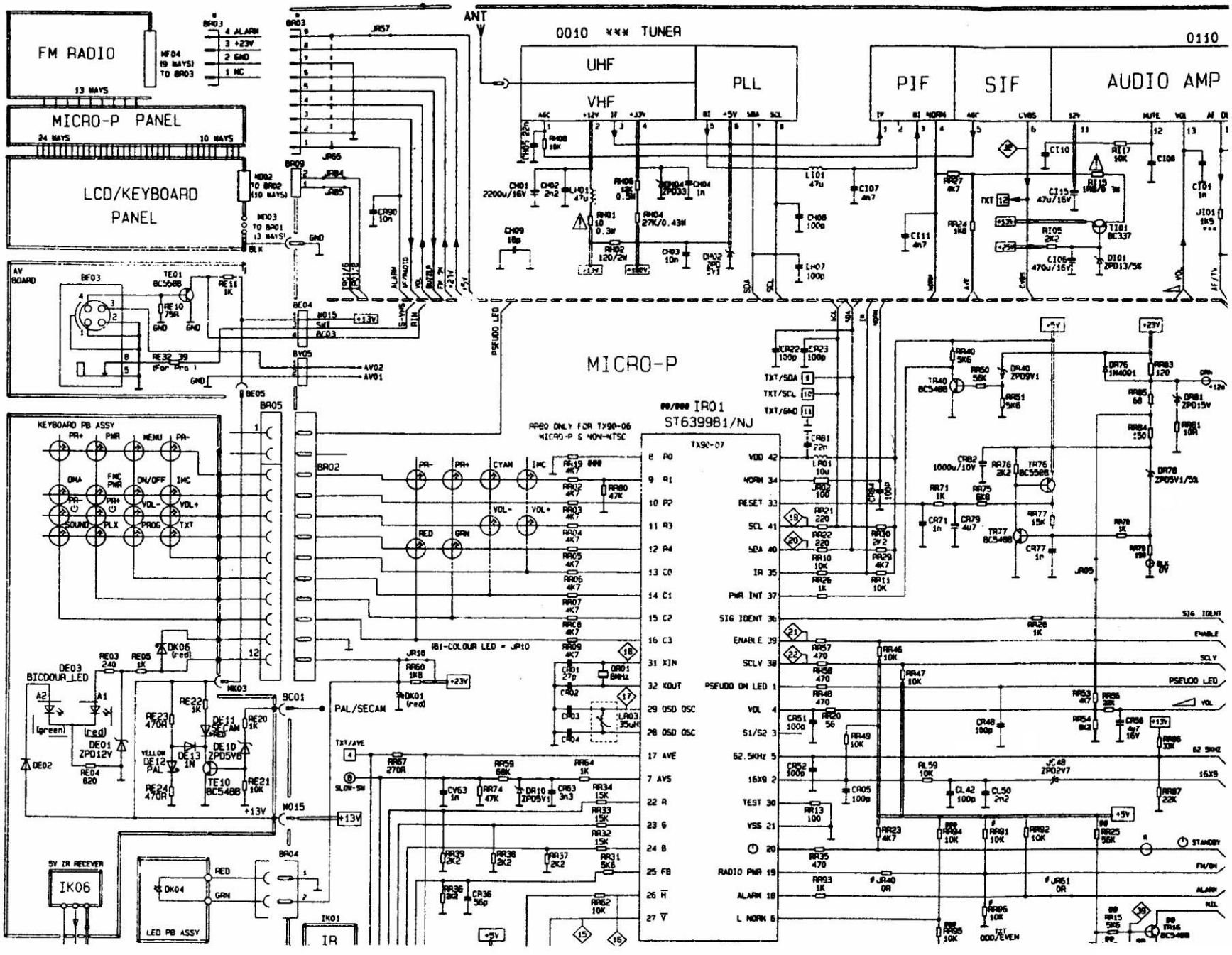
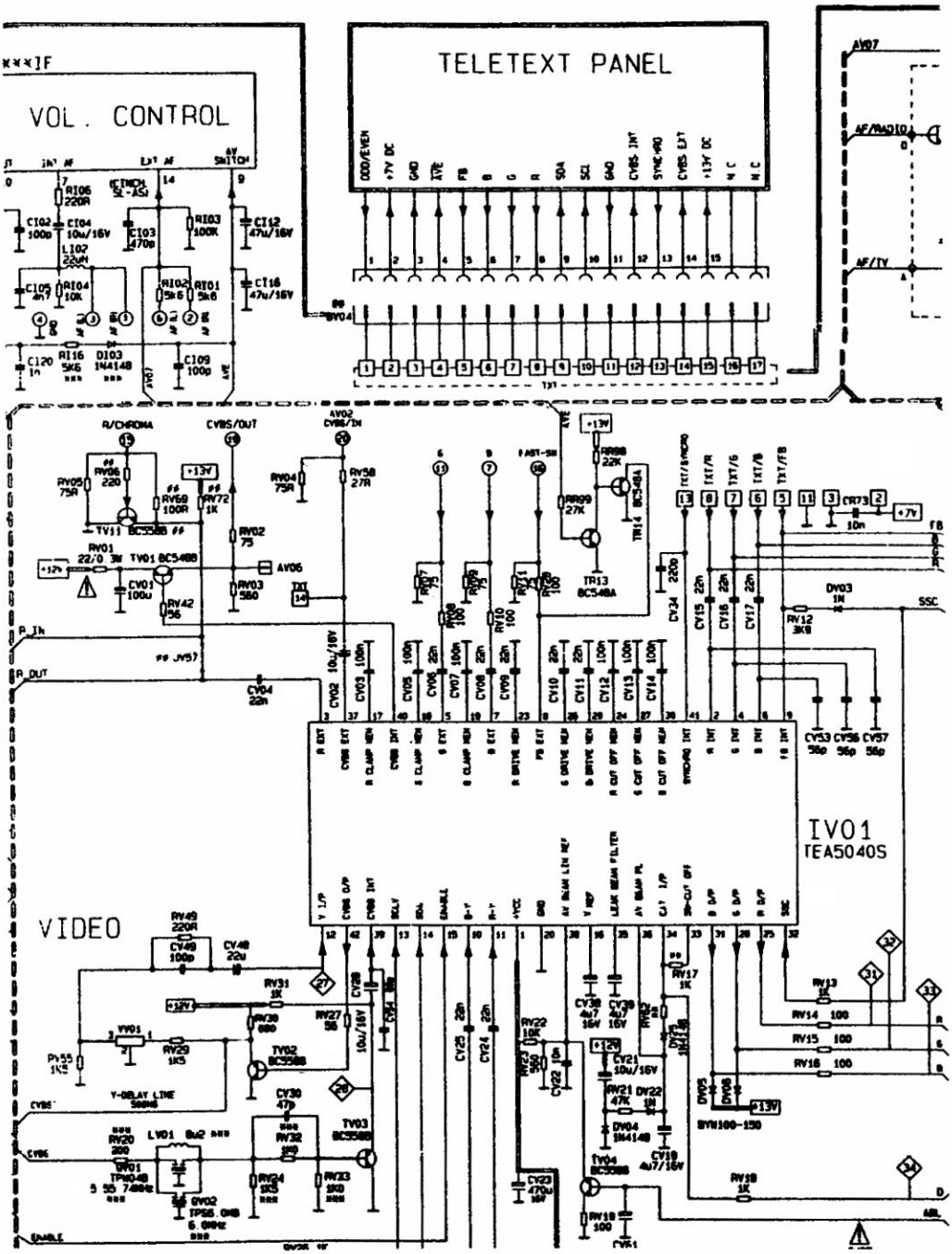

FM RADIO
13 WAYS
MICRO-P PANEL
24 WAYS
10 WAYS
LCD/KEYBOARD PANEL
AV BOARD
KEYBOARD PB ASSY
PR+
PWR
MENU
PR-
DMA
FMC PWR
ON/OFF
IMC
PR-
PR+
VOL-
VOL+
SOUND
PLX
PROG
TXT
5V IR RECEIVER
IK06
LED PB ASSY
IR
ANT
0010 *** TUNER
UHF
VHF
PLL
0110
PIF
SIF
AUDIO AMP
MICRO-P
IR01
ST6399B1/NJ
TX90-07
PAL/SECAM
BI-COLOUR LED = JP10
PSEUDO LED
+5V
+13V
+23V
STANDBY
ALARM
MUTE


TELETEXT PANEL
VOL. CONTROL
IF
AV SWITCH
R/CHROMA
CVBS/OUT
CVBS/IN
IV01
TEA5040S
VIDEO
Y-DELAY LINE
+13V
+12V
+7V
SSC
ENABLE

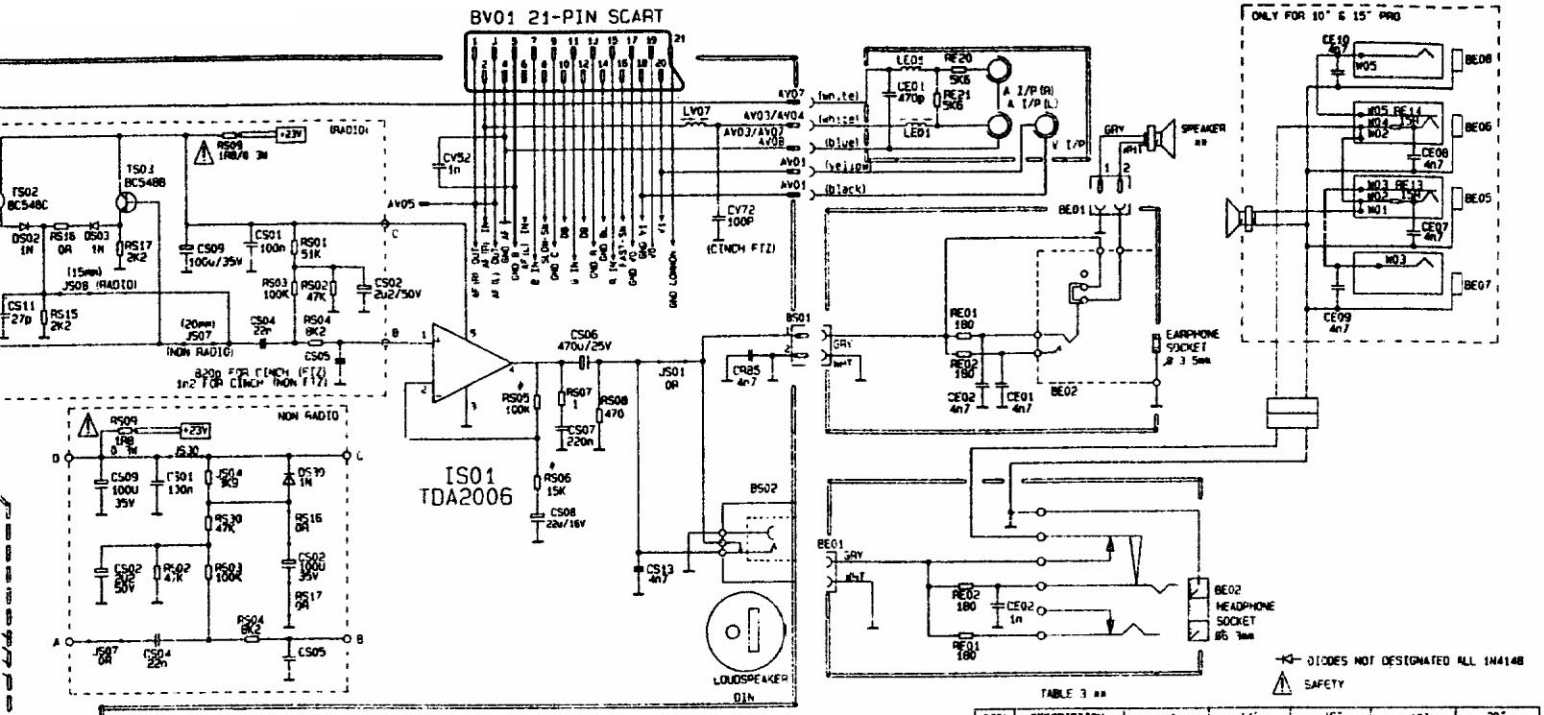
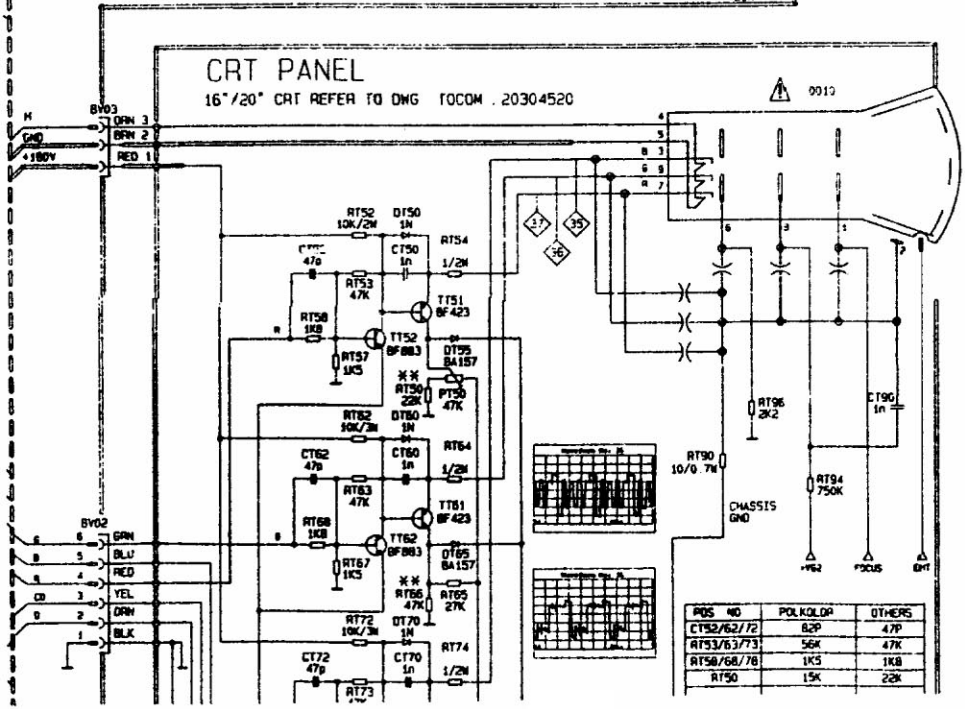
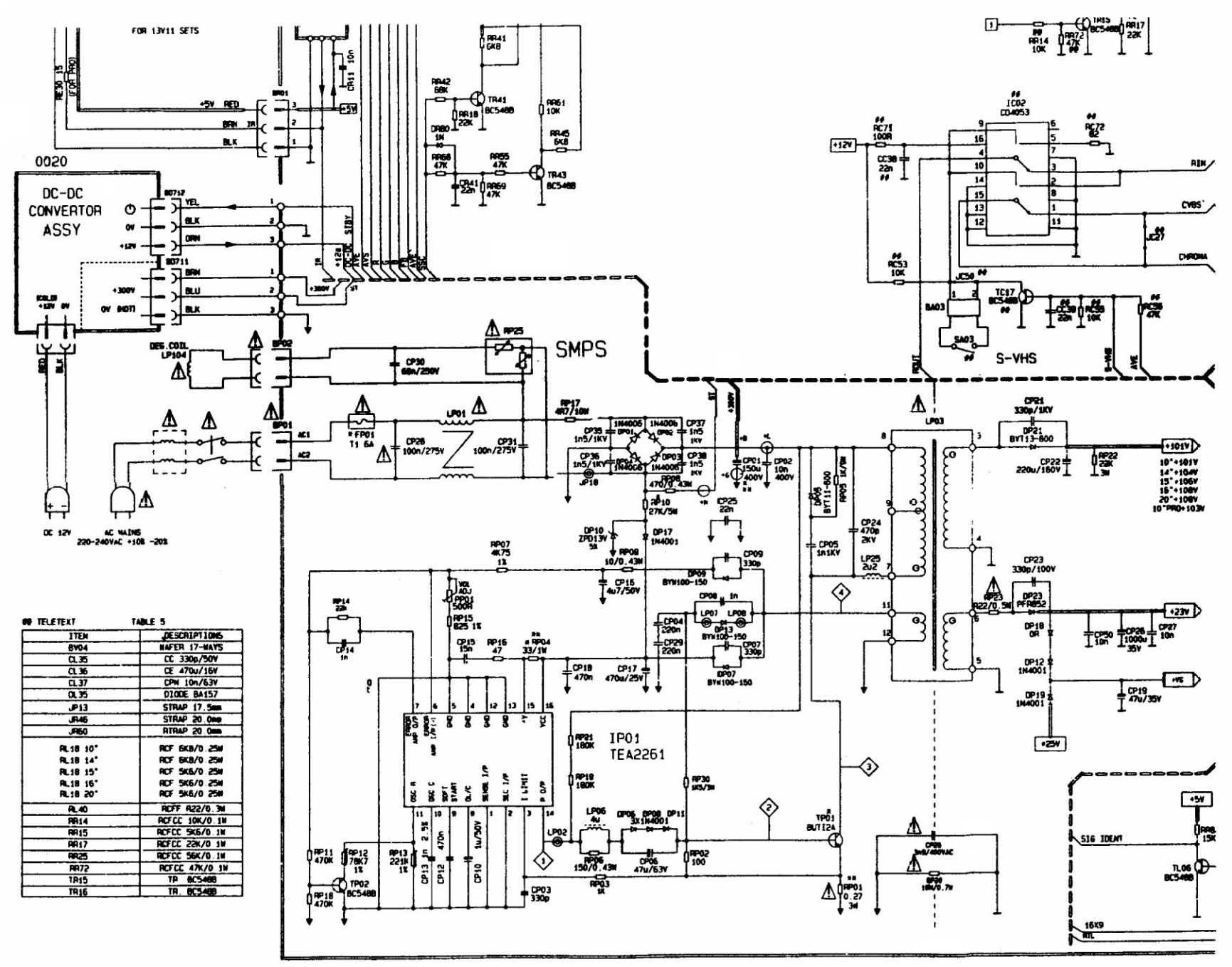


TABLE 3 ##

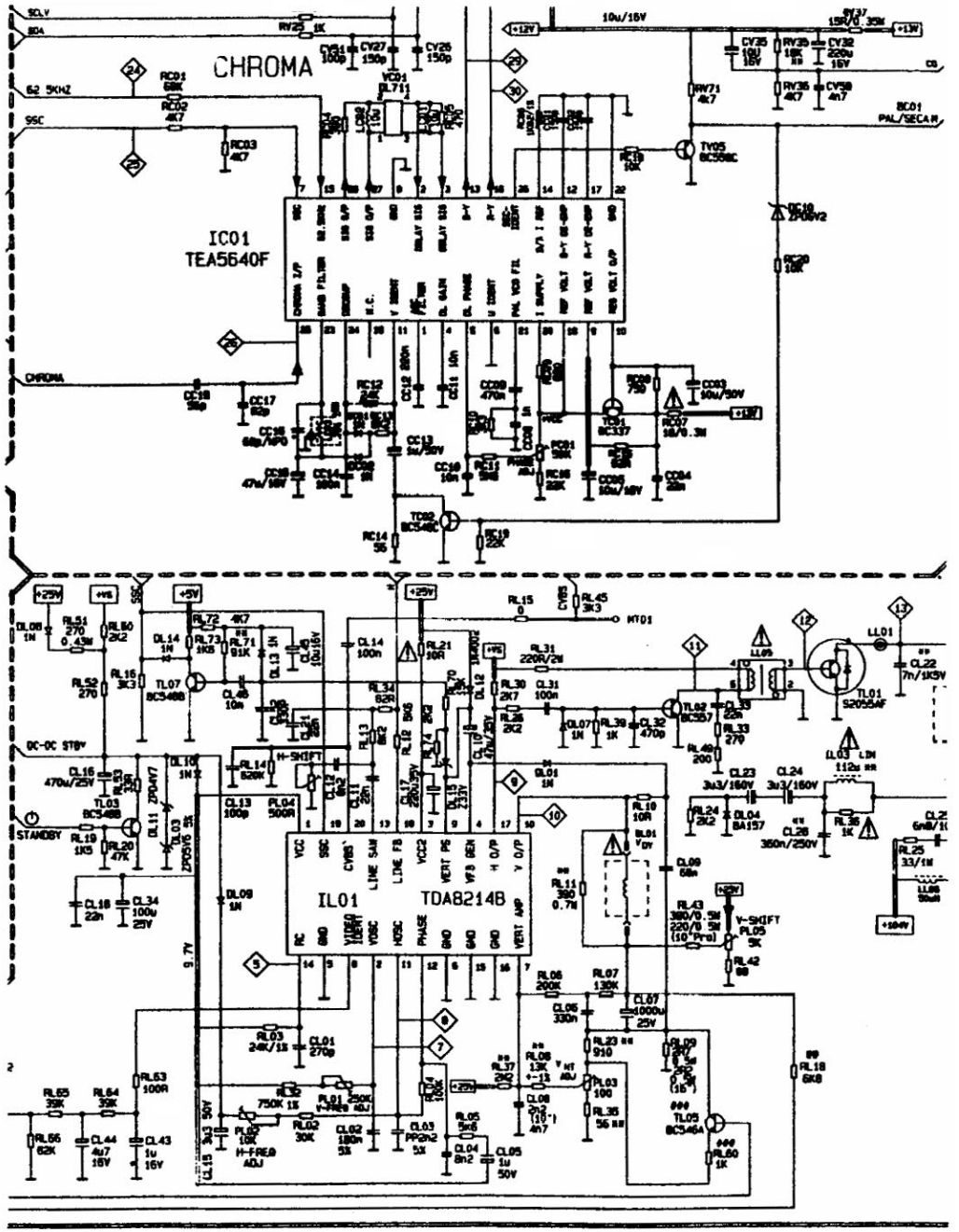
ITEM	DESCRIPTION	10"	14"	15"	16"	20"
CL22	HORI. RETRACE CAPACITOR	7n/1K6V (T) 6n8/1K6V (S)	6n5/1.6Kv	7n/1.5KV	8n4/1.6KV	8n2/1.6KV
CL26	HORI. LINEARITY CAPACITOR	360n/250V	360n/250V	360n/250V	470n/250V	470n/250V
DV24	VIDEO REF ZENER	ZPD5V6	ZPD6V2	ZPD6V2	ZPD6V2	ZPD6V2
LL03	HORI. LINEARITY COIL	112uH	90uH	112uH	58uH	58uH
RL08	DC BIAS OF VERT O/P RES	+-1% 13K/0 1W	+-1% 13K/0 1W	+-1% 13K/0 1W	+-1% 13K/0 1W	+-1% 12 1K/0 1W
RL11	VERTICAL DAMPER RESISTOR	390/0 7W	390/0 7W	390/0 7W	390/0 7W	390/0.7W
RL27	HEATER RESISTOR	0 56/0 5W	0 5/0 5W	1R/0 5W	0 56/0 5W	0 56/0 5W
RL23	VERT AMPLITUDE RESISTOR	820 (PRO) 750 (NOR)	820	910	910	820
RL35	VERT AMPLITUDE RESISTOR	91	91	56	100	75
RL37	DC BIAS OF VERT OUTPUT RESISTOR	2K2	2K2	2K2	2K7	2K2
RL71	VERT.BLANKING RESISTOR	91K	82K	75K	75K	75K
RP01	SMPS I SENSING RESISTOR	R27/3W	R27/3W	R27/3W	R27/3W	R22/3W
RV17	CATHODE CURRENT RESISTOR	1K2 PRO 2K7	1K0	1K0	820	750
RV23	AVERAGE I-BEAM RESISTOR	560	470	560	560	680
RV35	AV BEAM RESISTOR	18K	18K	18K	18K	15K
RV60	ABL DIVIDER RESISTOR	3K0 PRO 2K2	1K	1K	1K	1K
RV62	AV BEAM RESISTOR	0R	0R	0R	1K8	1K8
RT50	WHITE-BALANCE RESISTOR	22K 15K (PLIG)	22K	22K	47K	33K
RT66	WHITE-BALANCE RESISTOR	68K	47K	47K	82K	82K
RT70	CRT PANEL WHITE-BALANCE	47K	47K	47K	68K/0 25W	47K/0 25W



POS NO	POLKOLOR	OTHERS
CT52/62/72	82P	47P
RT53/63/73	56K	47K
RT58/68/78	1K5	1K8
RT50	15K	22K



## TELETEXT	TABLE 5
ITEM	DESCRIPTIONS
BW04	WAFER 17-WAYS
CL35	CC 330p/50V
CL36	CE 470u/16V
CL37	CPN 10n/63V
DL35	DIODE BA157
JP13	STRAP 17.5mm
JR46	STRAP 20.0mm
JR60	RTRAP 20.0mm
RL18 10"	RCF 6K8/0.25W
RL18 14"	RCF 6K8/0.25W
RL18 15"	RCF 5K6/0.25W
RL18 16"	RCF 5K6/0.25W
RL18 20"	RCF 5K6/0.25W
RL40	RCFF R22/0.3W
RR14	RCFCC 10K/0.1W
RR15	RCFCC 5K6/0.1W
RR17	RCFCC 22K/0.1W
RR25	RCFCC 56K/0.1W
RR72	RCFCC 47K/0.1W
TR15	TR BC548B
TR16	TR BC548B


CHROMA
IC01
TEA5640F
IL01
TDA8214B
SCL
SDA
62.5KHZ
SSC
CHROMA
STANDBY
DC-DC STBY
+12V
+13V
+25V
+8V
+5V
+10V
PAL/SECAM
V-SHIFT
H-SHIFT
H-FREQ ADJ
V-FREQ ADJ

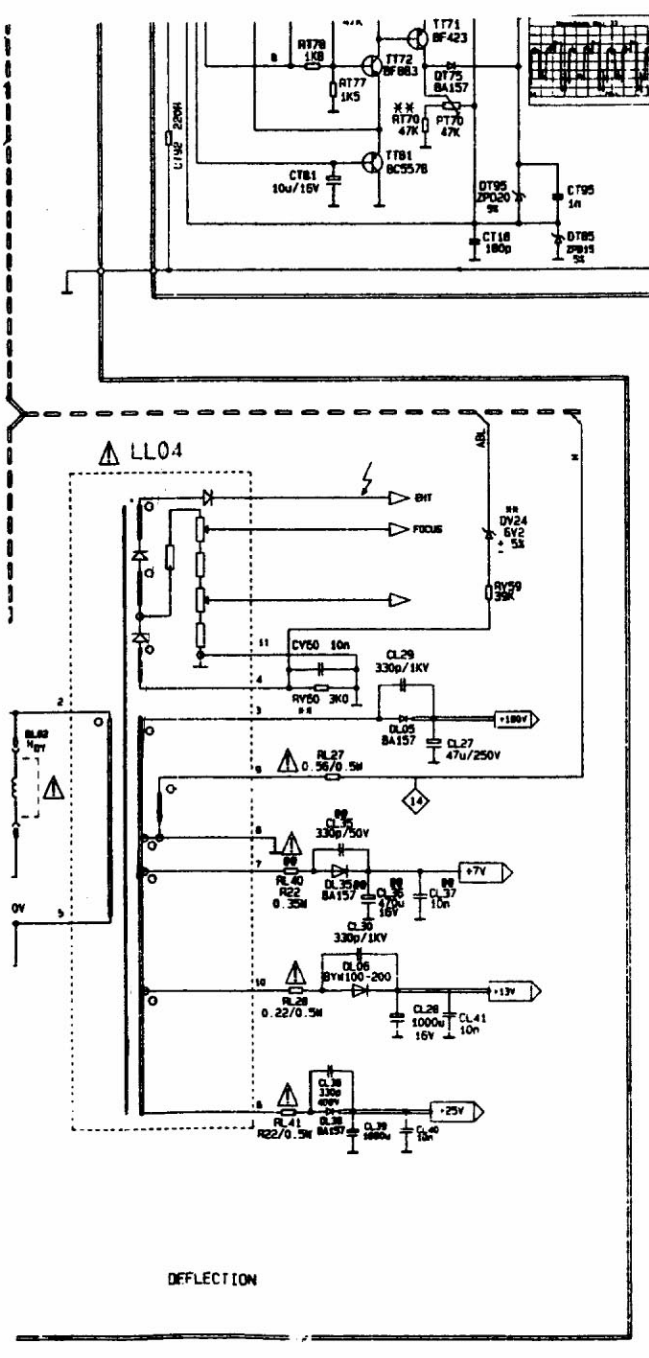


TABLE 2

* SMPS		
ITEM	176-264VAC	90-264VAC
RP10	27K/5W	10K/5W
RP04	33/1W	27/1W
TP01	BUT12A	BUH314TH
LP03	SMV42-20	SMV42-18
LP01	ELF-150650HJ	ELF-18D665IH
FP01	T1.6A	T2.5A

0010	SPEAKER	16/2W	16/2W/3W	16/3W	16/3W	8/4W

TABLE 6

	RS05					RS06					RR20
	10"	14"	15"	15"	20"	10"	14"	15"	16"	20"	ALL
PAL/SECAM 2108TX	82K	100K	91K	100K	100K	11K	9K1	10K	10K	10K	56
PAL/SECAM 2149	100K	100K	56K	68K	75K	24K	11K	12K	11K	15K	56
PAL/SECAM 2248	82K	100K	56K	68K	68K	13K	11K	11K	10K	12K	56
PAL BG 2200G	91K	100K	82K	100K	91K	15K	10K	11K	10K	12K	56
PAL I 2205G	82K	100K	82K	100K	91K	13K	9K1	11K	10K	12K	56

TABLE 4 ***

COLOUR	PAL/SECAM	PAL/SECAM	PAL/SECAM	PAL/SECAM	SECAM	PAL		PAL	PAL
TV	BGHILL BGILL	BGLDKK	BGDKK	BG	LL	BG		I	I
TUNER	4015	4015	4015	4015	2007	4015		4011	4015
TUNER	HYPERBAND	HYPERBAND	HYPERBAND	HYPERBAND	-	HYPERBAND		-	-
IF-MODULE	2108TX	2149	2248	2200G	2130TX	2200G		2205G	2205G
LV01	0.2uH	0.2uH	0.2uH	10uH	10uH	10uH		10uH	10uH
QV01	TP8048 5.5/5.74MHz	TP8048 5.5/5.74MHz	TP8048 5.5/5.74MHz	TH8048 5.5/5.74	TP56.5MB 6.5MHz	TP8048 5.5/5.74MHz		-	-
QV02	TP56.0MB 6.0MHz	TP56.5MB 6.5MHz	TP56.5MB 6.5MHz	-	-	-		TP56.0MB 6.0MHz	TP56.0MB 6.0MHz
RV20	200	200	200	200	560	220		560	560
RV24	1K5	1K2	1K8	1K5	2K2	1K5		-	-
RV32	1K2	1K2	1K2	750	1K	750		560	560
RR20	56	56	56	56	-	56		56	56
RS05	0	0	0	0	-	0		0	0
RS06	0	0	0	0	-	0		0	0
RR94	-	-	-	-	10K	-		-	-
DI01	1K5	OR							
RI16	5K6	-							
DI03	1N4148	-							

*** 16 X 9 TABLE B

POS NO	16 X 9		NO 16 X 9	
JC48	DIODE ZPD 2V7	44026102	-	
RL60	RCFCCMIN 1K0	10327800	-	
TL05	TR BC546A	45039256	-	
CL50	CCCCMIN 2n2	50220900	-	
CL42	CCCCMIN 100p	90297100	-	
JL60	RCFCC 0R	90541136	-	
JL67	STRAP 20mm	67057401	-	
JL63	STRAP 7.5mm	67056901	-	
RL59	RCFCCMIN 22K	60080300	-	
JL59	RCFCC 0R	90541136	-	
RR49	RCF 10K	41001602	RCF 10K	41001602
CR05	CCDMIN 1n	10311300	CCDMIN 1n	10311300

BBB TABLE 1

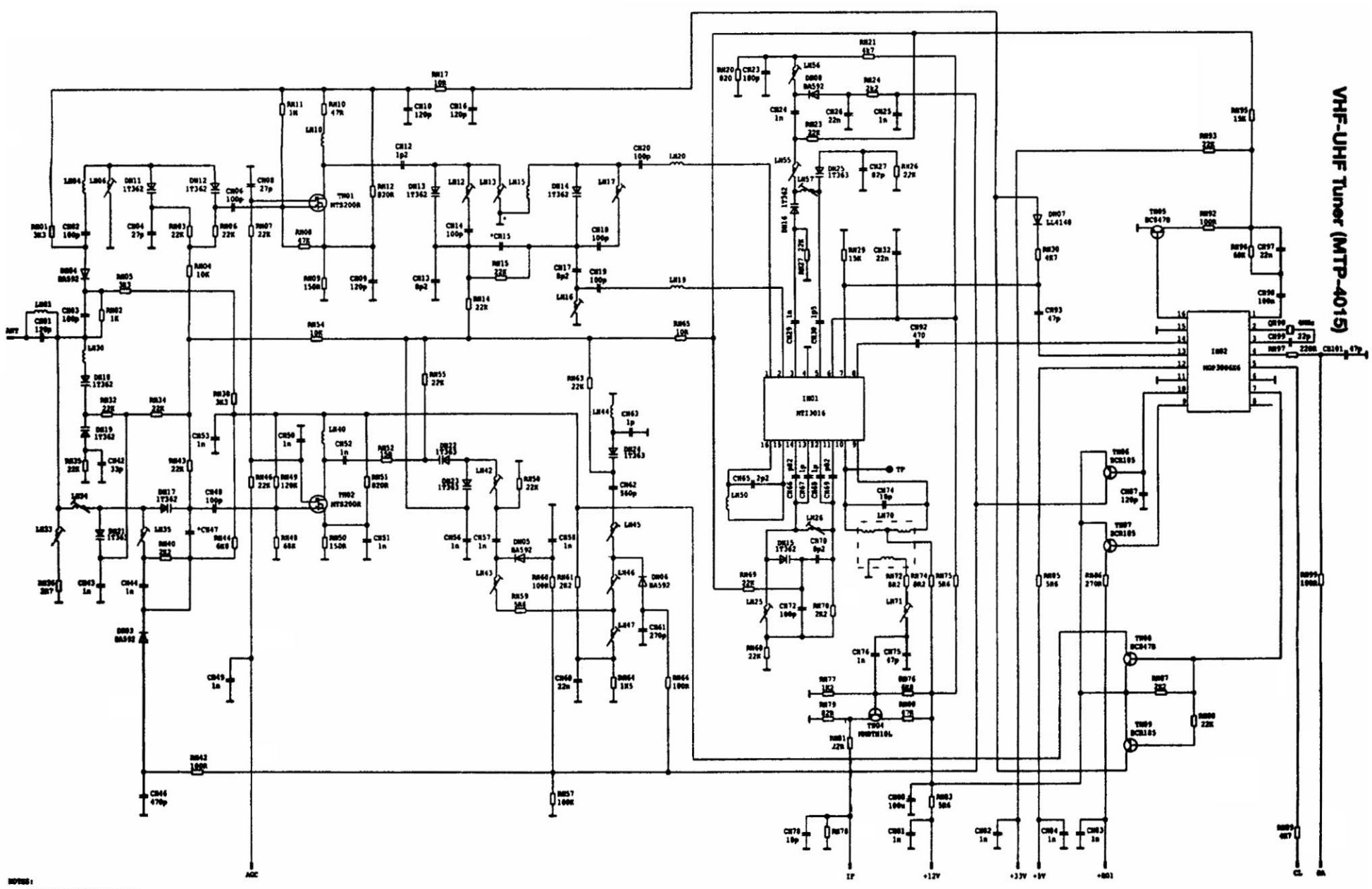
POS NO	MSTD			SECAM LL'
IR01	DB(Hotel)	0B	07	07
RR19	-	100R	-	-
RR94	-	-	-	10K
RR95	-	100R	10K	-

TABLE 9

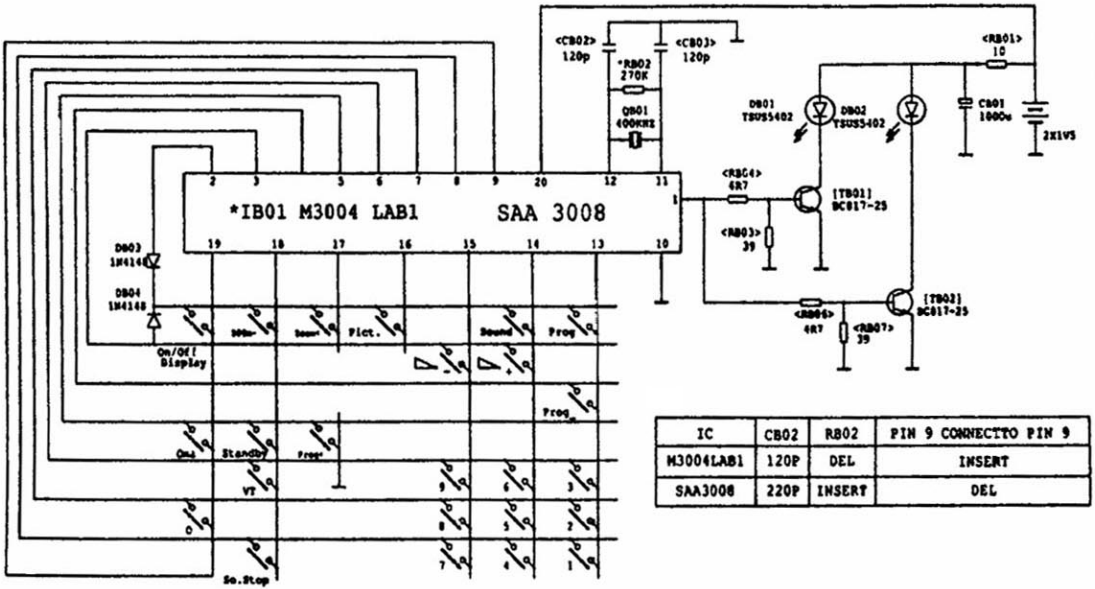
POS NO	NO CLOCK	RADIO CLOCK	SIMPLE CLOCK
RR91	-	10K	-
RR96	-	-	10K
JR40	-	0R	0R
JR61	-	0R	0R

TABLE 7

POS NO	W/O S-VHS	S-VHS VIA SCART	S-VHS SOCKET	TOCOM
CC38	-	CCCC 22n	CCCC 22n	50107900
CC39	-	CC 22n	CC 22n	43133972
IC02	-	HCF 4053	HCF 4053	46006700
JC23	-	STRAP 15mm	-	67057001
JC24	-	STRAP 15mm	STRAP 15mm	67057001
JC25	-	STRAP 15mm	-	67057001
JV50	-	STRAP 10mm	STRAP 10mm	67056601
JV52	-	STRAP 20mm	-	67057401
JV54	-	STRAP 20mm	-	67057401
JV55	-	STRAP 10mm	-	67056601
JV59	-	RCFCC 0R	RCFCC 0R	90541136
RC53	-	RCF 10K	RCF 10K	41001602
RC55	-	RCFCC 10K	RCFCC 10K	20110300
RC56	-	RCF 47K	RCF 47K	41001902
RC71	-	RCF 100R	RCF 100R	41002802
RC72	-	RCFCC 82R	-	70103500
RV72	-	RCF 1K	-	10327800
TC17	-	TRBC548B	TRBC548B	45002156
TV11	-	TRBC558B	-	45002658
JC27	RCFCC 0R	-	-	90541136
JV57	RCFCC 0R	-	RCFCC 0R	90541136
RV69	RCF 100R	-	RCF 100R	41002820
RV06	-	RCFCC 220R	-	80077900
JC50	-	-	RCFCC 0R	90541136
OTHER	-	TX90 SWITCH BD	CONTROL BD WITH S-VHS SOCKET	20110190


VHF-UHF Tuner (MTP-4015)
NOTES:
ALL RESISTANCES ARE IN OHM.
AGC
IF
+12V
+33V
+8V
+8D1
CL
DA

Remote Control



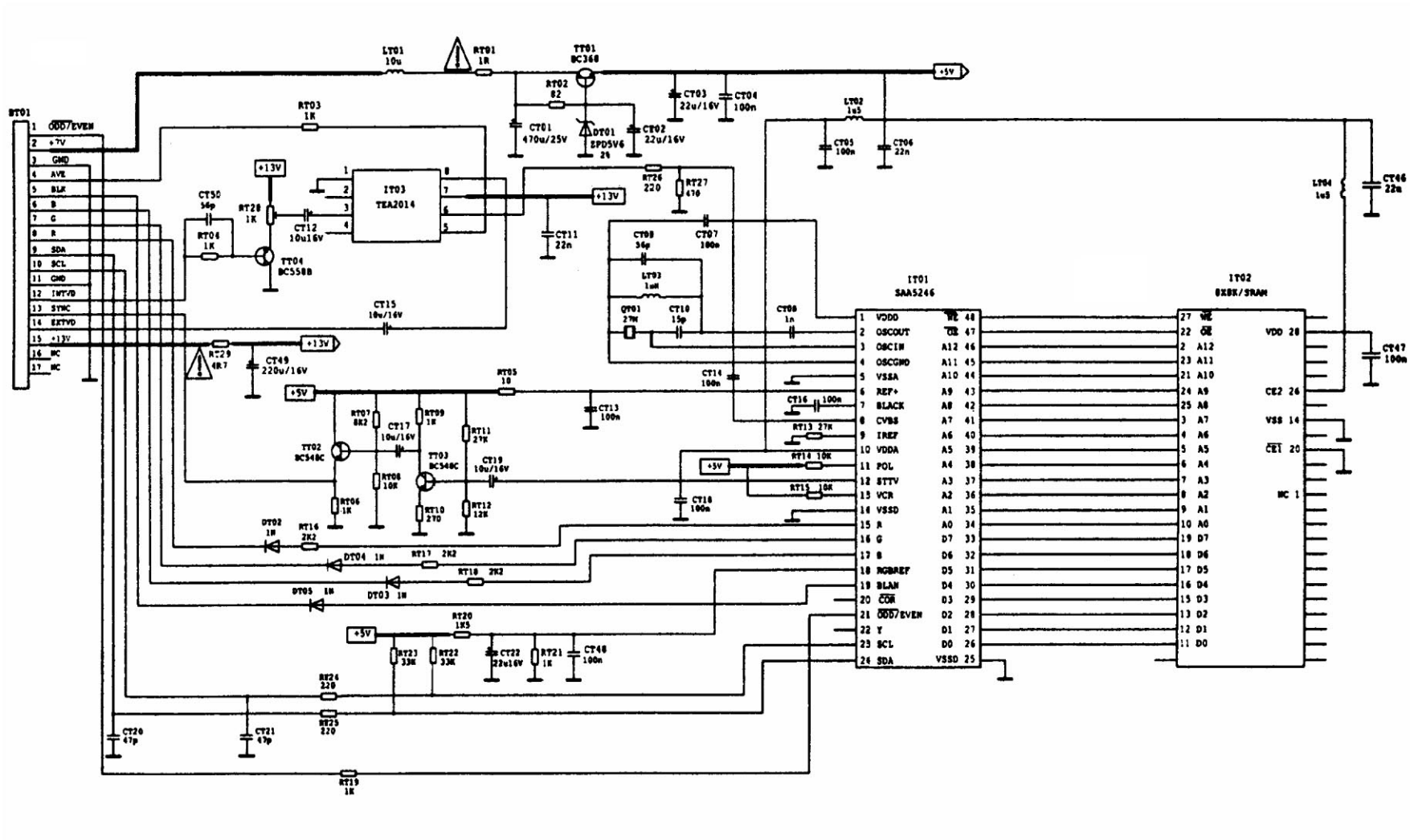
IC	CB02	RB02	PIN 9 CONNECTTO PIN 9
M3004LAB1	120P	DEL	INSERT
SAA3008	220P	INSERT	DEL

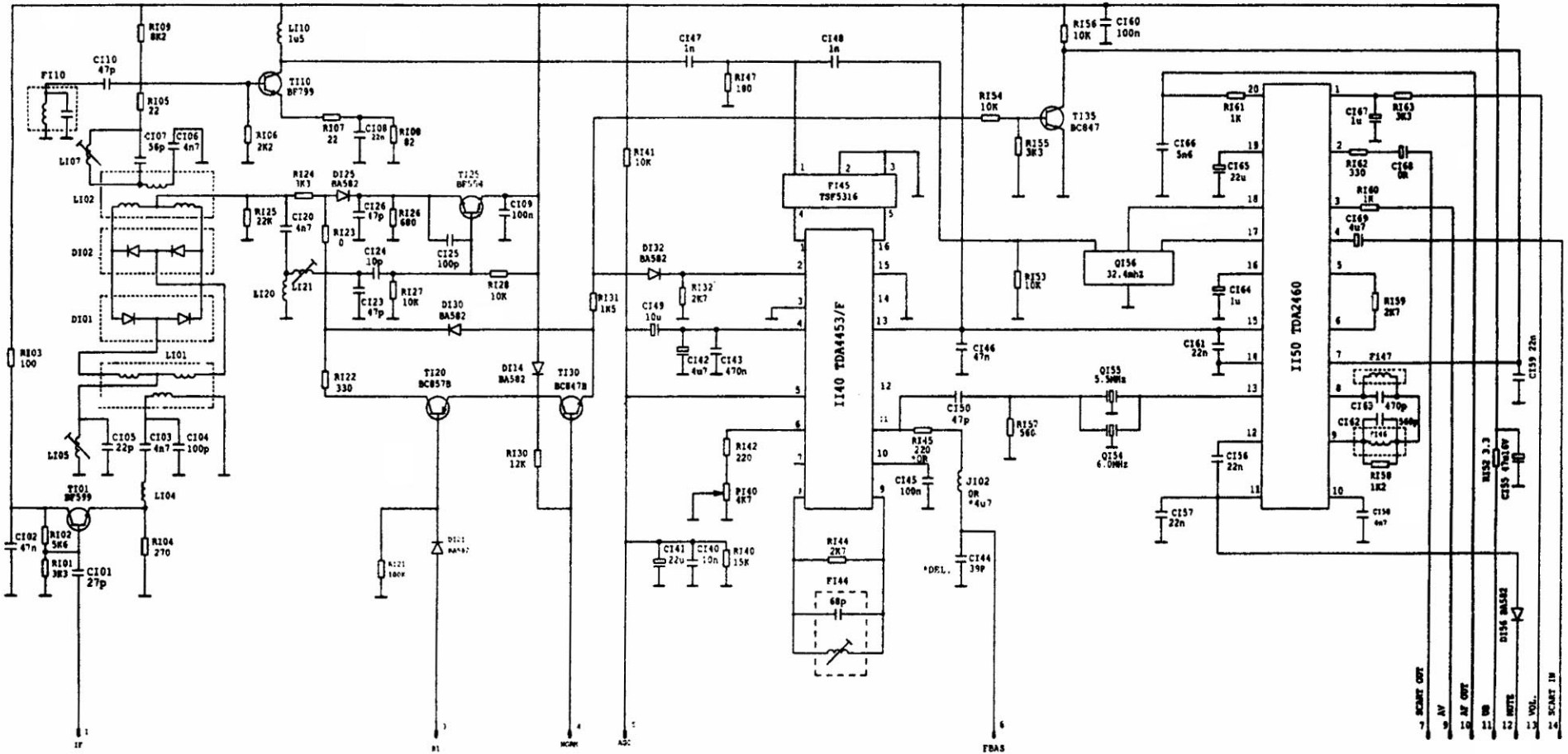
NOTES:

1:< > Indicates a surface mounted (0805) " MINI CHIP" on the copper side of the printed circuit board.

2:| | Indicates a surface mounted transistor, on the copper side of the printed circuit board.

Anderungen vorbehalten!
Con riserva di modifiche!
Subject to modification without notice!
Modifications reservees!


BT01
ODD/EVEN
+7V
GND
AVE
BLK
B
G
R
SDA
SCL
GND
INTVD
SYNC
EXTVD
+13V
NC
NC
LT01 10u
RT01 1R
TT01 BC368
+5V
RT02 82
CT03 22u/16V
CT04 100n
LT02 1uH
CT01 470u/25V
DT01 EPD5V6 2%
CT02 22u/16V
CT05 100n
CT06 22n
RT03 1K
+13V
CT50 56p
RT28 1K
RT04 1K
CT12 10u16V
IT03 TEA2014
TT04 BC558B
RT26 220
RT27 470
CT11 22n
CT08 56p
CT07 100n
LT03 1uH
CT15 10u/16V
Q701 27M
CT10 15p
CT09 1n
IT01 SAA5246
IT02 8XBK/SRAM
LT04 1uH
CT46 22n
CT47 100n
RT29 4R7
CT49 220u/16V
RT05 10
CT14 100n
CT13 100n
CT16 100n
RT13 27M
RT14 10K
RT15 0K
RT07 8K2
CT17 10u/16V
RT09 1K
RT11 27K
TT02 BC548C
TT03 BC548C
RT08 10K
CT19 10u/16V
RT06 1K
RT10 270
RT12 12K
CT18 100n
DT02 1N
RT16 2K2
DT04 1N
RT17 2K2
RT18 2K2
DT05 1N
DT03 1N
RT20 1K5
RT23 33K
RT22 33K
CT22 22u16V
RT21 1K
CT48 100n
RT24 220
RT25 220
CT20 47p
CT21 47p
RT19 1K
VDD
OSCOUT
OSCIN
OSCGND
VSSA
REF+
BLACK
CVBS
IREF
VDDA
POL
STTV
VCR
VSSD
R
G
B
RGBREF
BLAN
CON
ODD/EVEN
Y
SCL
SDA
VSSD
WE
OE
A12
A11
A10
A9
A8
A7
A6
A5
A4
A3
A2
A1
A0
D7
D6
D5
D4
D3
D2
D1
D0
VDD
CE2
VSS
CE1
NC


RI09 8K2
LI10 1u5
CI10 47p
FI10
TI10 BF799
RI05 22
RI06 2K2
CI07 56p
CI06 4n7
LI07
RI07 22
CI08 22n
RI08 82
LI02
RI24 1K3
DI25 BA582
TI25 BF594
RI25 22K
CI20 4n7
RI23 0
CI26 47p
RI26 680
CI09 100n
CI25 100p
DI02
DI01
LI20
LI21
CI24 10p
CI23 47p
RI27 10K
DI30 BA582
RI28 10K
LI01
RI03 100
RI22 330
TI20 BC857B
DI14 BA582
TI30 BC847B
RI30 12K
RI31 1K5
CI47 1n
CI48 1n
RI47 100
RI41 10K
DI32 BA582
RI32 2K7
CI49 10u
CI42 4u7
CI43 470n
FI45 TSF5316
II40 TDA4453/F
CI46 47n
CI50 47p
RI45 220 *0R
CI45 100n
J102 0R *4u7
*DEL.
CI44 39P
RI44 2K7
FI44 68p
RI42 220
FI40 4K7
CI41 22u
CI40 10n
RI40 15K
TI01 BF599
LI04
RI04 270
CI02 47n
RI02 5K6
RI01 3K3
CI01 27p
IF
B1
HORI
AGC
FBAS
RI56 10K
CI60 100n
RI54 10K
TI35 BC847
RI55 3K3
RI53 10K
QI56 32.4mh3
QI55 5.5MHz
QI54 6.0MHz
RI57 56R
II50 TDA2460
RI61 1K
CI66 5n6
CI65 22u
CI67 1u
RI63 3K3
RI62 330
CI68 0R
RI60 1K
CI69 4n7
RI59 2K7
CI64 1u
CI61 22n
FI47
CI63 470p
CI62
RI58 1K2
CI56 22n
CI57 22n
CI58 4n7
RI52 2.2
CI55 470u16V
CI59 22n
SCART OUT
AV
AF OUT
VB
MUTE
VOL.
SCART IN
DI56 BA582

ZF-Modul (IF-2248)

