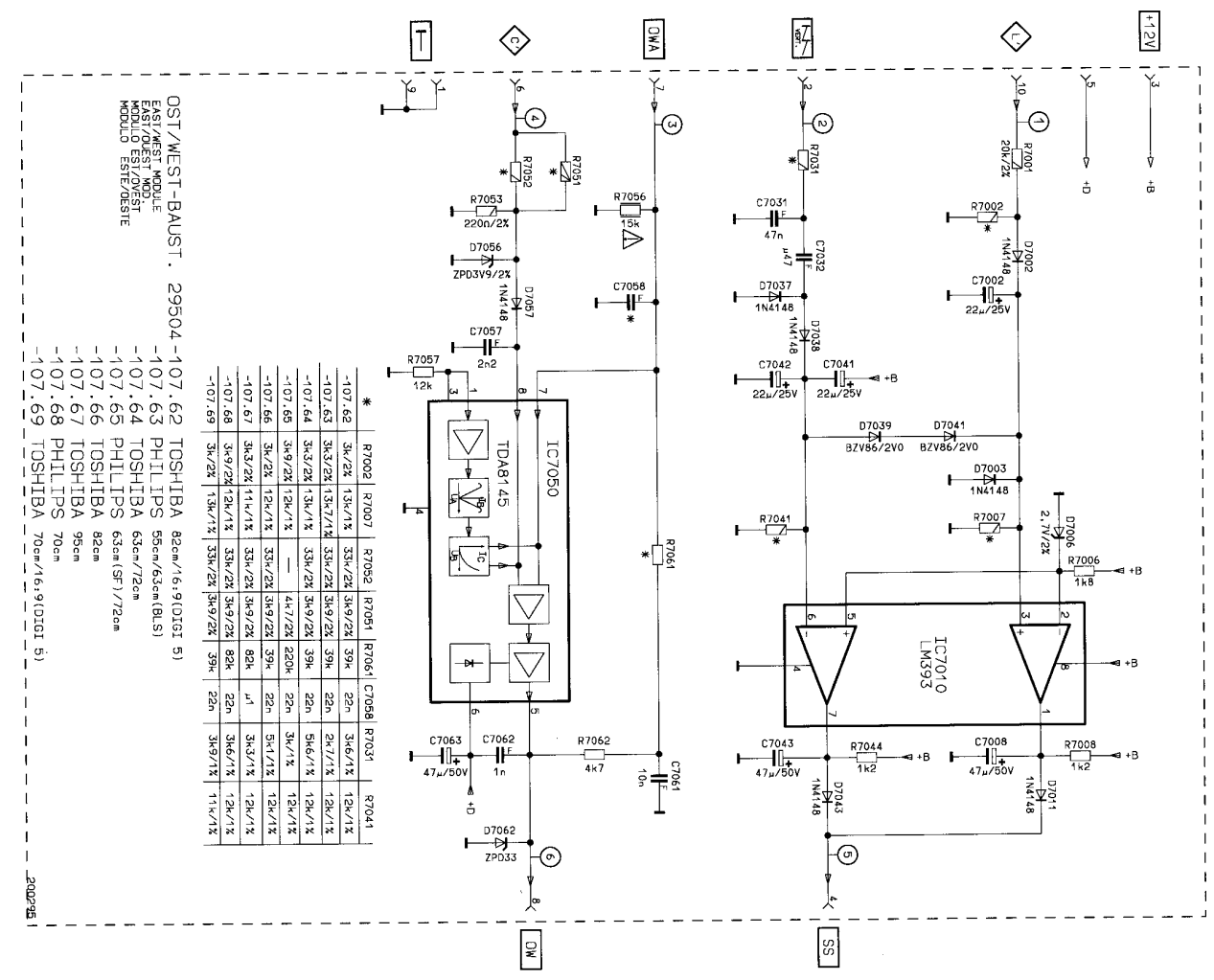
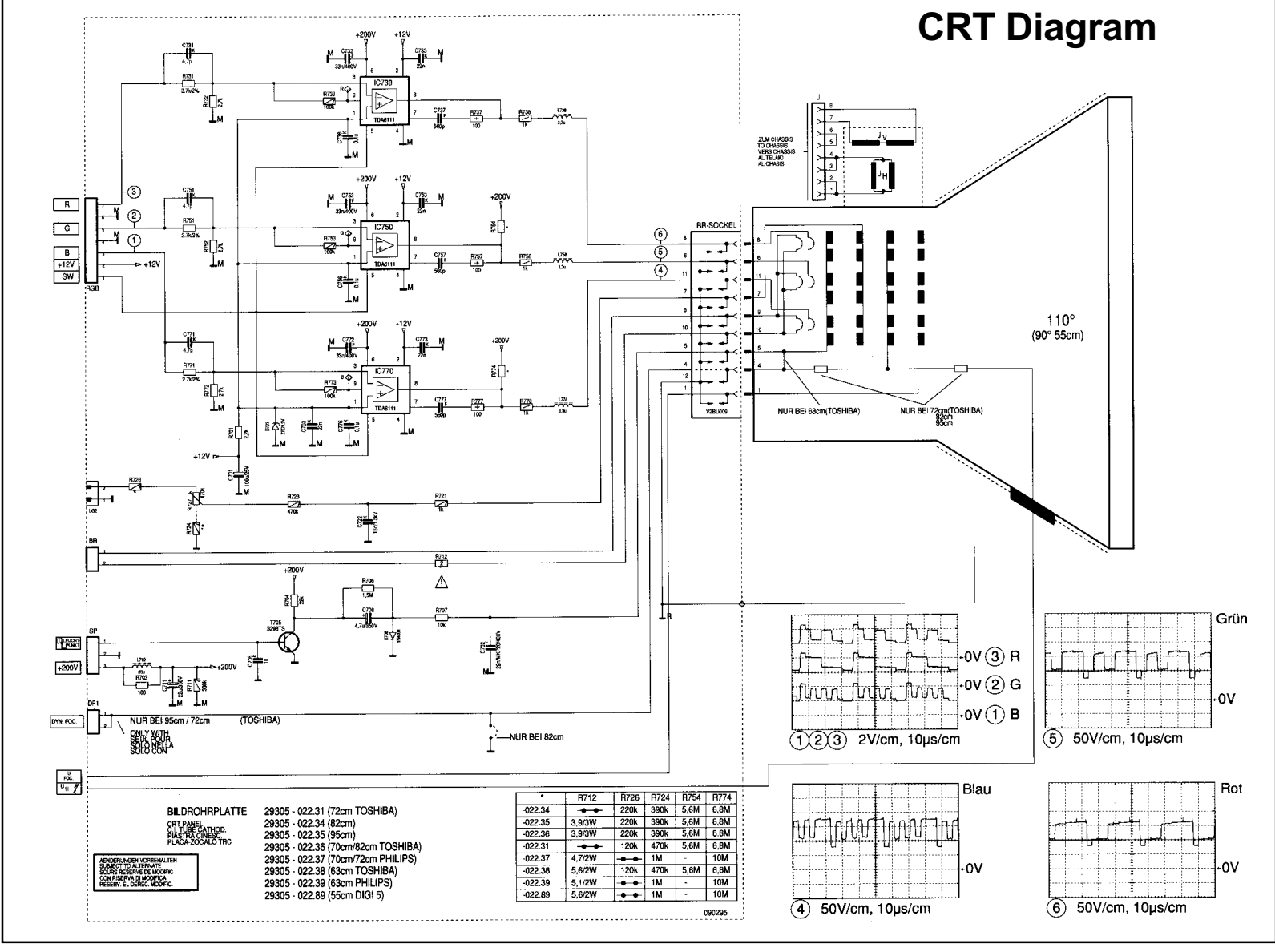


Fig 2.

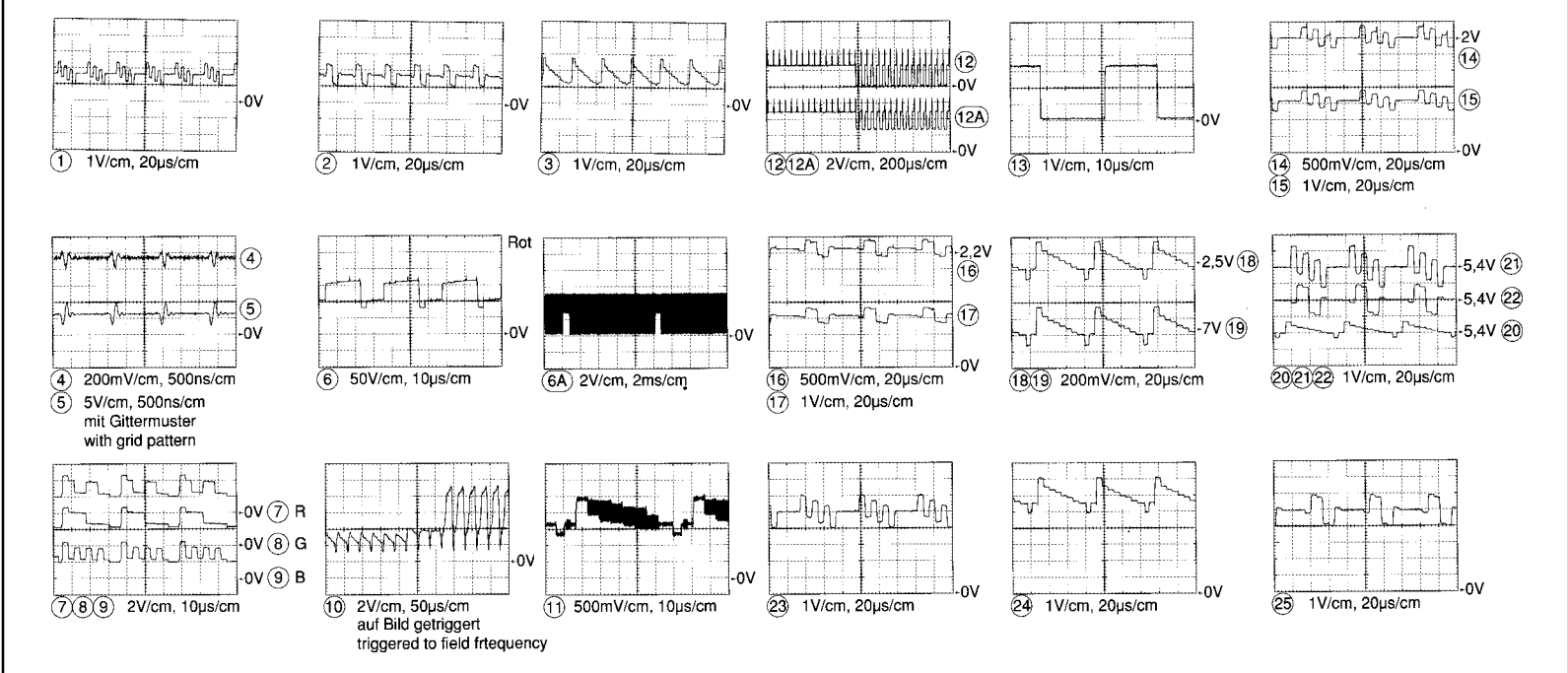
East West Diagram



CRT Diagram

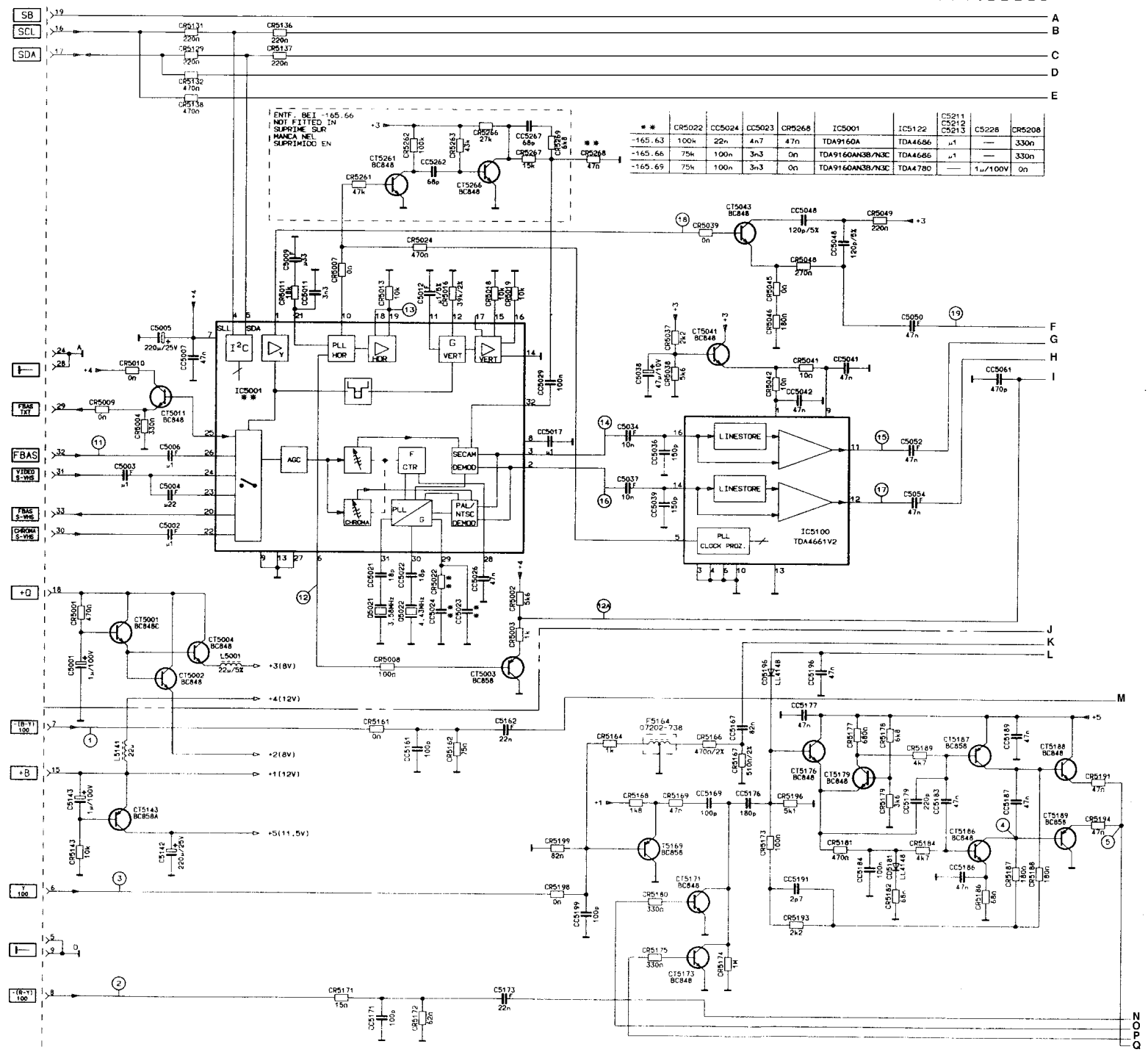
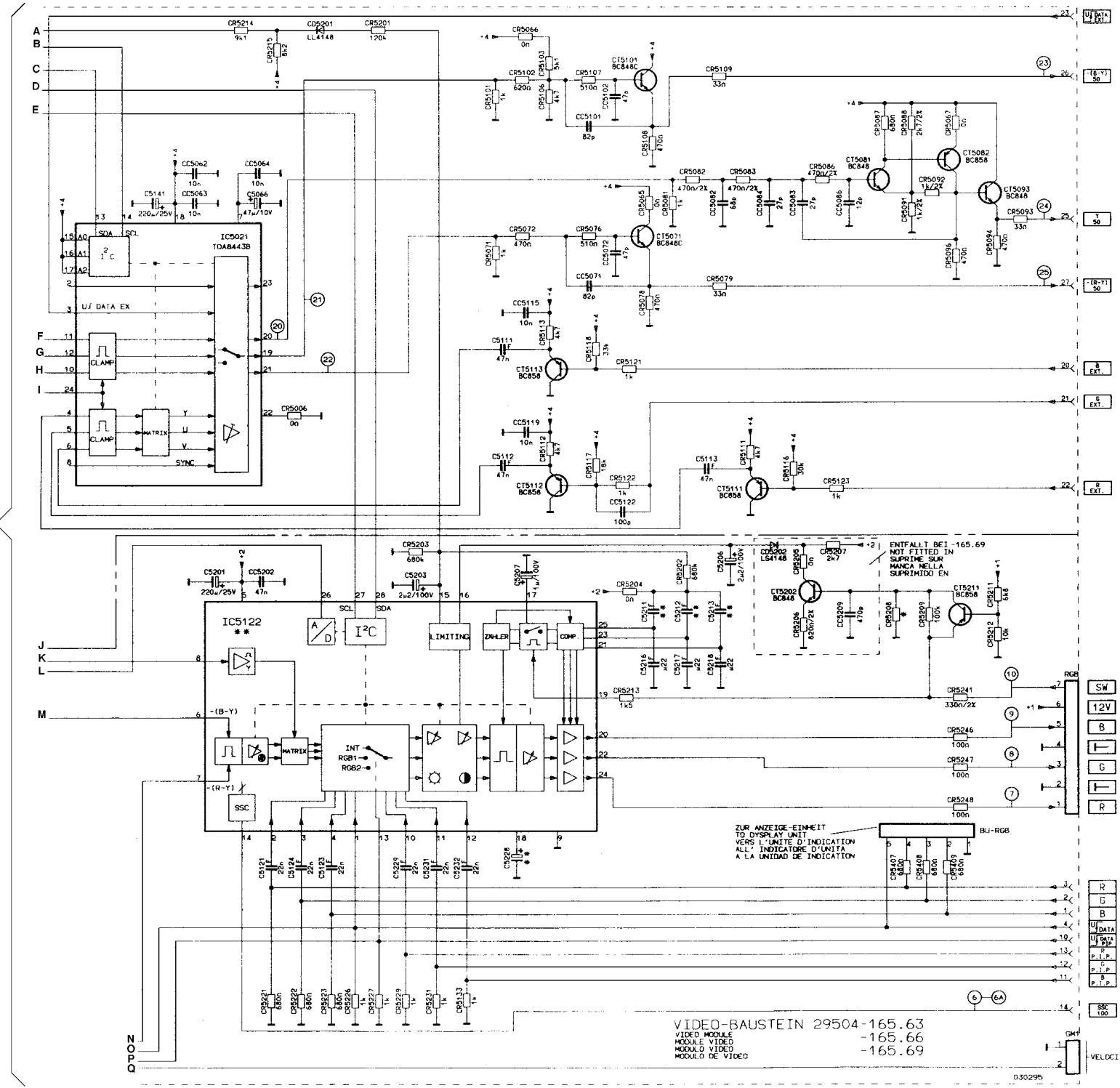


Waveforms - Video Diagram



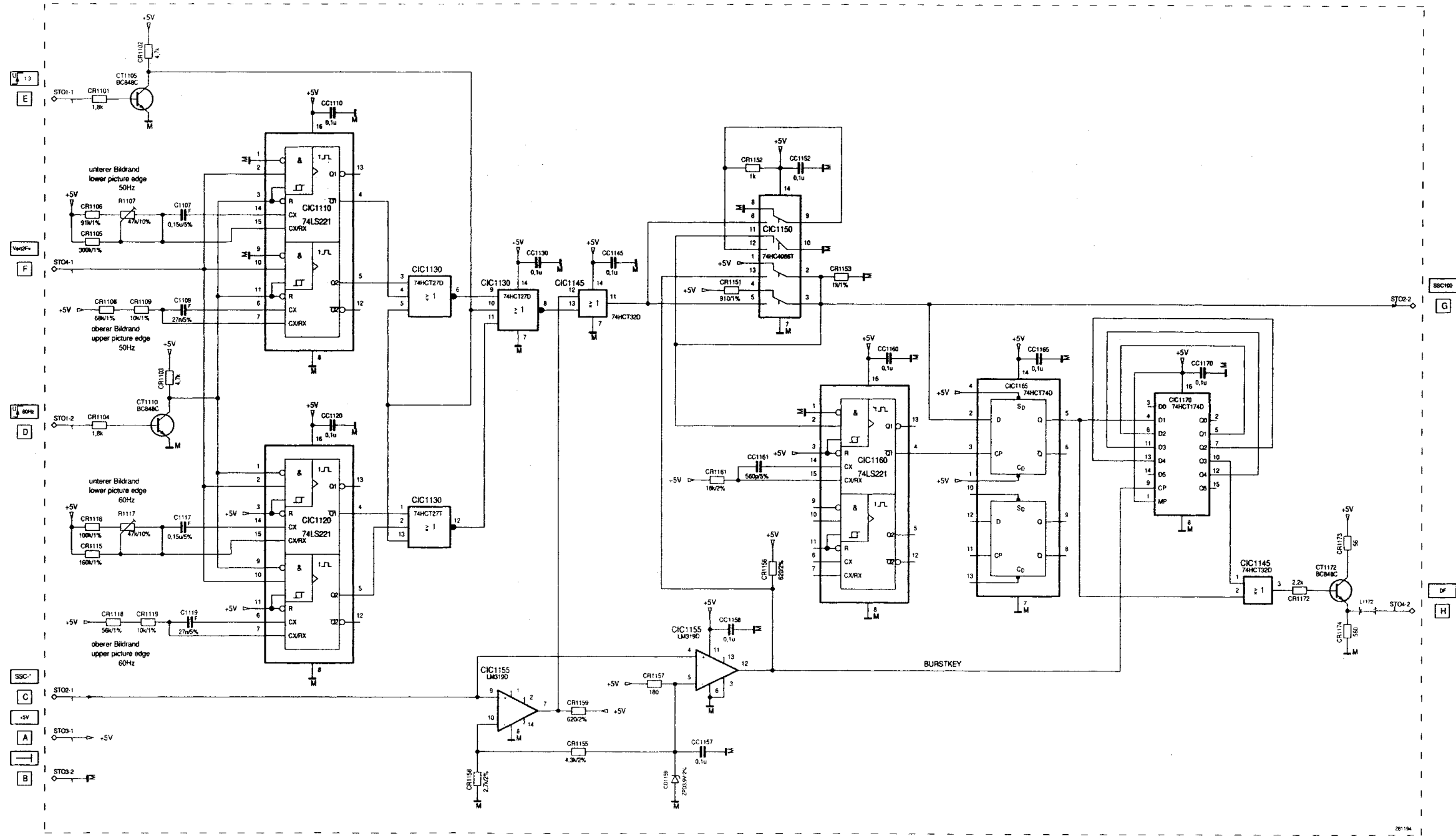
Video Diagram

1

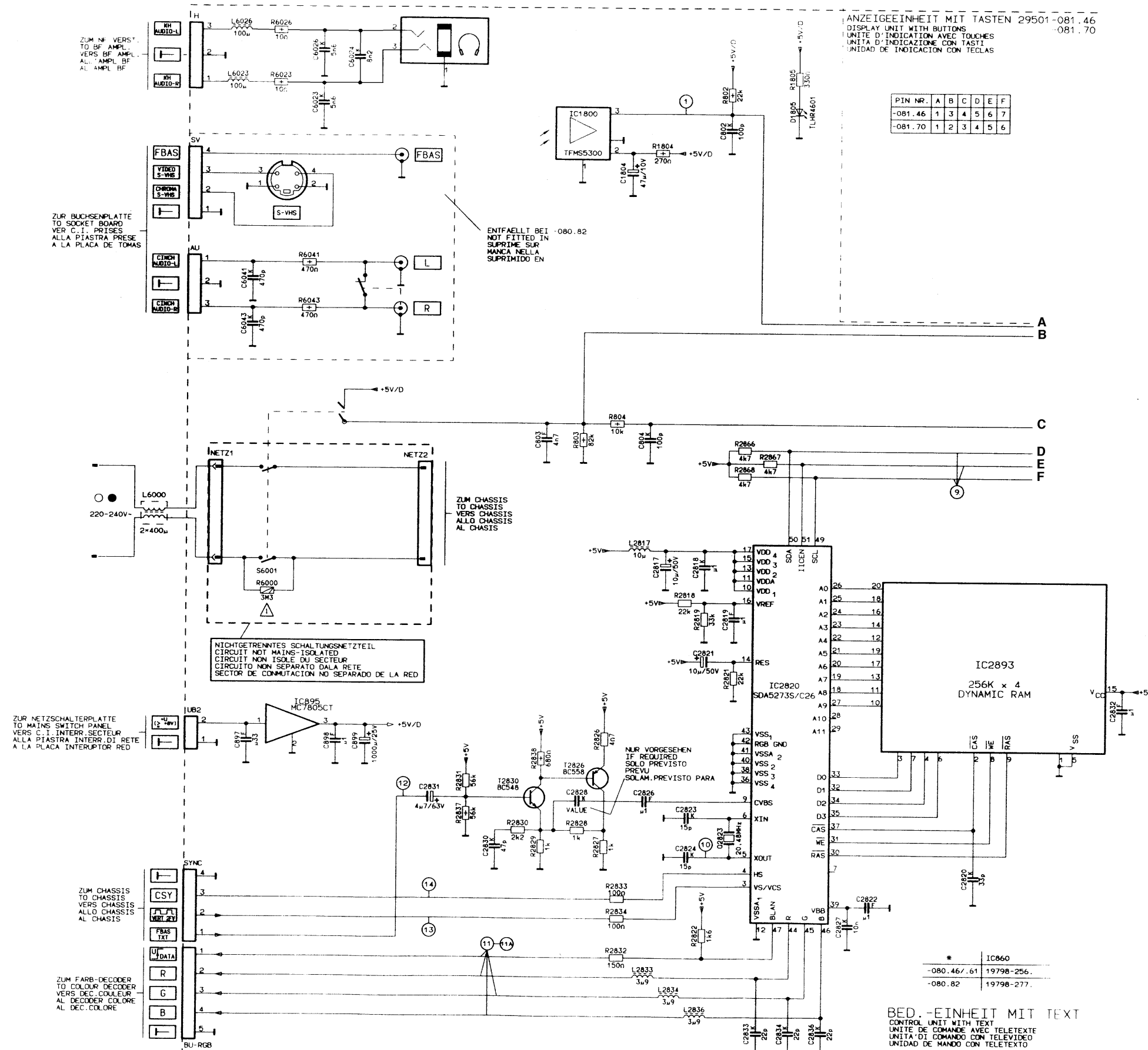


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Sandcastle Diagram



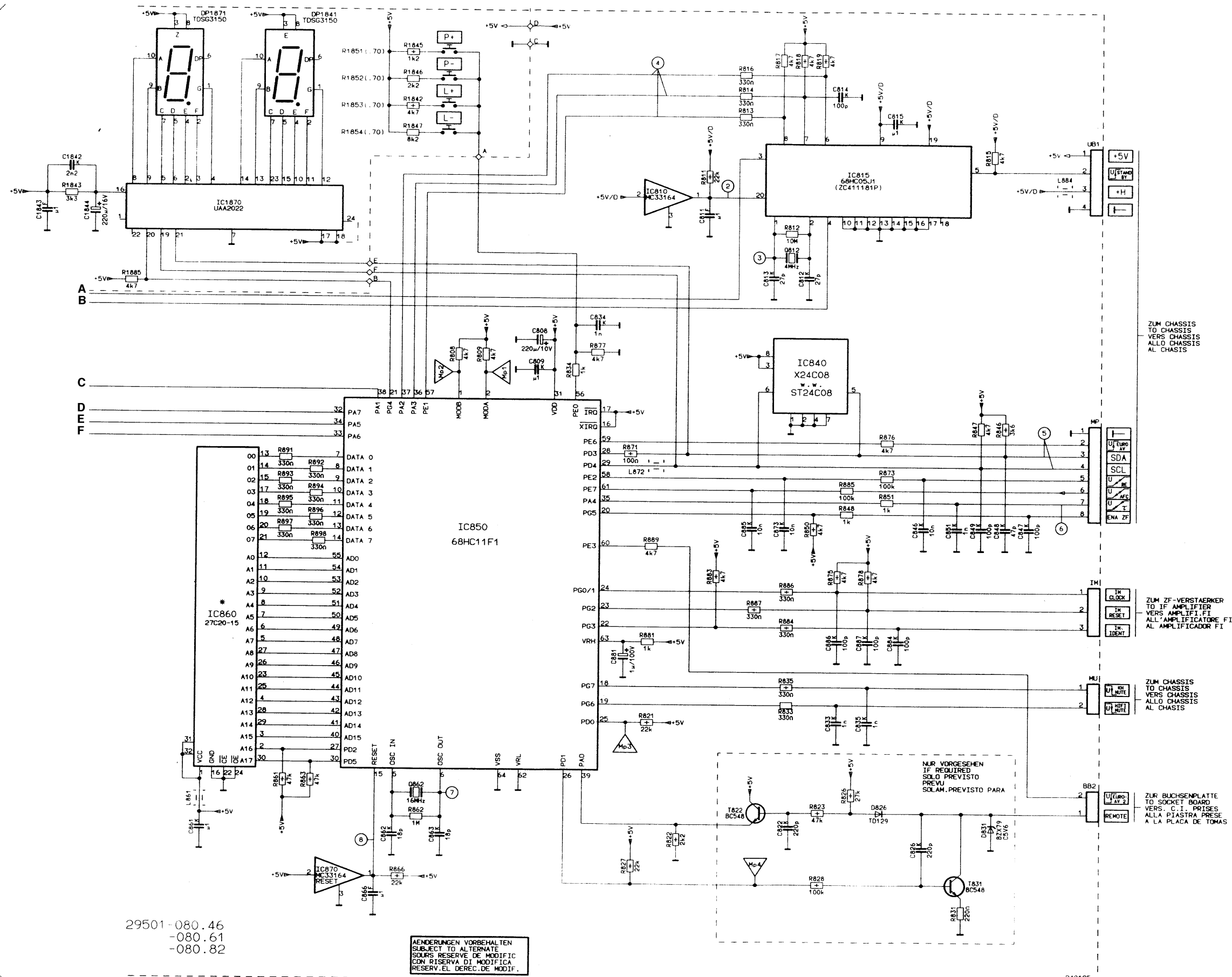
Control Diagram



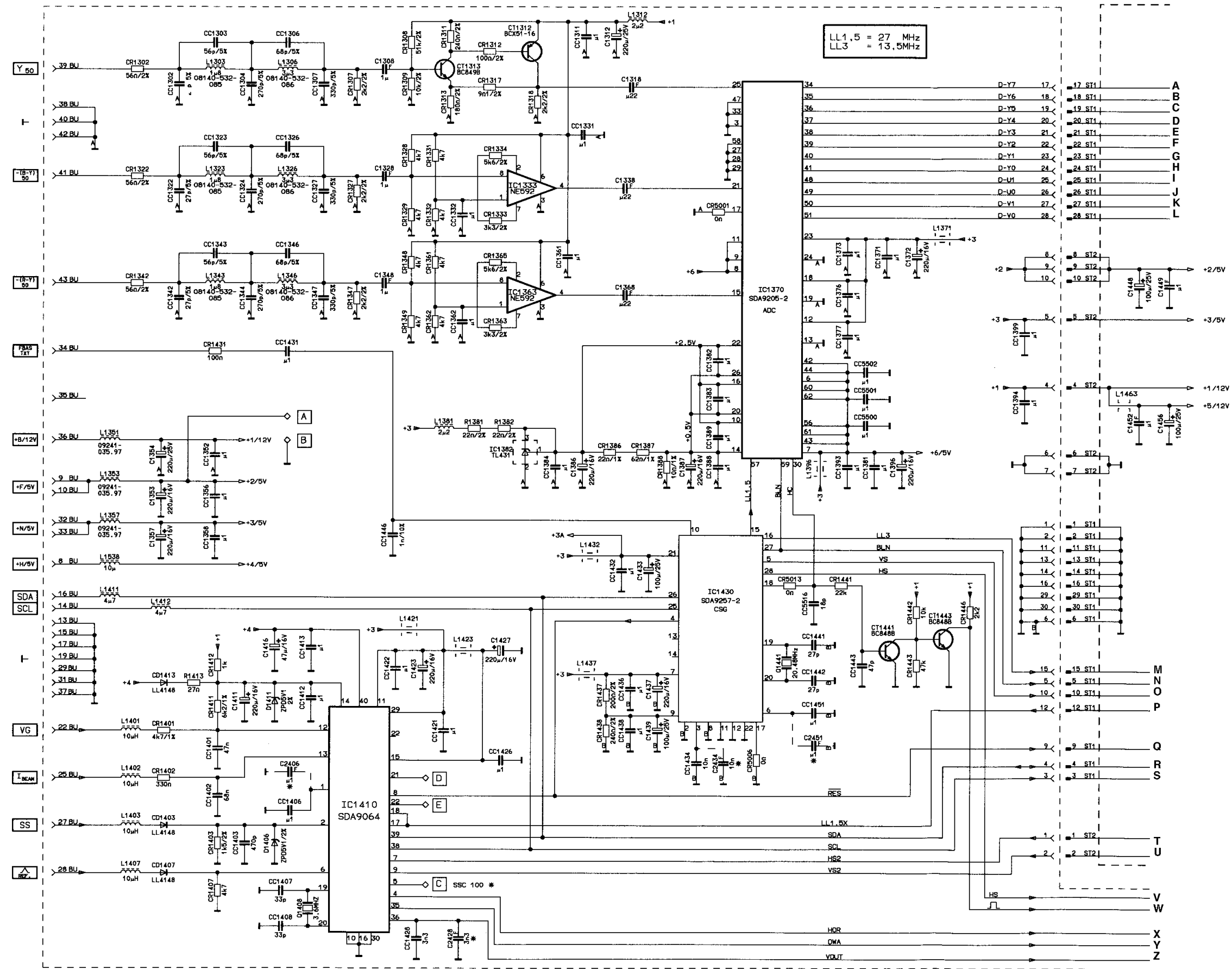
Continued at 2

Control Diagram Cont'd

2

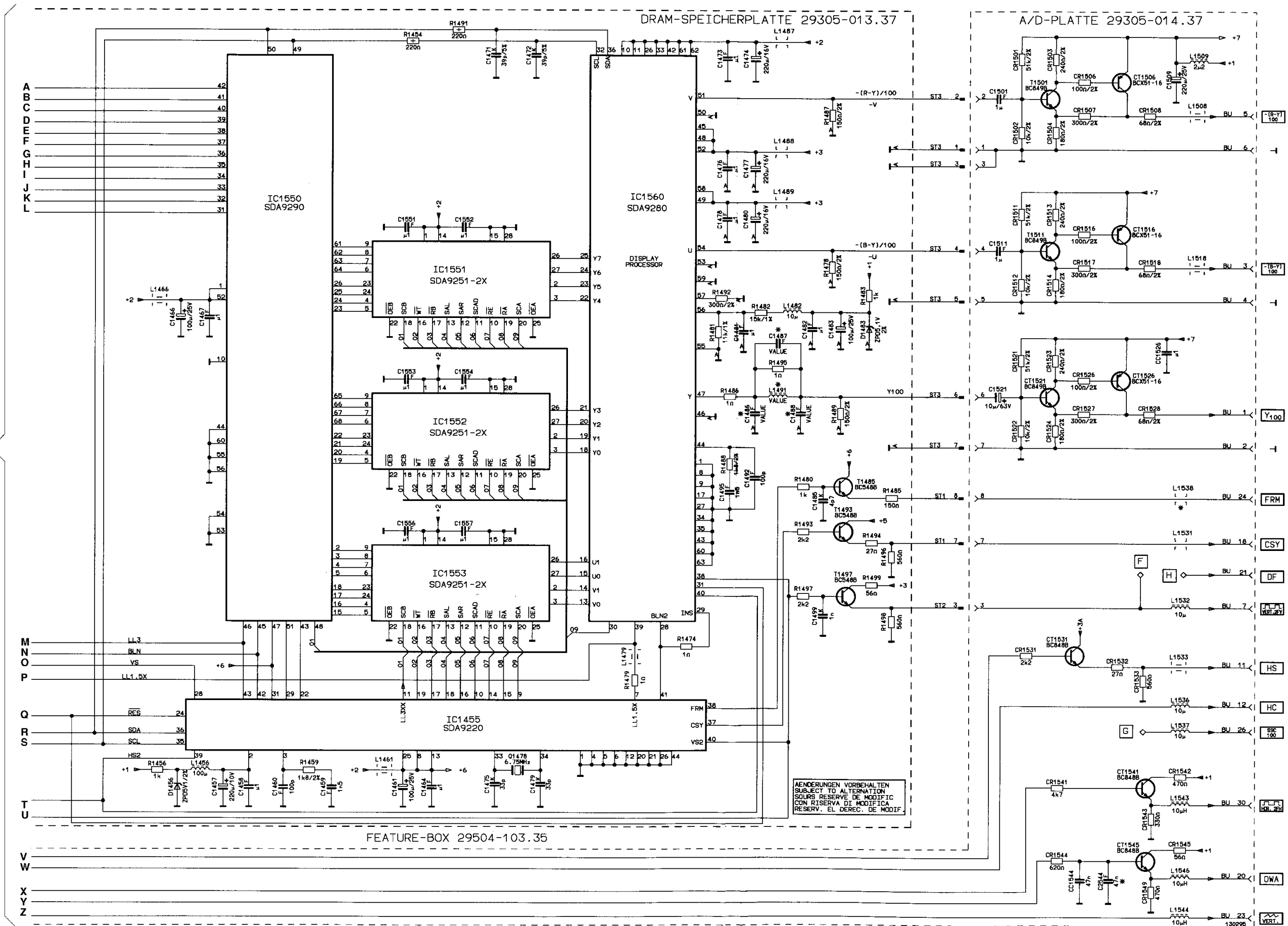


Feature Box Diagram



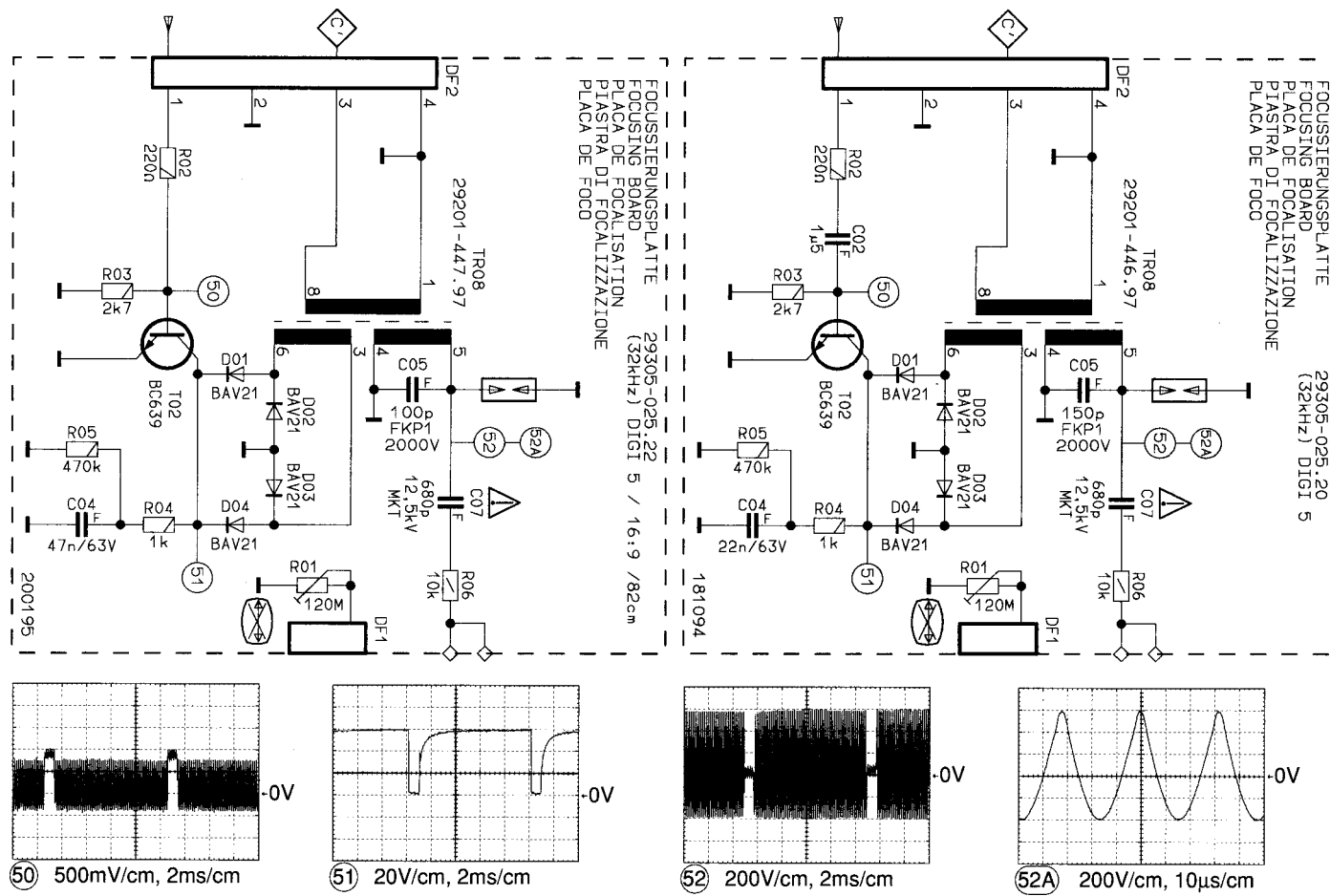
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Feature Box Diagram Cont'd

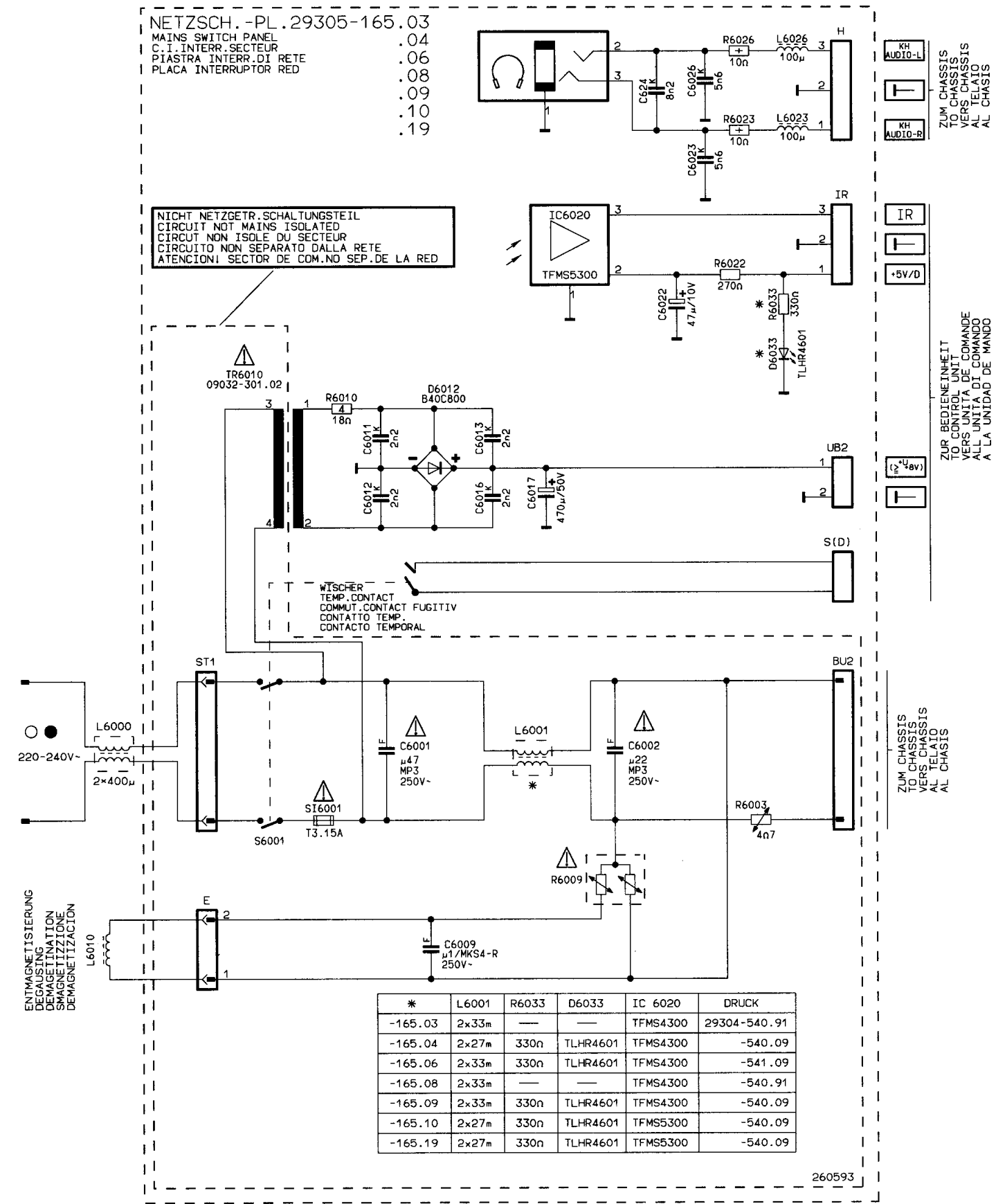


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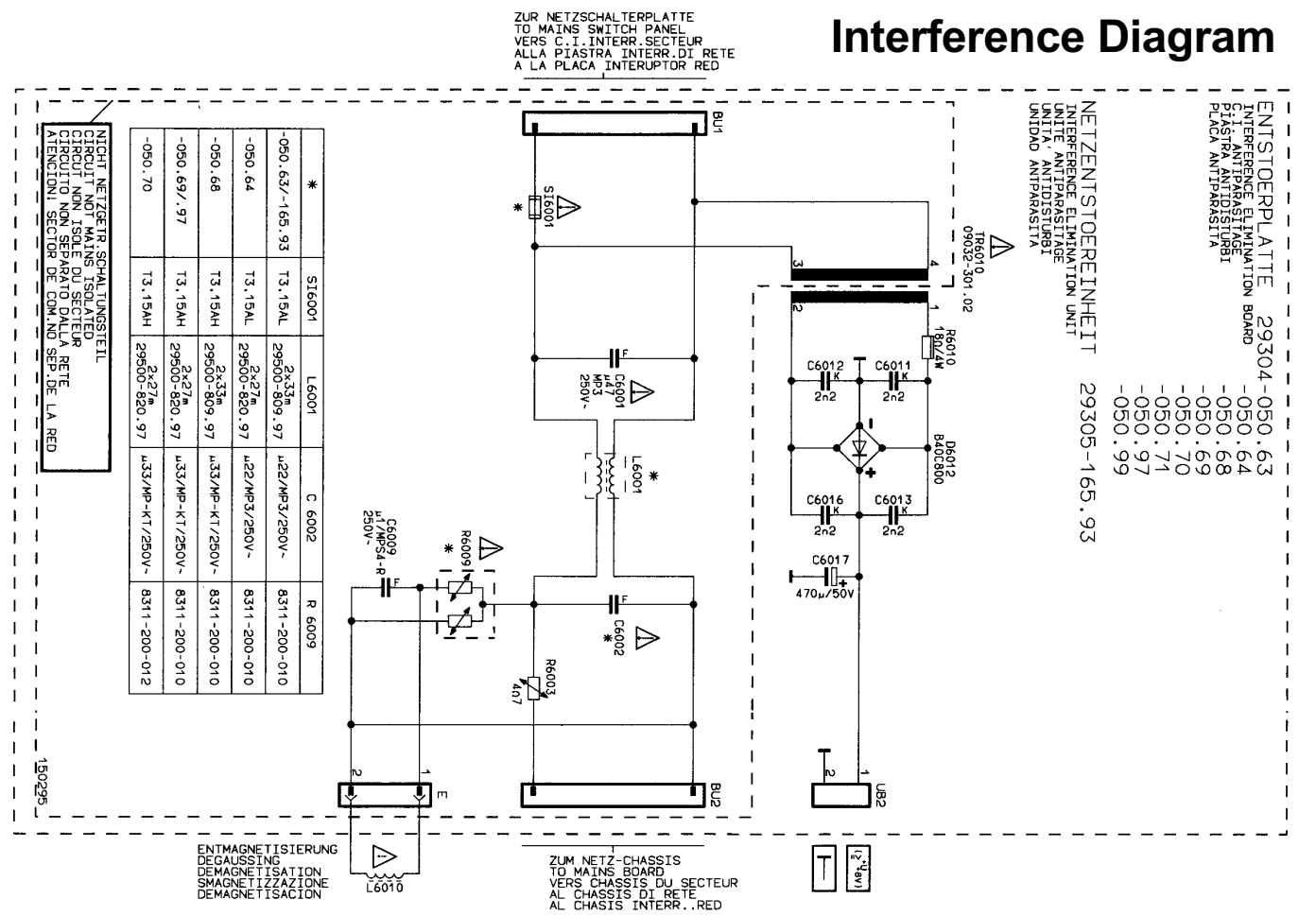
Focussing Diagram



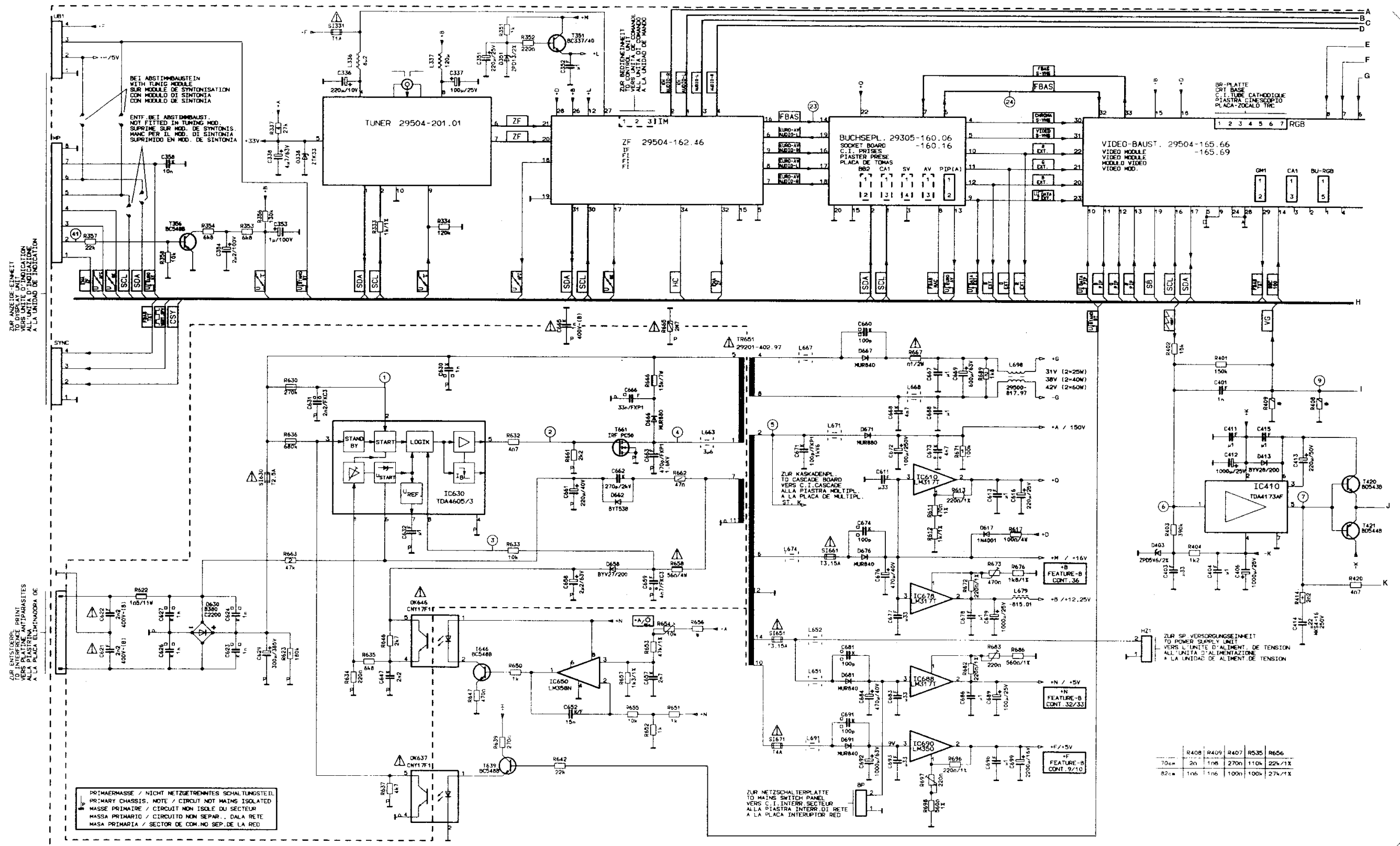
Power Supply Diagram



Interference Diagram

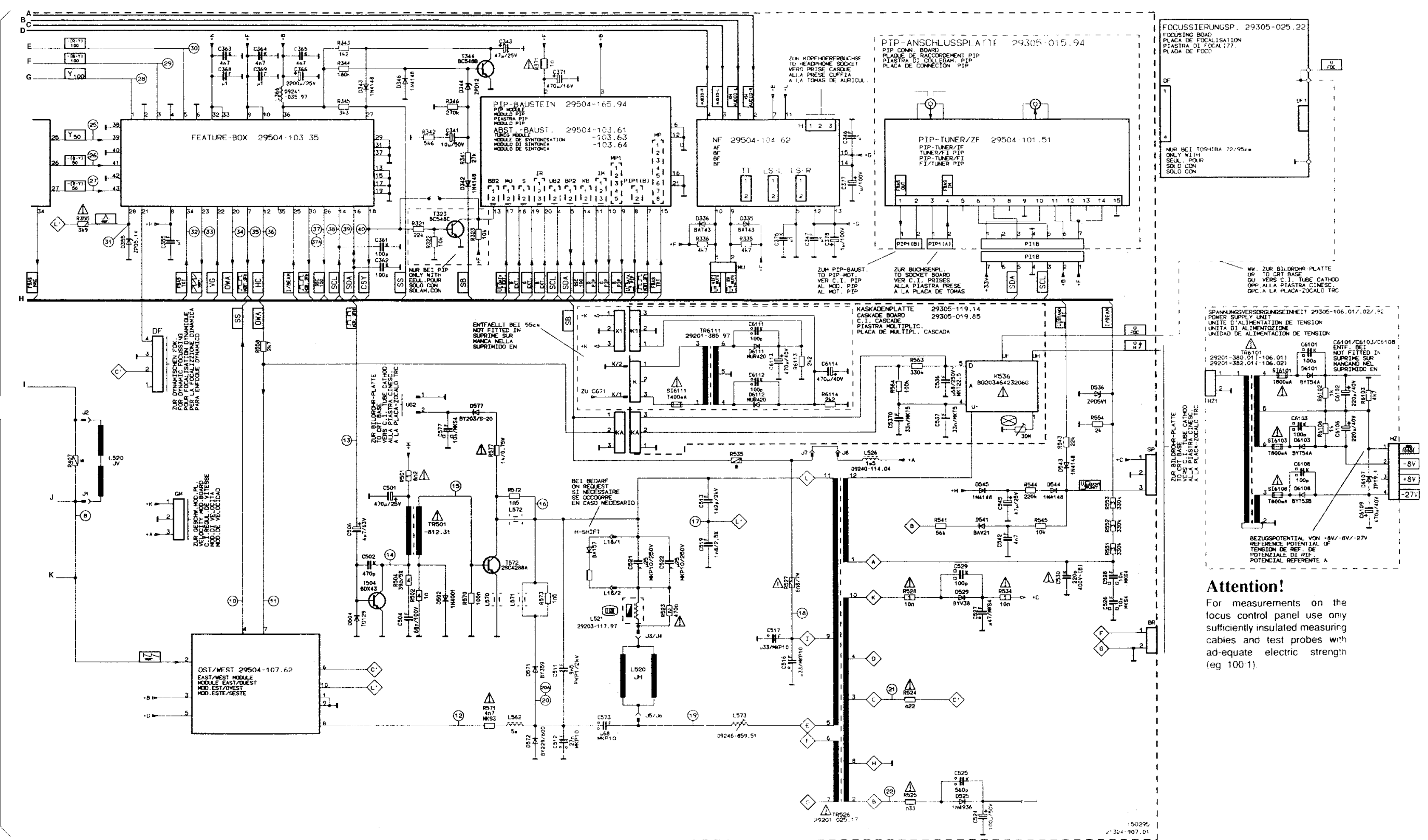


Main Diagram



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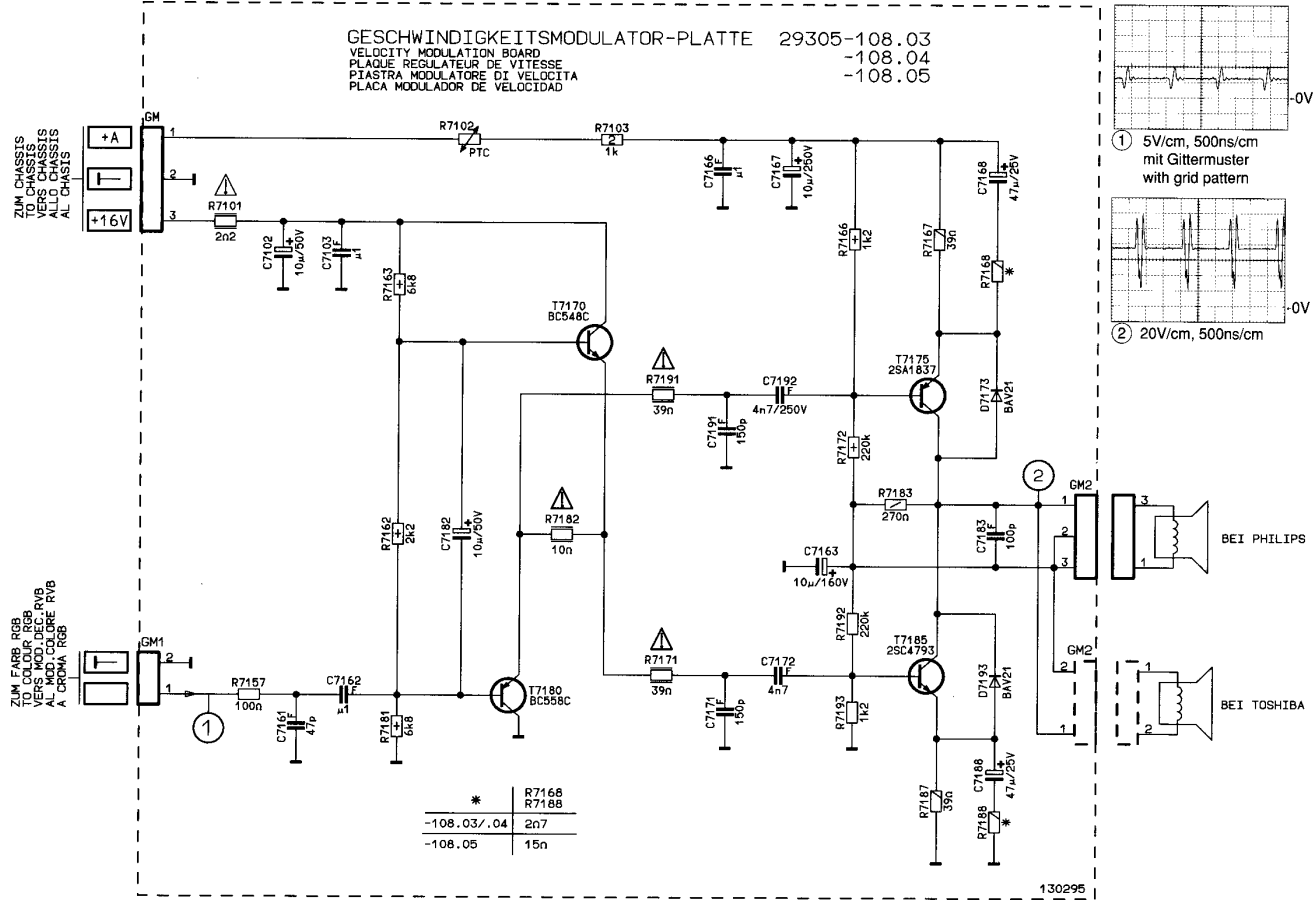
Main Diagram Cont'd



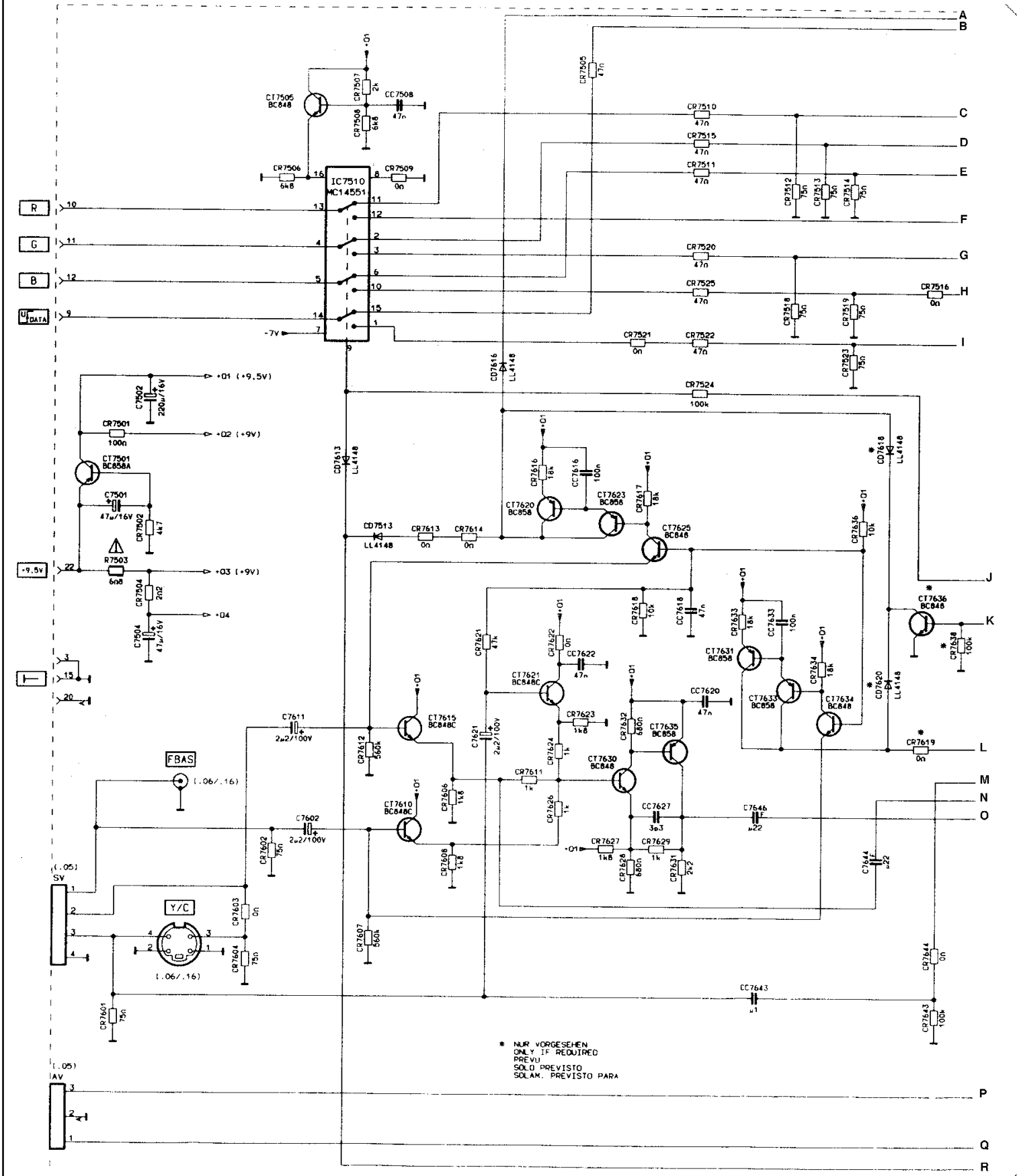
4

Attention!
 For measurements on the focus control panel use only sufficiently insulated measuring cables and test probes with adequate electric strength (eg 100:1).

Velocity Diagram



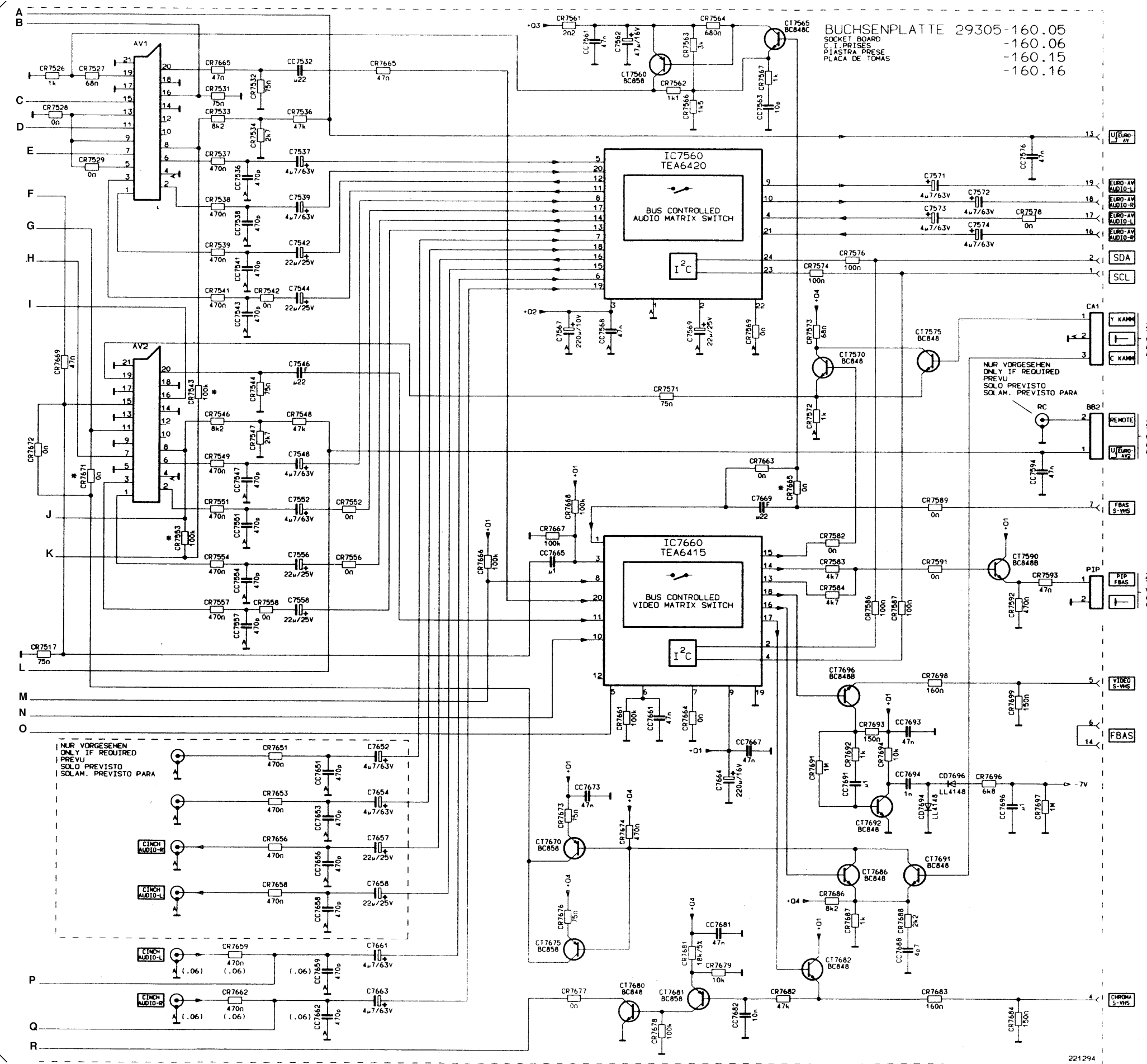
Socket Diagram



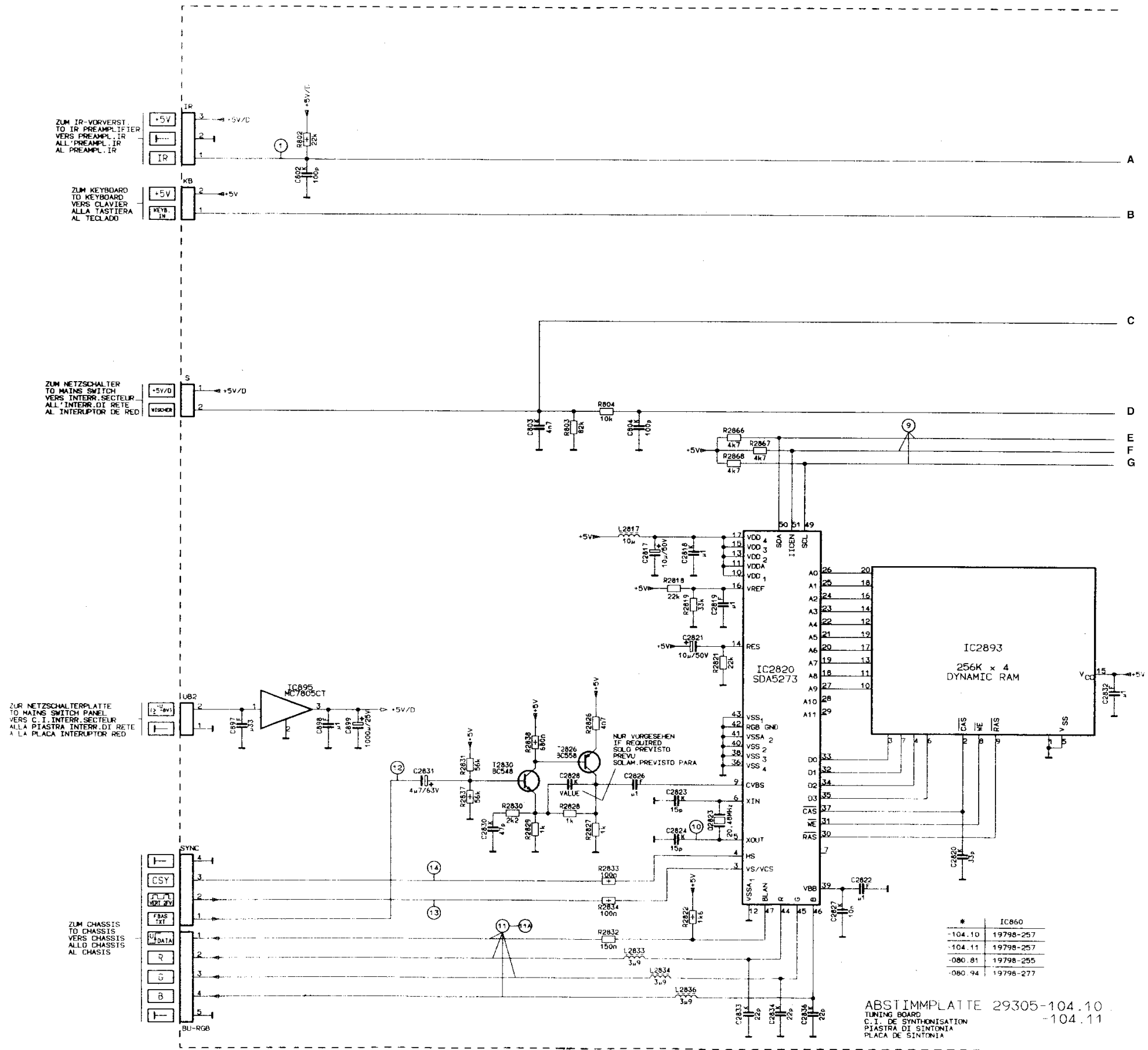
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Socket Diagram Cont'd

5



Tuner Diagram



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Tuner Diagram Cont'd

6

