INSTALLATION INSTRUCTION

Please read the manual and the best state for the machine performance after reset.
1. wiring explaining
  ① connect the deflection line to XS 402
  ② insert the disappear in the magnetism line to XS 501
  ③ connect the speaker line to XS 601. XS602 socket
  ④ connect the front panel to the XS 702 socket
  ⑤ connect the TV tube earth line to the K9N2 of the CRT socket

25' – 29'
2. Distinguish DY: general situation, horizotal DY resistence is under 2. 5ohm, vertical DY resistence is beyond 5ohm, judge DY according to this.
3. horizotal DY wiring method: first of all, meture the DY resistence, devide four range,
  ① 1. 2ohm – 1. 7ohm connect the four line of the deflection line to KY socket, adjust the resistence RP301 or RP302 if the width of the picture is not nomal, dajust the reisstance of RP301 and RP302.
  ② 0. 6ohm – 1. 1ohm cut the red line of the deflection line, insert in T2, connect the other three line to 2. 3. 4. of the XS402. increase the capacitor C441, it can be increaced to 0. 8UF – 1UF, then adjust RP301. RP302.
  ③ beyond 1. 8ohm cut the red line of the horizotal DY, then connect it to T1, if the width of the picture is not nomal, increase the capacitor C436, or reduce C441, then adjust RP301. RP302.
  ④ under 0. 6ohm change it to series, measure its resistence, confirm it belongs to which range then connect it according to the method above.
4. vertical DY wiring method
  25' – 34', vertical DY resistence is between 4ohm – 15ohm. needn't change, conncet the DY to 3. 4. of the KY socket directly. if the picture upside down, exchange the 3. 4. ir the length of the picture is not nomal, adjust the data of V – SIIE, or change the resistence of R459.

14' – 21'
2. distigulish DY: general situation, horizotal DY resistence is below 3. 5ohm, vertical DY resistence is beyond 6ohm, judge DY ac cording to this.
3. horizotal DY wiring method: first of all, meture the DY resistence, devide four range,
  ① when the resisten is between 2ohm – 2. 2ohm, insert it to the 1. 2of the XS 402.
  ② when the resitence is between 2. 2ohm – 3ohm, connect the red line of the deflection line to T10, then adjust the capacitor of C441, then connect other three lines to XS402.
  ③ when the resistence is between 1. 7ohm – 2. 2ohm, conncet the red line of the deflection line to T9, at the same time increase the capacitor of C441 to 0. 39 – 1UF.
  ④ When the resisence is below 1. 5ohm, change the DY to seris, measure its resistence, connect it right, if the width is too much, increase C441, then series the inductor.
4. vertical DY wiring method: when its resistence is between 8ohm – 15ohm, connect it to 3. 4 of DY socket, if it is 30 – 60ohm, change the DY to shunt.

5. if the vertical length if still unnomal after adjusting the machine, adjust the resistance R451(3. 9 – 6. 8K), R459 (0. 5OHM – 2. 5OHM)
6. check the ground cable. deflection cable. high votage cable before start the machine.
7. if the picture appears ▱ or ▱, try three methods blow: ① change DY ② change the board contains the founti adjust ③ increase the capacitor C438
8. if appears audio, characters, black curtain, white curtain or cross, adjust the daet of B/W = 0
9. if the raster is not nomal, change the positive pole and negative pole of L441.
10. if opposite the DY, LA78040. LA7840. R550. R460. V432. V513. V512 will be destroyed, pls check it.
11. luminance is tow or the picture tube wears out, try ① reduce the resistance of R491 ② at the same time, in crease the resistance of ralease tube(15kohm – 18kohm) ③ reduce the resistance of the three release tube (200ohm – 300ohm)④ reduce r931 to 220ohm – 680ohm.
12. if rester is unnomal ① adjust MENU 3"IC. selest" to LA76810/76818. ② check the voltage 21'110v25'130v, confirm it not be high of low. ③ check N551 AN7809 if it is ok.
13. the indicator lamp is on, no high voltage. check the 2. 3of FBT.
14. if the screen appears vertical line. adjust the "ADJUST MENUO""HPOSI "and"ADJUST MENU2""HBLD LEFT" and "HBLK RIGHT". if the curtain can not cover the whole, adjuos the data of SCR HPOSI.
15. if the tv tube is Panasonic, Beijing Panasonic or sharp, it will appears▱, that is the problem of DY, .
16. start the machine, if electric capacitor C444 fenerate heat or bomb and split, that is because ground cable of tv tube and TNU coknnected, the resistance between them should be 200k.
17. if the length of the picture is two much, chendk the resistance of DY if it is two high.
18. for loudapeaker, use 8ohm. 3w.
ATTENTION: before installation, check tv tube, before start the machine, check if the groung cable connect the KYM of the CTT, if not, LA7681X OR LCB8633XX woll be destroyed.
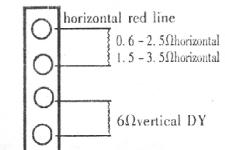
1	○	horizontal red line
		0. 6 – 2. 5Ωhorizontal DY
2	○	1. 5 – 3. 5Ωhorizontal DY
3	○	
4	○	6Ωvertical DY

Operating instruction

Preset the pragram
Under the state of " TV ", accuse of the key of " menu " on the board or the remote controller before pressing repeatedly, it make display " preset it " accuse of at the time of project or not at remote controller for board before pressing " program +- " it chooses " full-automatic to search for " to be or the " semi-automatic to search for " to key, " finely tune, accuse of board or at the remote controller before pressing again " volume + - " key can go on corresponding function operate it.

Choose the program
Before it press it accuse of program or not at remote controller for board " +- "key,can choose by program in proper order,can have pressed by numerical keyed in remote controller too and: -/--"The key goes on to select the platform directly

Adjust volume
According to before accuse of by board or not at remote controller "volume +- "can size against volume regulate going on

Function of the game
Accuse of the key of " menu " on the board or the remote controller before pressing repeatedly, make the screen show " function ", press " program +- " key can choose " 1 game " or " 2 game ", press " volume +- " the key can enter the state of the game, press and then " volume +- " key can carry on game, press and " recall " the key can be " delayed " or " resumed " ", equally, can begin another game. Press and " it is apparent to reject " the key and can return and go on a tour the play.

Time function
Accuse of board or " menu " key at the remote controller before pressing repeatedly, make the display " time " project, with " program +- " key choose " clock " " time of starting the machine " " unused time ",etc.. With "volume + "last time adjustment about hour,with "volume- "key adjust about minute, get time that you set for will carry out the corresponding function. Should pay attention to it only after establishing " clock " one, every other ability is set up, exchange all time after old trick to set up and cancle.

Electronic calendar
Accuse of board or " menu " key at the remote controller before pressing repeatedly, make the display " function " project, it press " program +- "key,choose " calendar " of project of,press " volume +- "key, enter calendar, calendar ,etc. and show the state. Press " program +- " key choose year calendar or calendar or calendar leafed through to want, press " volume +- " key to annual, moon, calendar leaf through.
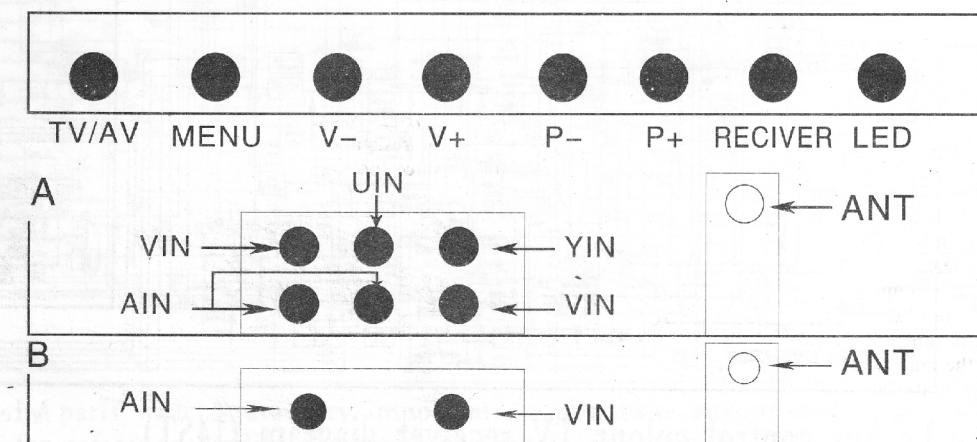
Function of the video
Accuse of board or remote controller " TV / video " enter " video " state, can use for showing VCD before pressing, video programs, such as video ,etc., press the key of " system " under the state of the video, can change the colored rule directly

Scale function
Press this key, can make the fax enlarge. Ordinary. Narrow and change between three states.
Result keyPress key this, can make fax in " memory, standard ". Soft, gorgeous, bright to " change between five kinds of states.
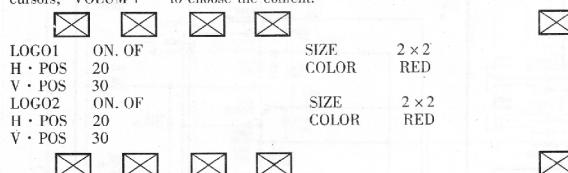
LC8633XX   LA76818ADJUSTMENT INSTRUCTION

1. the method to get to "FACTORY":
   ① get to "FACTPRY" by remote controller: adujsthe volum = 0, press"MENU" when appears"Picture", in OSD state, press 6568 equal to "PROD"
   ② convertion method: press "SLEEP", you can conver it in the: FACTORY, B/W BALANCE, ADJUST, press 'REVIEW' to nomal state.
2. when in "FACTORY" state, press "PICTURE" for 7 seconds, you can set it, press program + − "to choose adjustment, "RESULT" to move cursors, "VOLUM + −" to choose the content.

LOGO1	ON. OF		SIZE	2 × 2
H · POS	20		COLOR	RED
V · POS	30			
LOGO2	ON. OF		SIZE	2 × 2
H · POS	20		COLOR	RED
V · POS	30			

3. Acording to 1, enter into B/W BLANCE

OSD			OSD		
S − BRI	70	0 ~ 127	C. B/W	0	0 ~ 3
B − DRV	60	0 ~ 127	B − BIA	13	0 ~ 255
G − DRV	8	0 ~ 15	G − BIA	102	0 ~ 255
R − DRV	60	0 ~ 127	B − BIA	16	0 ~ 255

4. According to the method above, enter into aujust menuo
5. when screenis in "ADJUST MENUO" state, press "silence", enter into"MENU1 − MENU10" only in the state of "B/W − BALANCE" and "ADJUST" ,can turn off the adujstment state.
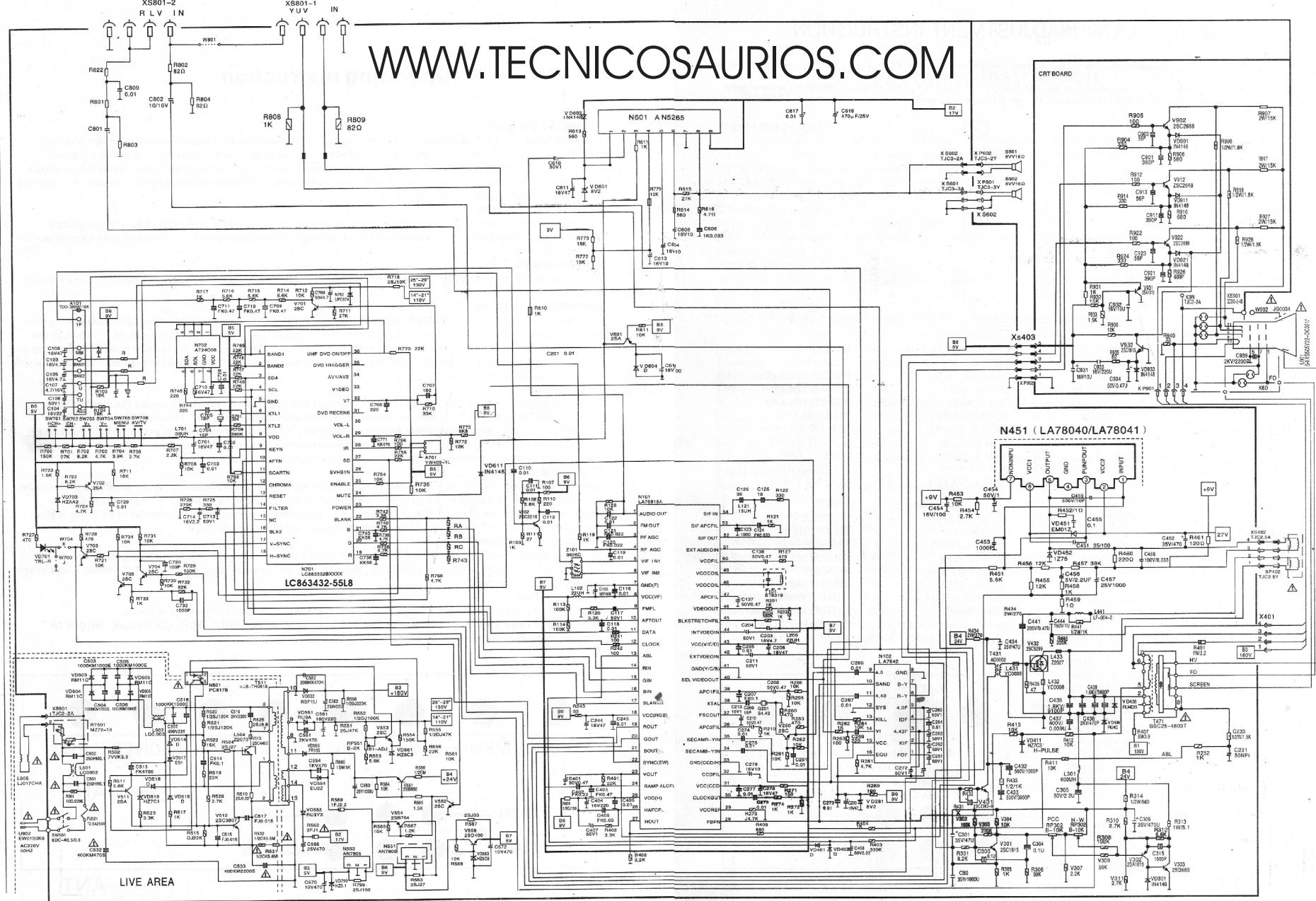
MENU0		MENU1		MENU2		MENU3	
H. PHASE	9	PORCE 60HZ	0	RF. AGC	120	76810/7681	1
V. SIZE	70	CROSS B/W	0	VOLUME OUT	0	POWER OPTION	1
V. LINE	21	R − Y/B − Y G. BL	8	ZOOM SIZE	80	POWER LOGO	1
V. POSITION	7	R − Y/B − Y ANG.	8	WIDE SIZE	50	POWER ON KEY	1
V. SC	6	B − Y DC LEVEL	8	H. BLK. LEFT	6	BLUE/BLACK	0
NT. H. PHASE	+04	R − Y DC LEVEL	8	H. BLK. RIGHT	2	BLK PROCESS	1
NT. V. SIZE	−03	SECAM R − Y DC	8	OSD H. POSI.	11	V. MUTE P. OFF	0
NT. V. LINE	+03	SECAM R − Y DC	8	OSD V. POSI.	16	SCREEN OPT.	3
NT. V. POSI.	+03	YUV B − Y DC	8	SCR. H. POSI	0	SCREEN TIME	3
NT. V. SC	−04	YUV R − Y DC	8	SETUP SELECT	110	SCREEN TYPE	0

MENU4		MENU5		MENU6		MENU7	
TUNER OPT.	0	AV OPTION	1	GAME OPTION	31	ENGLISH OSD	1
SEARCH SPEED	0	S − VIDEO OPT.	0	CALENDAR	1	VIETNAMEES	1
SEARCH CHECK	1	SCART OPTION	1	ZOOM OPTION	1	FRANCE OSD	1
BAND OPTION	1	ONLY AV MODE	0	SENSITIVITY	0	INDONESIAN	1
VL/VH FREQ.	250	DVD OPTION	0	CHILD LOCK	0	THAI OSD	1
VH/UHF FREQ.	0	DVD OFF TIME	10	AUDIO AMP.	1	THAI DUAL	1
AV IF STATUS	0	OFF TRIGGER	106	REMEMBER AV	0	HOTEL MODE	0
MENU ICON	0	ON TRIGGER	61	LINE MODE	0	HOTEL VOLUME	100
MENU BACK	0	DVD KEY DEF.	0			ON POSITION	255
PROMPT TYPE	0	DCD PORT DER.	0				

MENU8		MENU9		MENU10	
STEREO OPT.	1	PAL OPTION	1	AFC GAIN	1
LV1116 GAIN	0	N3. 58 OPTION	1	V. SEPUP	1
SUR. MODE	0	N4. 43 OPTION	1	VIDEO. LEVEL	7
WOOFER GAIN	4	SECAM OPTION	0	FM. LEVEL	16
WOOF OPTION	0	COLOR AUTO	1	CD. MODE	0
SUB. CONT.	31	4. 5 OPTION	0	SOUND TRAP	4
SUB. COLOR	15	5. 5M OPTION	1	R/G GAMMA H. TONE DEF.	1
SUB. SHARP	0	6. 0M OPTION	1	BLUE GAMMA HALF TONE	3
SUB. TINT	32	6. 5M OPTION	1	DIGITAL OSD	0
B. B. BRIGHT20				OSD. CONT	80

MENU11		MENU12		MENU13	
VOL. FILTER	1	VREST TIMING	1	Y GAMMA STA.	0
VIF. SYS. SW	1	G − Y ANGLE	1	DC. REST	3
BRT. ABL. DEF.	0	C. KILLER OPE	3	BLK. STR. STA.	2
MTD. STP. DEF	0	V. BLK. SW	0	BLK. STR. GAIN	2
BRT. ABL. TH	0	FBPBLK. SW	1	A. MONI. SW	0
EMG. ABL. DEF. RGB TEMP SW.	0	WPL OPE.	0	S. TRAP. SW	1
YUV OPTION	0	PRE/OVER ADJ	0	V. LEV. OFFSET	0
FSC. /C − SYNC	1	PRE/OVER SW.	1	OVER. MOD. SW.	0.
VCD ADJ. SW.	0	CORING W/DEF	3	OV. MOD. LEVEL	0
C. VCO. ADJ.	1				

一、LC8633XX

NO.	NAME	PRESURE
1	UHF	0V
2	50/60HZ	0V
3	NC	0V
4	WOOF − VOL	0V
5	VOLUME − L	3. 8V
6	VOLUME − R	3. 7V
7	POWER	0. 15V
8	VT	0 − 5V
9	VSS	0V
10	XT1	2. 4V
11	XT2	2. 7V
12	VDD	5V
13	DEYIN	0. 2V
14	AFFIN	2. 3V
15	NC	4. 8V
16	ACDETECT	4. 8V
17	RESET	5 V
18	FILT	2. 7V
19	CHROMA	5V
20	V − SYNC	4. 8V
21	H − SYNC	4V
22	RED	0V
23	GREED	0V
24	BLUE	0V
25	BLANK	0V
26	BLANK2	0V
27	SDAO	4. 7V
28	SCLO	4. 7V
29	SDAI	4. 5V
30	SCL1	4. 4V
31	ENABLE	4. 9V
32	S − VHS	4. 9V
33	SD	0. 45V
34	REMOTE	4. 6V
35	SIF	4. 8V
36	WOOF	4. 8V
37	MUTE	0V
38	AV2	0V
39	AV1	0V
40	SENSITUITY	0V
41	BAND2	0V
42	BAND1	0V

二、LA76818

NO.	NAME	PRESURE
1	AODIO OVT	2. 3V
2	PM OVT	2. 4V
3	PIF AGC	2. 4V
4	RE AGC	5V
5	VIF IN1	2. 9V
6	VIF IN2	2. 9V
7	GND	0V
8	VCC	5V
9	FM FIL.	0. 1V
10	AFIOUT	2. 4V
11	DATA	4. 7V
12	CLOCK	4. 7V
13	ABL	4. 1V
14	RIN	0
15	GIN	0
16	BIN	0V
17	BLANK IN	0. 8V
18	VCC	8. 1V
19	R OVT	2. 4V
20	G OUT	2. 4V
21	B OUT	2. 8V
22	SD	0. 4
23	V OUT	2. 2V
24	RAMP. ALC. FIL	2. 7V
25	VCC	5. 1V
26	HAFC FIL	0. 6V
27	HOUT	0. 6V
28	FBPIN	1. 1V
29	VCO IREF	1. 7V
30	CLOCK OUT	1V
31	VCC	4. 6V
32	CCD FIL	3. 2V
33	GND	0V
34	SECAMB − YIN	2. 6V
35	SECAMR − YIN	2. 6V
36	APC2. FIL	3. 9V
37	FSC OUT	1. 2V
38	XTAL	2. 8V
39	APC1FIL	3. 6V
40	SCL VIDEOOVT	

41	GND	0V
42	EXT VIDEOIN	2. 6K
43	VCC	5V
44	INT. VIDEO IN	3V
45	BLK STRETCH FIL.	3. 2V
46	VIDEO OUT	2V
47	APC FIL	3. 6V
48	VCO COIL	4. 3V
49	VCO COIL	4. 3V
50	VCO FIL	2. 4V
51	EXT. ACIDIO IN	2. 2V
52	SIF. OUT	2V
53	SIF APC. FIL	2. 3V
54	SIF IN	3. 2V

三、TH − 50J2

NO.	NAME	PRESURE
1	UHF	5V
2	50/60	0V
3	DATA	4. 7V
4	CLOCK	4. 7V
5	VSS	0V
6	XT1	1. 9V
7	XT2	2. 4V
8	VDD	5V
9	KEYIN	0. 25V
10	AFTIN	2. 4V
11	NC	5V
12	CHROMA	5V
13	RESET	5V
14	FILT	3. 6V
15	POWER	0V
16	BLANK2	5V
17	V − SYNC	4. 2V
18	H − SYNC	4. 2V
19	RED	0V
20	GREEN	0V
21	BLUE	0V
22	BLANK	0V
23	SIF	5V
24	MUTE	0V
25	ENABLE	5V
26	NC	0V
27	SD	0. 5V
28	REMOTE	5V
29	VOLLUME − R	5V
30	VOLLUME − L	2V
31	WOOFER	5V
32	VT	4. 5V
33	AV2	0V
34	AV1	0V
35	BAND2	0. 3V
36	BAND1	5V

四、LA7840/7841

1	0V	0	0Ω
2	12V	500Ω	500Ω
3	24V	7K	400K
4	2. 3V	2	1K
5	2. 4V	3. 5K	3. 5K
6	24V	900Ω	2. 7K
7	2. 2V	10K	15K

五、4285/4587

1	0V	0Ω	0Ω
2		0V	0Ω
3	6V	50K	8K
4			
5	1V − 4. 9V	14K	7K
6	8. 6V	7K	
7	7. 1V	14K	7K
8	0V	0Ω	0
9	9. 3V	7K	15K
10	20V	600Ω	30K

六、AN5265

NO.		PRESURE	NO.		PRESURE
1	VCC1	7. 8	6	NF	8. 9
2	INAF	3. 4	7	GND	0
3	MUT	0	8	OUTAF	9. 2
4	CONVOL	7. 6	9	VCC2	18
5	FL	8. 8			

七、TDA2611

NO.		PRESURE	NO.		PRESURE
1	VCC		6	GNDRER	0
2	OUT		7	IN	1. 3
3	(N. C)		8	FIL	9. 5
4	NGDF		9	N. F	0. 15
5	BS				

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I c² bus control colour TV receiver diagram (14ST)

Attension: ①All the parts with ⚠ are very important, do not make anyone insteaded.
②Just for reference, modify the terms without information.