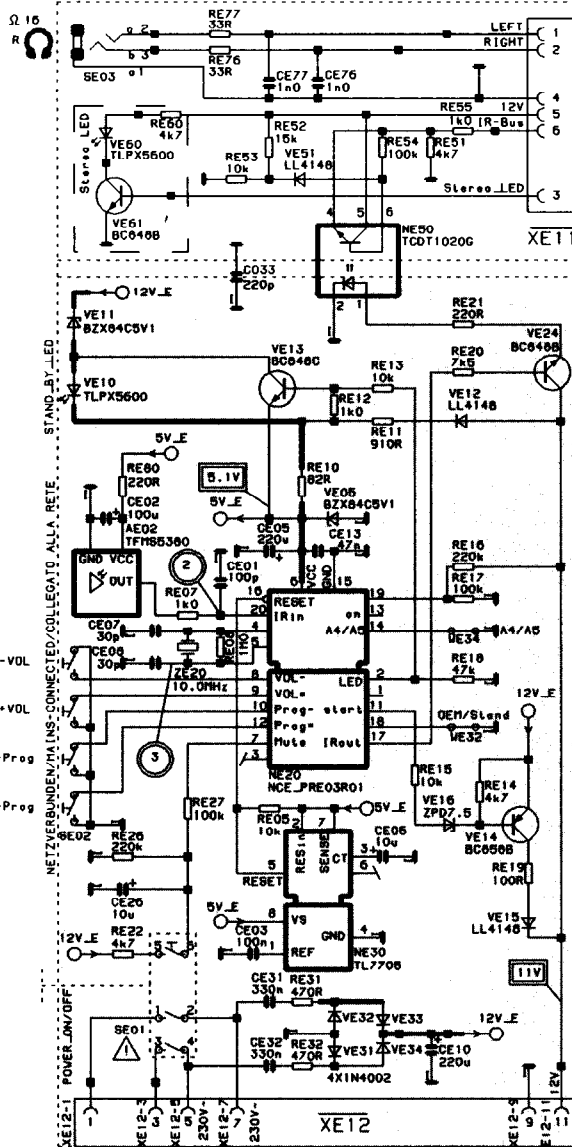
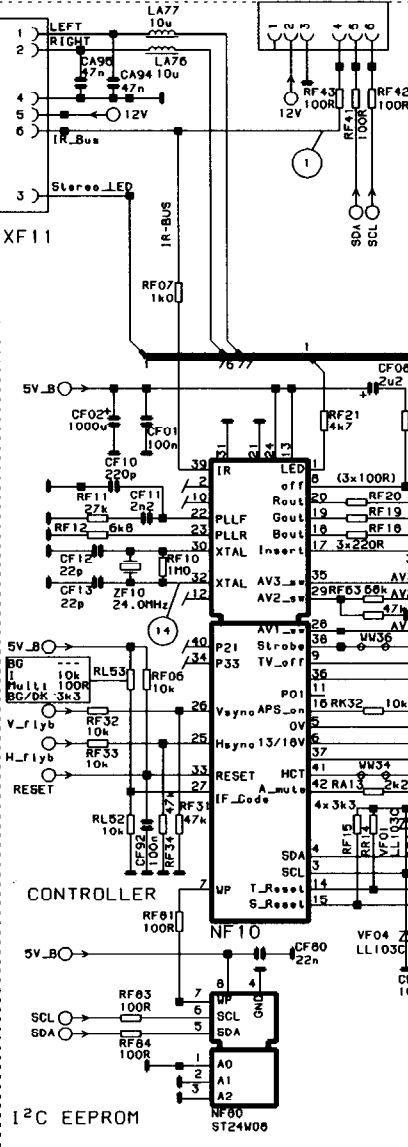


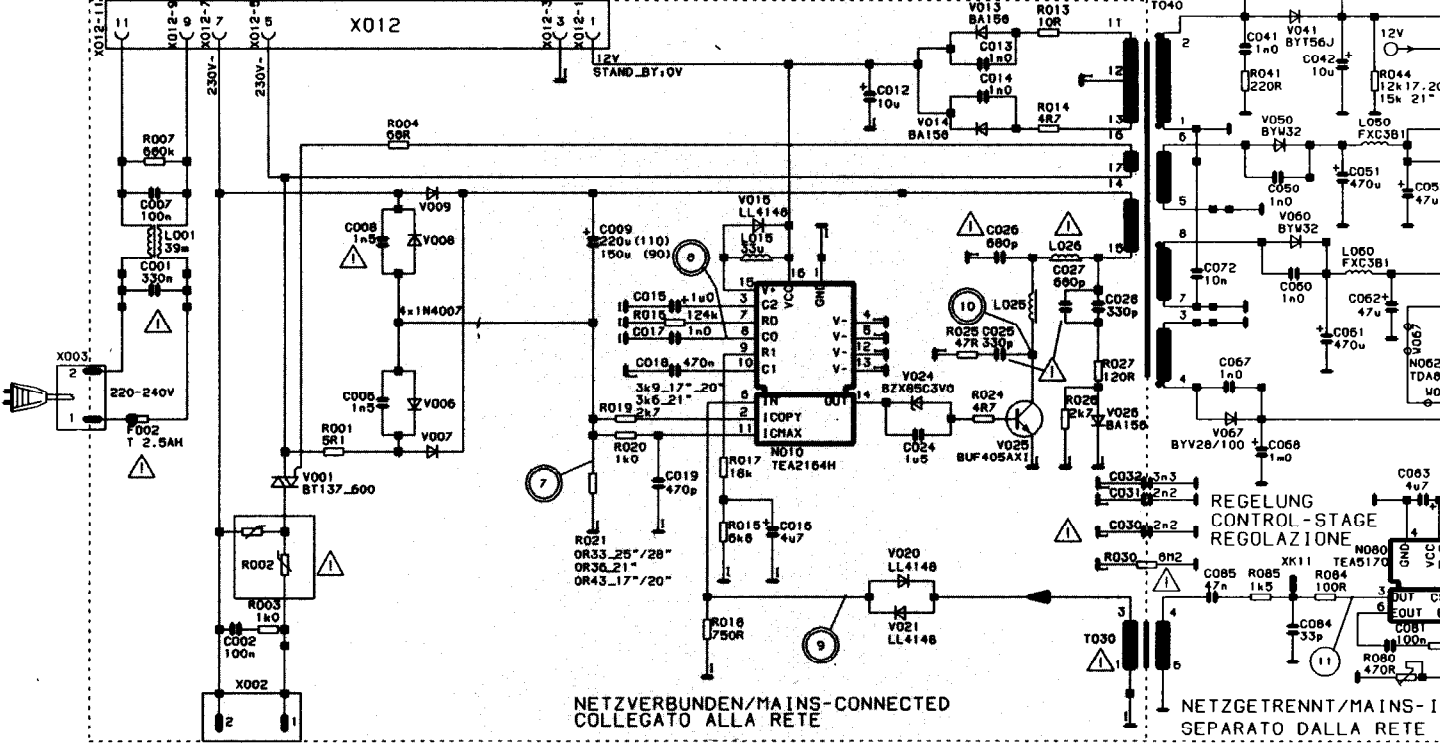
CONTROL-UNIT/UNITA COMANDO



SERVICE CONNECTOR



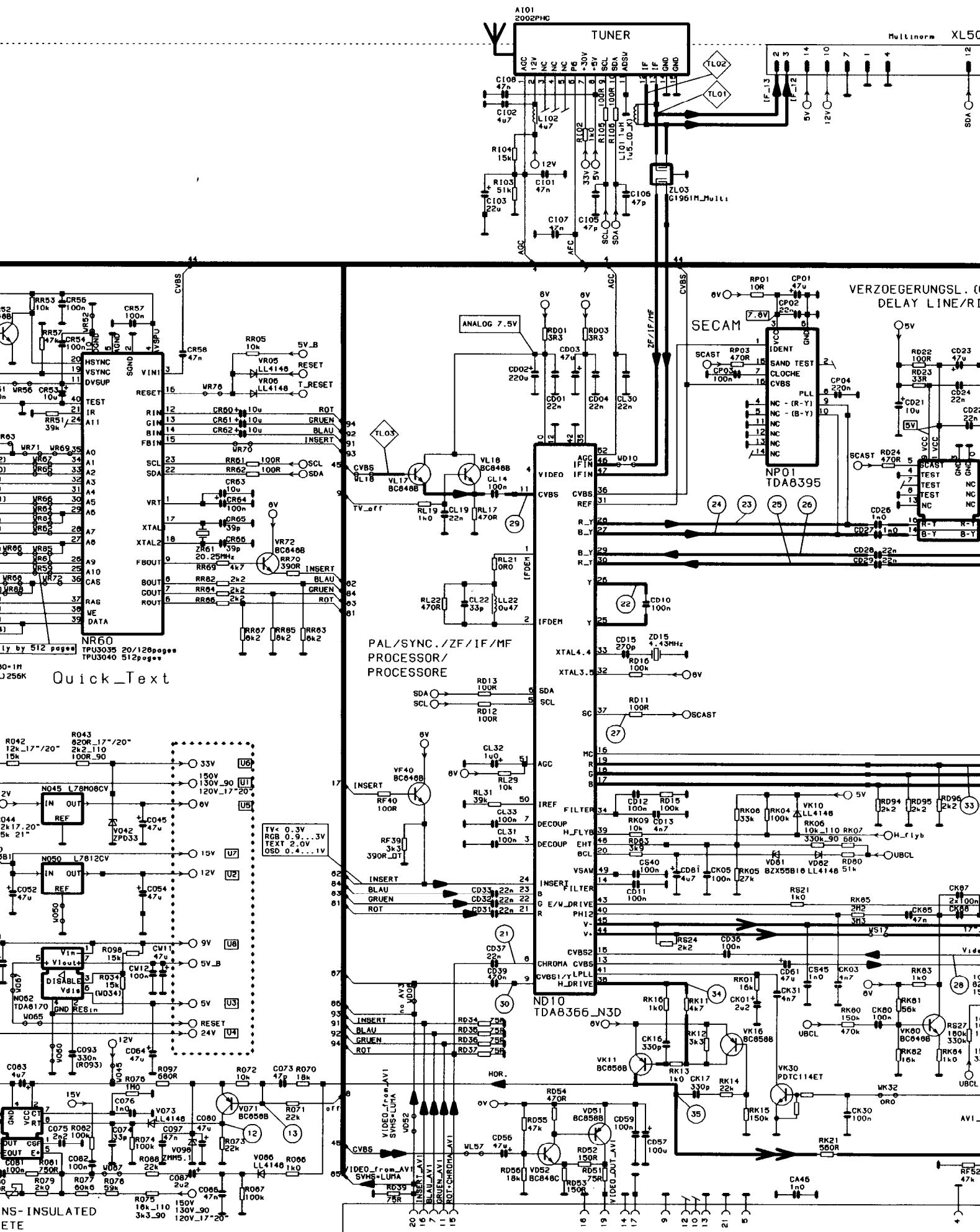
SCHALTNETZTEIL/SWITCH MODE/CIRCO. ALIMENTAZIONE



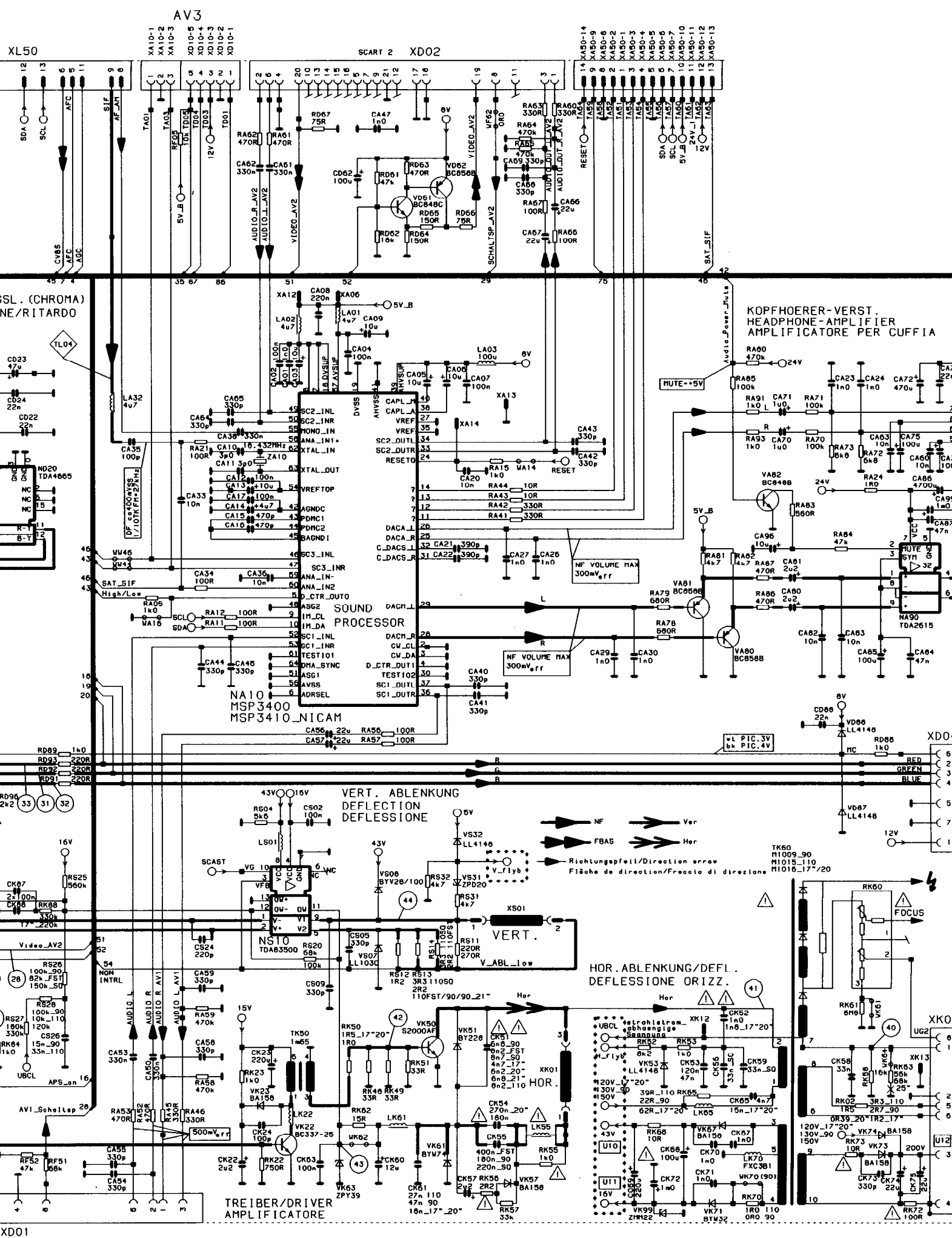
NETZVERBUNDEN/MAINS-CONNECTED COLLEGATO ALLA RETE

NETZGETRENNT/MAINS- IN SEPARATO DALLA RETE

○ Oszillogramm-Meßpunkt auf Masse an TEA 2164 G Pin 1 ect. bezogen./ Waveforms referenced to earth on TEA 2164 G pin 1 ect.
Tous les oscillogrammes se rapportent au la masse TEA 2164 G pin 1./ Riferire tutti gli oscillogrammi alla massa TEA 2164 G.
Pulser mätta mot TEA 2164G: jord, stift 1.



□ Messungen auf Schaltnetzteil-Minuspotential ▴ bezogen / Measurements referenced to switch-mode power supply minus potential ▴ /
 Toutes les mesures se rapportant au potentiel négatif du bloc-secteur de commutation ▴ / Riferire tutte le misure al potenziale negativo della sezione di rete ▴
 Mätta mot nätdelens minuspotential ▴



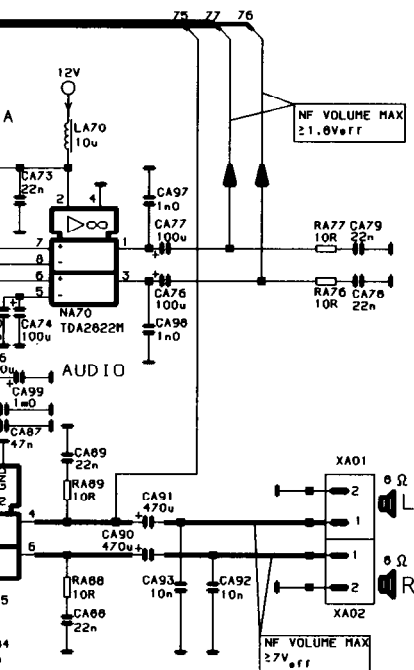
* Diese Bauteile können je nach Chassisversion bestückt/ nicht bestückt sein.
Depending on the chassis version, these components can either be fitted or not.
Suivant la version du chassis, ces composants sont montés/ pas montés.
La possibilità di montaggio di questi componenti dipende dalla versione dello chassis.
Dessa komponenters montering är beroende pa chassisversion.

Baugruppenkurzbezeichnungen/ Assembly group abbreviations/ Codifica dei moduli/ Désignations abrégées des sous-ensembles Blockförkortningar

D = Color decoder/ Decodificatore colore/ Färgdekoder
K = Hor. deflection/ Deflessione orizzontale/ Horizontal avlänkning
S = Vertical/ Verticale
I = HF/ AF
L = ZF/ IF/ MF
F = Control unit/ Unità di comando/ Kontrollenhet
A = Audio
O = Schaltnetzteil/ Power supply/ Circuito aliment. rete/ Nätdel
H = Bildröhrenanschluß/ C.R.T. board/ Colleg. cinescopio/ Bildrörsplattan
R = Videotext/ Teletext/ Televideo/ Text- TV

Variable components for picture tube.
Bildröhrenabhängige Bauteile.
Componenti che differiscono a seconda del tubo.

*POS	A59/66 EAF10X01	A59/66 ECY13X01
U1	150V	150V
CO09	220U	220U
CS26	33N	15N
CK51	8N7	8N2
CK52	1N5	1N5
CK53	120N	120N
CK55	400N	300N
CK56	33N	33N
CK61	27N	27N
CK65	4N7	4N7
LK55	227U	227U
LK61	490UH	490UH
LK65	82U	82U
RK02	3R3	1R2
RK06	10K	10K
RK50	1R0	1R0
RK58	16K	16K
RK63	56K	56K
RK65	39R	39R
RK70	1R0	1R0
RK80	150K	470K
RK85	3M3	2M2
RK88	100K	100K
RO19	2K7	2K7
RO21	0K36	0K36
RO42	15K	15K
RO43	2K2	2K2
RO44	-	-
RO75	18K	18K
Hotel	27K	27K
RO78	51K	51K
Hotel	59K	59K
RS11	300R	220R
RS12	300R	220R
RS13	3R0	4R7
RS14	3R0	4R7
RS20	68K	68K
RS25	560K	-
RS26	150K	330K
RS28	10K	100K
TK60	M1015	M1015
C.R.T. board		
RH20	2k2	2k2
RH30	2k2	2k2
RH40	2k2	2k2



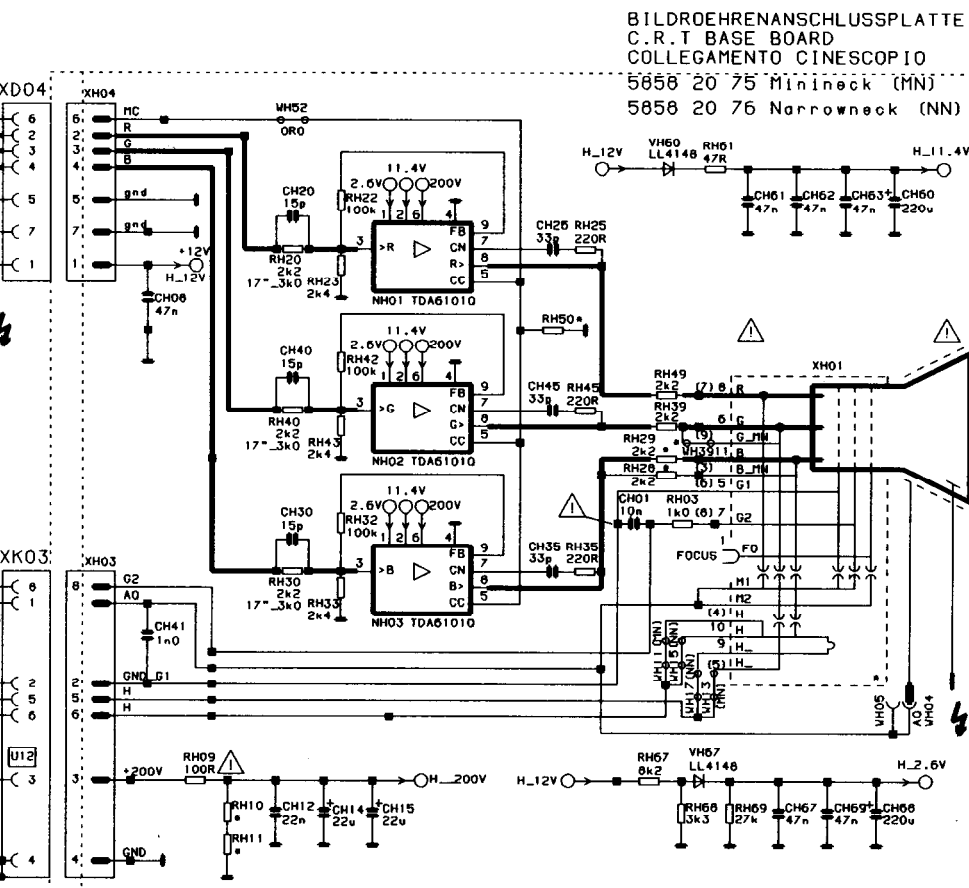
Achtung! Die Oszilloskopmasse muß in der Nähe der zu messenden Baugruppe angeschlossen werden.
Alle **Decoderoszillogramme** sind unter folgenden Bedingungen aufgenommen: Normfarbbalken PAL, max. Kontrast, ca. Nennhelligkeit u. nom. Sättigung.

N.B.! The oscilloscope frame must be connected near the module being measured.
The **decoder waveforms** are taken under following conditions: Standard PAL, contrast at maximum and brightness and colour saturation at nominale value.

Attention! La masse de l'oscilloscope doit être raccordée à proximité du module devant être mesuré.
Tous les **oscillogrammes mesurés sur le décodeur** sont pris sous les conditions suivantes: Norme de mire de barre PAL, contraste au maximum, luminosité et intensité couleur aux valeurs nominales.

Attenzione! La massa dell'oscilloscopio deve essere collegata vicino al componente da misurare.
Tutti gli **oscillogrammi decoder** sono stati fatti nelle seguenti condizioni: generatore di barre PAL, massimo contrasto, approssimativamente luminosità e saturazione normali.

Obs! Oskilloskopets maste jordas i närheten av modulen som man gör mätningar på. Dekoderpulser är mätta under följande förhållande: Standard PAL signal, kontrasten i maximum och ljus och färgmättnad i normalläge.



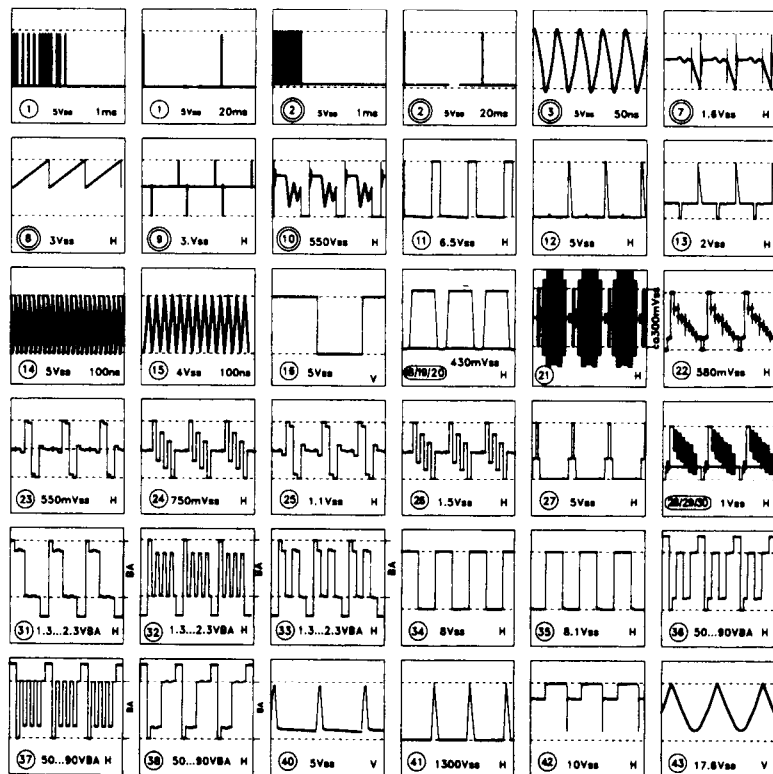
CHA
SP-S

Variable components for picture tube.

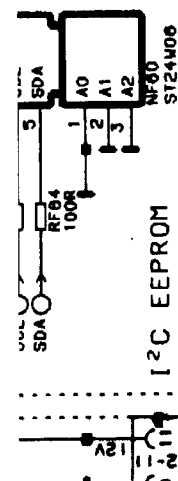
Bildröhrenabhängige Bauteile.

Componenti che differiscono a seconda del tipo di cinescopio.

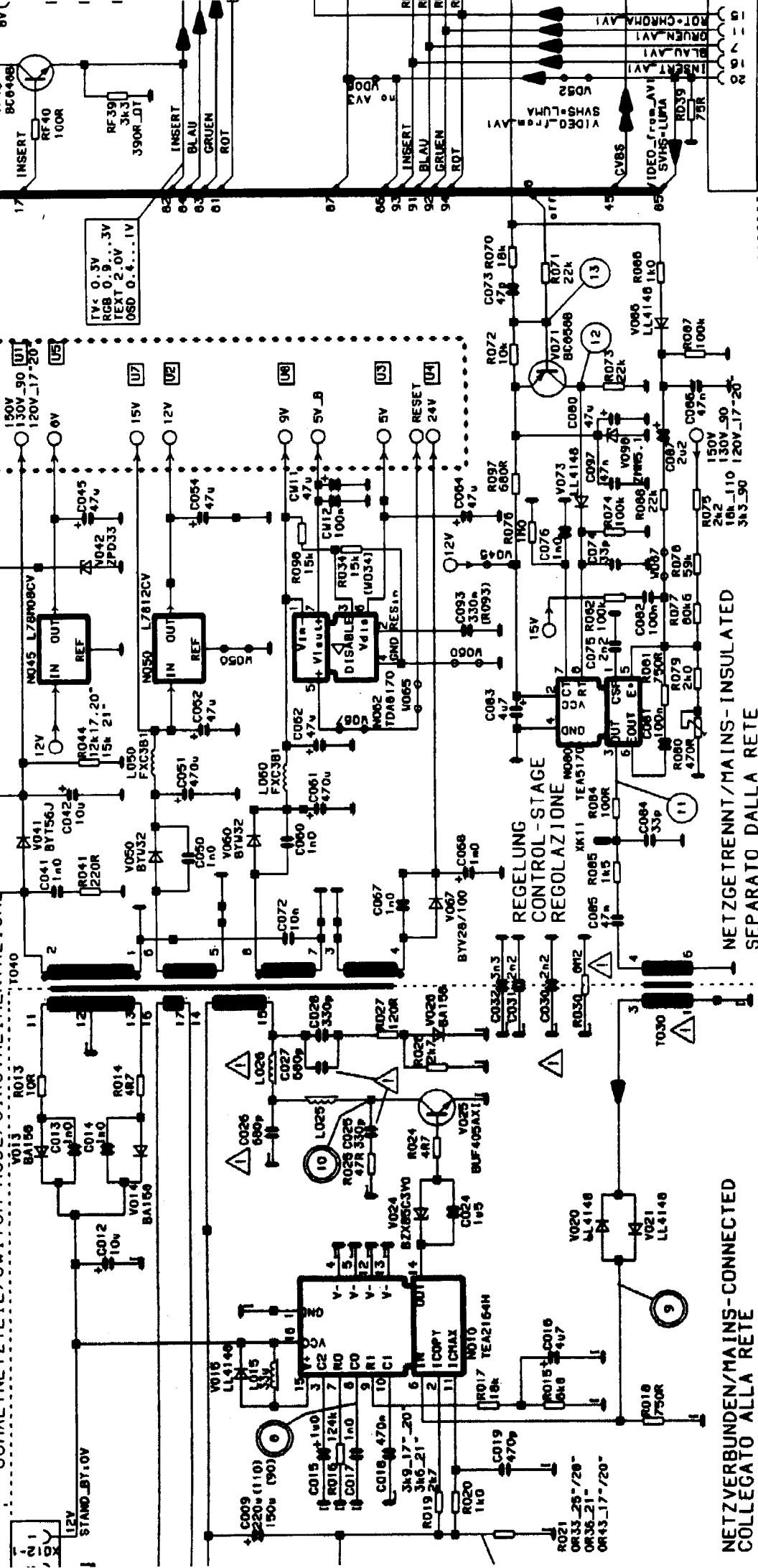
*POS	A59/66 EAF10X01	A59/66 ECY13X01	A59/66 EAS13X01	A59/66 ECF20X12	A51 ECQ10X01	A51 EFS43X191	A51 EBV13X01	A41 EAM40X01	A48 EEV13X01
U1	150V	150V	150V	150V	130V	130V	130V	120V	120V
CO09	220U	220U	220U	220U	150U	150U	150U	150U	150U
CS26	33N	15N	33N	33N	15N	15N	15N	15N	15N
CK51	8N7	8N2	8N7	8N7	6N8	6N2	5N6	4N7	6N2
CK52	1N5	1N5	1N5	1N5	1N5	1N5	1N5	2N2	2N2
CK53	120N	120N	120N	120N	120N	47N	120N	120N	120N
CK55	400N	300N	400N	360N	360N	360N	360N	360N	220N+270N
CK56	33N	33N	33N	33N	-	-	-	33N	33N
CK61	27N	27N	27N	27N	47N	47N	27N	18N	18N
CK65	4N7	4N7	4N7	4N7	4N7	4N7	4N7	15N	15N
LK55	227U	227U	227U	227U	227U	227U	227U	227U	227U
LK61	490UH	490UH	490UH	490UH	360UH	360UH	490UH	610UH	610UH
LK65	82U	82U	82U	82U	75U	75U	75U	25U	25U
RK02	3R3	1R2	3R3	3R3	2R7	1R2	1R2	1R2	R39
RK06	10K	10K	10K	10K	330K	330K	330K	330K	330K
RK60	1R0	1R0	1R0	1R0	1R0	1R0	1R0	1R5	1R5
RK58	16K	16K	16K	16K	16K	16K	16K	20K	16K
RK63	56K	56K	56K	56K	-	-	-	-	-
RK65	39R	39R	39R	39R	22R	22R	22R	62R	62R
RK70	1R0	1R0	1R0	1R0	1R0	1R0	0R0	0R0	0R0
RK80	150K	470K	150K	150K	150K	150K	150K	150K	150K
RK85	3M3	2M2	3M3	2M2	3M3	3M3	3M3	3M3	3M3
RK88	100K	100K	220K	100K	100K	100K	100K	220K	100K
RO19	2K7	2K7	2K7	2K7	3K6	3K6	3K6	3K9	3K9
RO21	0K36	0K36	0K36	0K36	0K43	0K43	0K43	0K47	0K47
RO42	15K	15K	15K	15K	15K	15K	15K	12K	12K
RO43	2K2	2K2	2K2	2K2	100K	100K	100K	820K	820K
RO44	-	-	-	-	15K	15K	15K	12K	12K
RO75	18K	18K	18K	18K	3K3	3K3	3K3	-	-
Hotel	27K	27K	27K	-	12K	12K	12K	2K2	2K2
RO78	51K	51K	51K	51K	51K	51K	51K	51K	51K
Hotel	59K	59K	59K	-	59K	59K	59K	59K	59K
RS11	300R	220R	300R	220R	220R	220R	220R	220R	220R
RS12	300R	220R	270R	220R	220R	220R	220R	220R	220R
RS13	3R0	4R7	3R0	2R0	2R0	3R3	10R	-	-
RS14	3R0	4R7	3R0	2R0	-	-	-	-	-
RS20	68K	68K	100K	68K	68K	68K	68K	68K	68K
RS25	560K	-	560K	560K	560K	560K	560K	560K	560K
RS26	150K	330K	150K	82K	100K	100K	100K	100K	100K
RS28	10K	100K	10K	10K	10K	100K	100K	100K	100K
TK60	M1015	M1015	M1015	M1015	M1009	M1009	M1009	M1016	M1016
C.R.T. board									
RH20	2k2	2k2	2k2	2k2	2k2	2k2	2k2	3k0	2k2
RH30	2k2	2k2	2k2	2k2	2k2	2k2	2k2	3k0	2k2
RH40	2k2	2k2	2k2	2k2	2k2	2k2	2k2	3k0	2k2



CHASSIS SP-SERIE MULTINORM



SCHALTNETZTEIL/SWITCH MODE/CIRC. ALIMENTAZIONE



ramm-Meßpunkt auf Masse an TEA 2164 G Pin 1 ect. bezogen / Waveforms referenced to earth on TEA 2164 G pin 1 ect.
 illogrammes se rapportant au la masse TEA 2164 G pin 1 / Riferire tutti gli oscillogrammi alla massa TEA 2164 G.
 ta mot TEA 2164G: jord, stift 1.

Messungen auf Schaltenteil-Minuspotential „I“ bezogen / Measu
 Toutes les mesures se rapportant au potentiel négatif du bloc-secteu
 Mätta mot nådelers minuspotential „I“