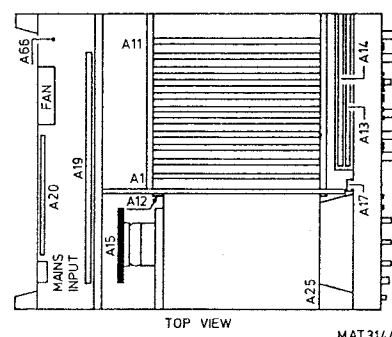


UNIT A15 - Z AMPLIFIER UNITCONTENTS

8.15.1	General information.....	8.15-1
8.15.2	Final Z-stage.....	8.15-1
8.15.3	Final focus stage.....	8.15-1
8.15.4	Signal name list.....	8.15-2

## 8.15.1 General information

This unit basically comprises a Z-demodulator circuit, a final Z-stage and a final focus stage.

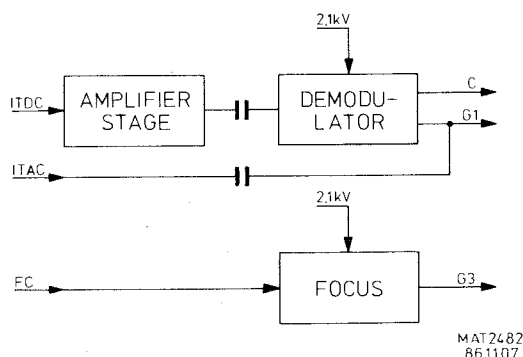


Figure 8.15.1 Blockdiagram final Z-stage.

## 8.15.2 Final Z-stage

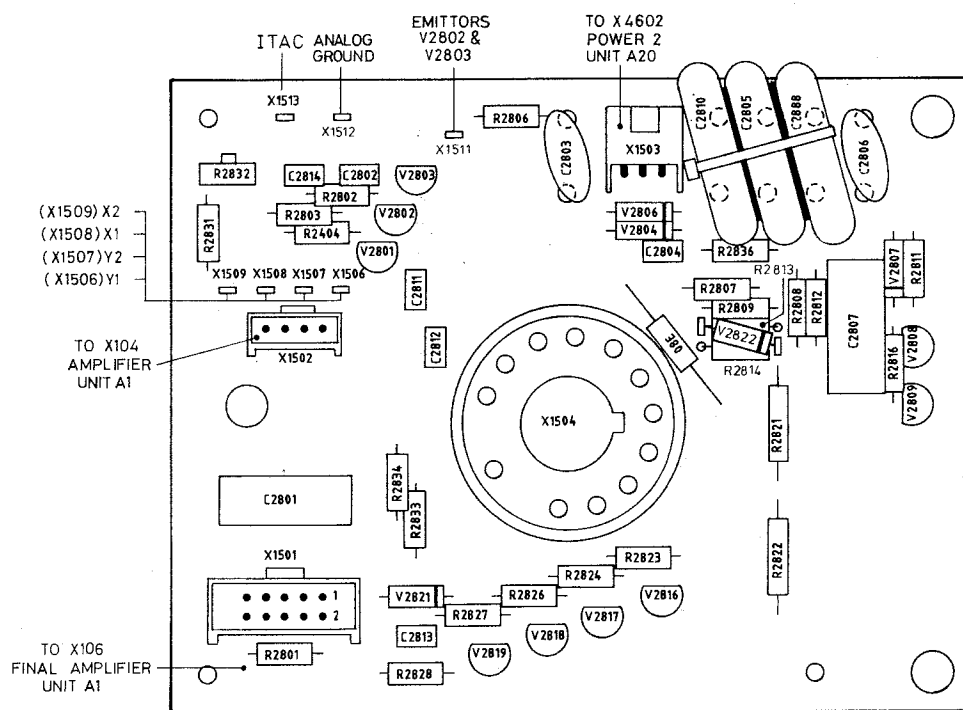
The high frequency component ITAC of the Z-signal is fed via a high voltage capacitor C2806 to the high voltage part of the circuit. The modulated low frequency component ITDC of the Z-signal is fed via a high voltage capacitor C2803 to a demodulator circuit in the high voltage part of the circuit. The resulting demodulated signal is then combined with the high frequency component from C2806 and applied to the intensity grid G1 of the C.R.T.

## 8.15.3 Final focus stage

The focus signal FC is applied to the final focus stage brought on a correct level and applied to the focus grid G3 of the C.R.T.

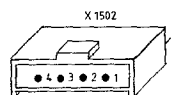
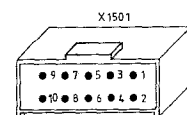
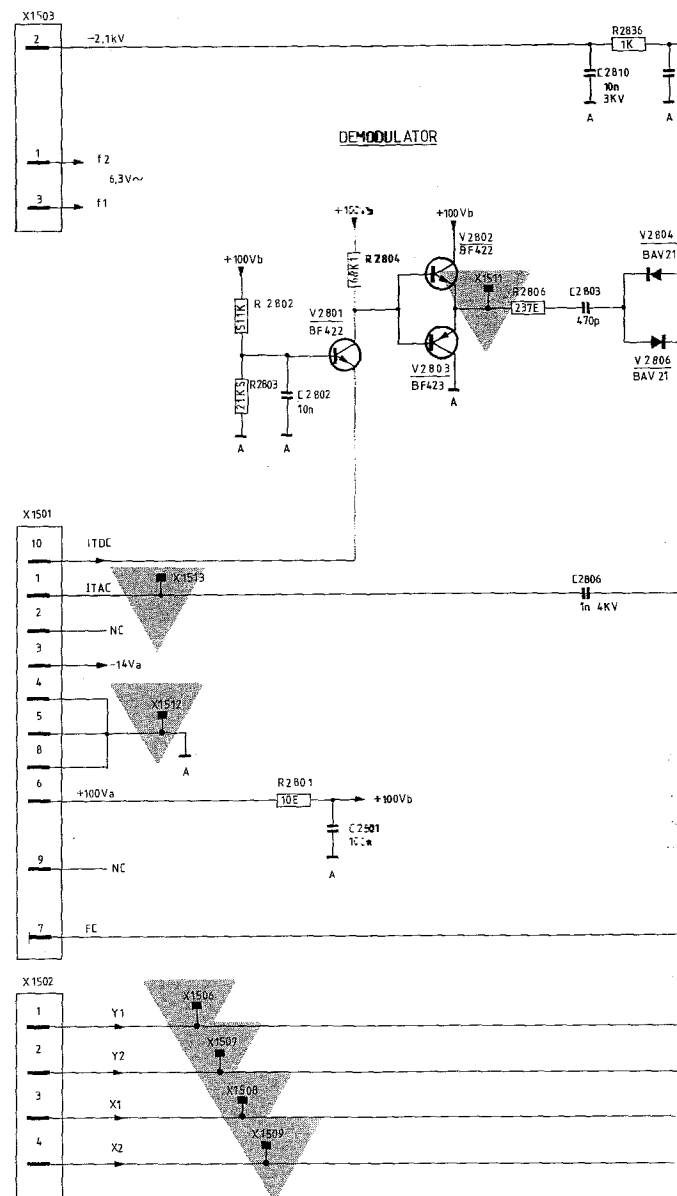
## 8.15.4 Signal name list

Signal name	Description	Signal source	Signal destination(s)
f1	Filament 1	A20	-
f2	Filament 2	A20	-
FC	Focus	A1	-
ITAC	Intens a.c. component	A1	-
ITDC	Intens d.c. component	A1	-
X1	X1 input for C.R.T.	A1	-
X2	X2 input for C.R.T.	A1	-
Y1	Y1 input for C.R.T.	A1	-
Y2	Y2 input for C.R.T.	A1	-
-2,1 kV	-2,1 kV C.R.T.	A20	-



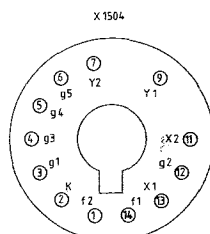
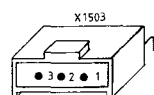
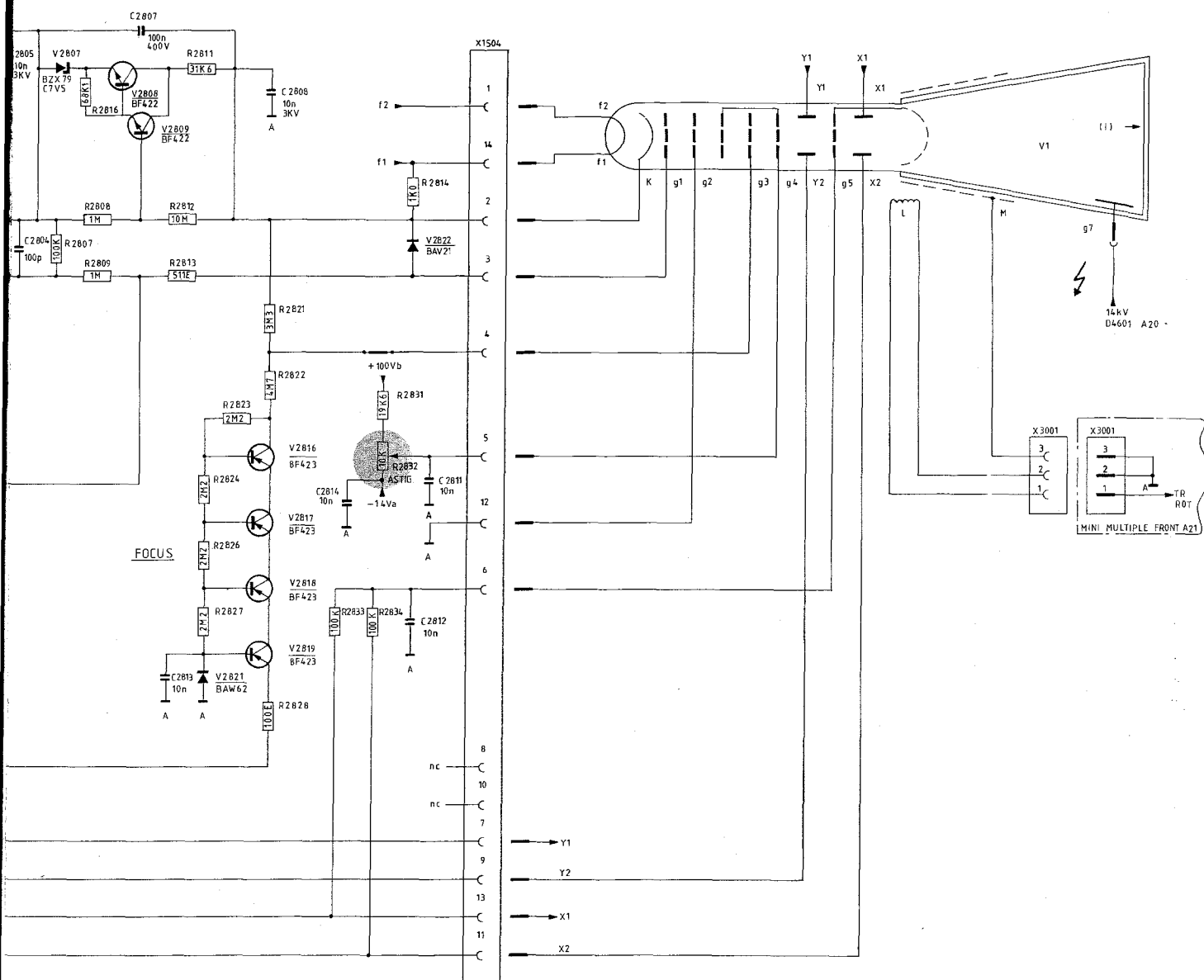
MAT2543A  
880205

Figure 8.15.2 Unit A15 - Z-AMPLIFIER - p.c.b. lay-out.



MOLEX CONNECTOREN FRONT VIEW

Figure 8.15.3 Unit A15 - Z-AMPLIFIER - ci



PIN ARRANGEMENT BOTTOM VIEW

g7(1)

MAT2601A