

15"LCD TV SERVICE MANUAL

LTA-15A301

VERSION:

DESIGNED BY:

CHECKED BY:

APPROVED BY:

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KXD 15"LCD TV SPECIFICATION

FEATURES

- POWER SUPPLY:DC 12V/4A(ADAPTER)
ADAPTER POWER SUPPLY:AC 100~240V 50/60Hz
- MULTI TV SYSTEM:PAL BG/DK/I and SECAM BG/DK/LL'
- MULTI VIDEO SYSTEM:PAL/NTSC/SECAM
- VERSATILE INPUT SOURCES:TV,VIDEO,S-VIDEO,SCART,
PC(ANALOG)
- FULL FUNCTION REMOTE CONTROLLER
- EXCELLENT SOUND EFFECT WITH VOLUME,TRABLE,BASS,
BALANCE, ADJUSTABLE
- SMART SOUND & PICTURE MODE SET:
STANDARD,SPEECH,MUSIC;STANDARD,SOFT,RICH
- ADAPTIVE 2/4 LINE COMB FILTER FOR PAL/NTSC
- VTR FOR WEAK AND DISTORETED SIGNAL FROM VIDEO TAPE
RECORDER
- 10 PAGES TELETEXT(OPTION)
- AUTOMATICALLY TURN OFF THE SET WHEN SIGNAL ABSENT LONGER
THAN 10 MINUTES
- 256 CHANNELS
- BLUE SCREEN DISPLAY

GENERAL SPECIFICATION:

PART1:TV SET

POWER CONSUMPTION	55Watt (MAX.)
	≤3Watt(STBY)
TV RECEIVE SYSTEM	PAL D/K I B/G SECAM BG/DK/LL'
VIDEO SYSTEM	MULTI PAL/ SECAM/ NTSC
VISION INTERMEDIATE FREQUENCY	38.9MHz,33.95MHz(L')
INTER-CARRIER FREQUENCY	5.5 MHz (B/G)
	6.0 MHz (I)
	6.5 MHz (D/K,LL')
CHROMA IF FREQUENCY	BG/DK/L: 34.47MHz
	L': 38.38 MHz
CHANNELS RECEIVED	VHF-L 46.25-163.25MHz
	VHF-H 158.25-466.25MHz
	UHF 471.25-855.25MHz
TUNING MODE	PLL SYSTEM
AV IN/OUT	1 AV IN,1 S-VIDEO IN
	21PIN SCART IN

AV IN/OUT SPECIFICATION	Y/C IN -Y: $1.0 \pm 0.2 V_{P-P}$ 75Ω C: $0.7 V_{P-P}$ 75Ω
	VIDEO IN---- $1.0 \pm 0.2 V_{P-P}$ 75Ω
	AUDIO IN----Approx,500mV
	VIDEO OUT---- $1.0 \pm 0.2 V_{P-P}$ 75Ω
	AUDIO OUT----Approx,400mV
	RGB IN ----- $0.7 V_{P-P}$
PC INPUT	$0.7 V_{P-P}$ (analog RGB signal)
	2.4-5V(HSYNC&VSYNC)
ANTENNA INPUT IMPEDANCE	75 OHM
OSD LANGUAGE	ENGLISH/SPANISH/ITALIAN
	RUSSIAN/GERMAN/FRENCH
AUDIO OUTPUT POWER	> 3W (1KHz, 0.5Vrms, 10%THD)
LED INDICATORS	GREEN POWER ON
	RED POWER OFF
	ORANGE SLEEP(PC)
HAND SET POWER SUPPLY	BATTERY 1.5V (AAA) x2

PART2:PANEL

Brand & Model	CHIMEI/M150X3-L01
Resolution	1024*768
Displayable Colour	16.2MHz
Viewing Angle (H/V)	120° (Hor) / 100° (Ver)
Display Response Time	30ms
Contrast Ratio	1:300
Brightness	250nit
Aspect	4:3
Lamp Life	50,000Hrs
Bad Pixel Quality (Bright/Dark/Total)	2 / 3 /5

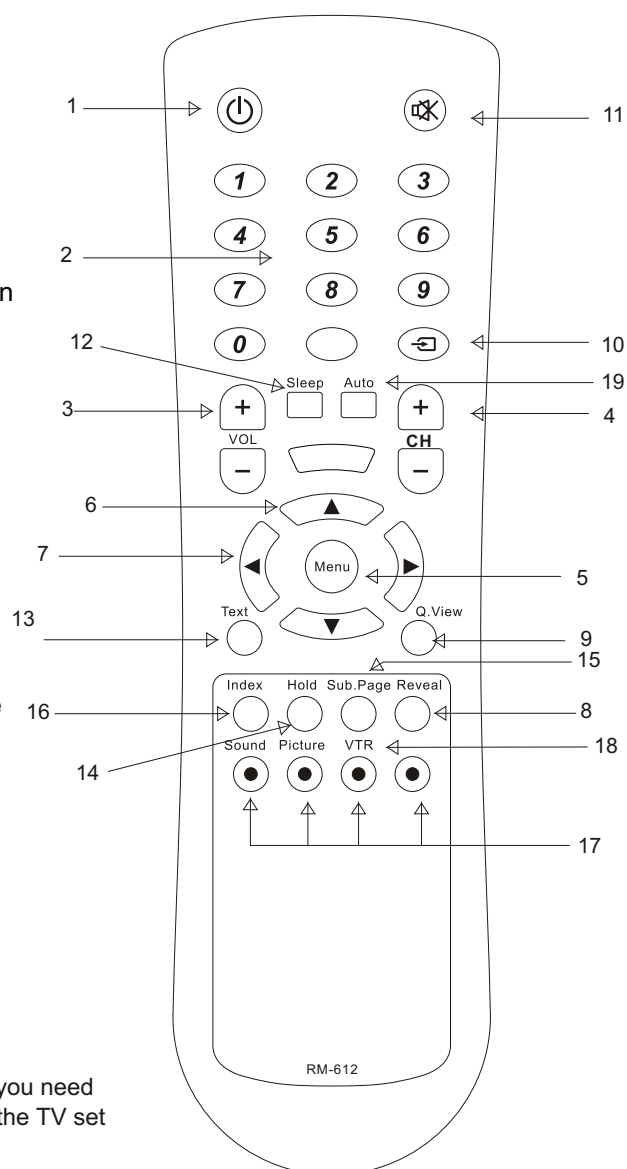
PART3:PC INPUT RESOLUTION

Recommended resolution is 1024*768@60Hz

	RESOLUTION	V.Freq(Hz)	H.Freq(KHz)	Band Width(MHz)	Polarity H/V
1	720*400	70	31.47	28.322	-/+
2	640*350	70	31.469	25.175	+/-
3	640*480	60	31.47	25.175	-/-
4	640*480	72	37.86	31.5	-/-
5	640*480	75	37.50	31.5	-/-
6	800*600	56	35.156	36	+/+
7	800*600	60	37.88	40	+/+
8	800*600	75	46.88	49.5	+/+
9	800*600	72	48.08	50	+/+
10	1024*768	60	48.36	65	-/-
11	1024*768	70	56.48	75	-/-
12	1024*768	75	60.02	78.75	+/+

DESCRIPTION OF

1. **POWER**: turn on or off the TV
2. **NUMBER KEYS**
3. **VOL+/-** : adjust volume
4. **CH+/-** : change program forward/backward
5. **MENU**: access main menu
6. **BOTONES ▲/▼** : move cursor in main menu
7. **BOTONES ◀/▶** : adjust item you selected
8. **REVEAL**: recall program number, system etc on the screen
9. **Q VIEW**: return to the last viewed program
10. **SOURCE**: select external video source
11. **MUTE**: mute sound
12. **SLEEP**: set time to turn off the TV
13. **TEXT**: display/mix/close teletext signal
14. **HOLD**: hold/release sub-page
15. **SUB PAGE**: view sub-page
16. **INDEX**: view index page directly.
17. **4 COLOR BUTTONS**:
access the corresponding page indicated in the line of teletext page
18. **VTR**: rectify distortion signal from VTR(videotape recorder).
19. **AUTO**: auto adjust the position and size of the picture in PC mode



DIRECT PROGRAM SELECTION (0-9 BUTTONS)

1. To select one-digit channel:

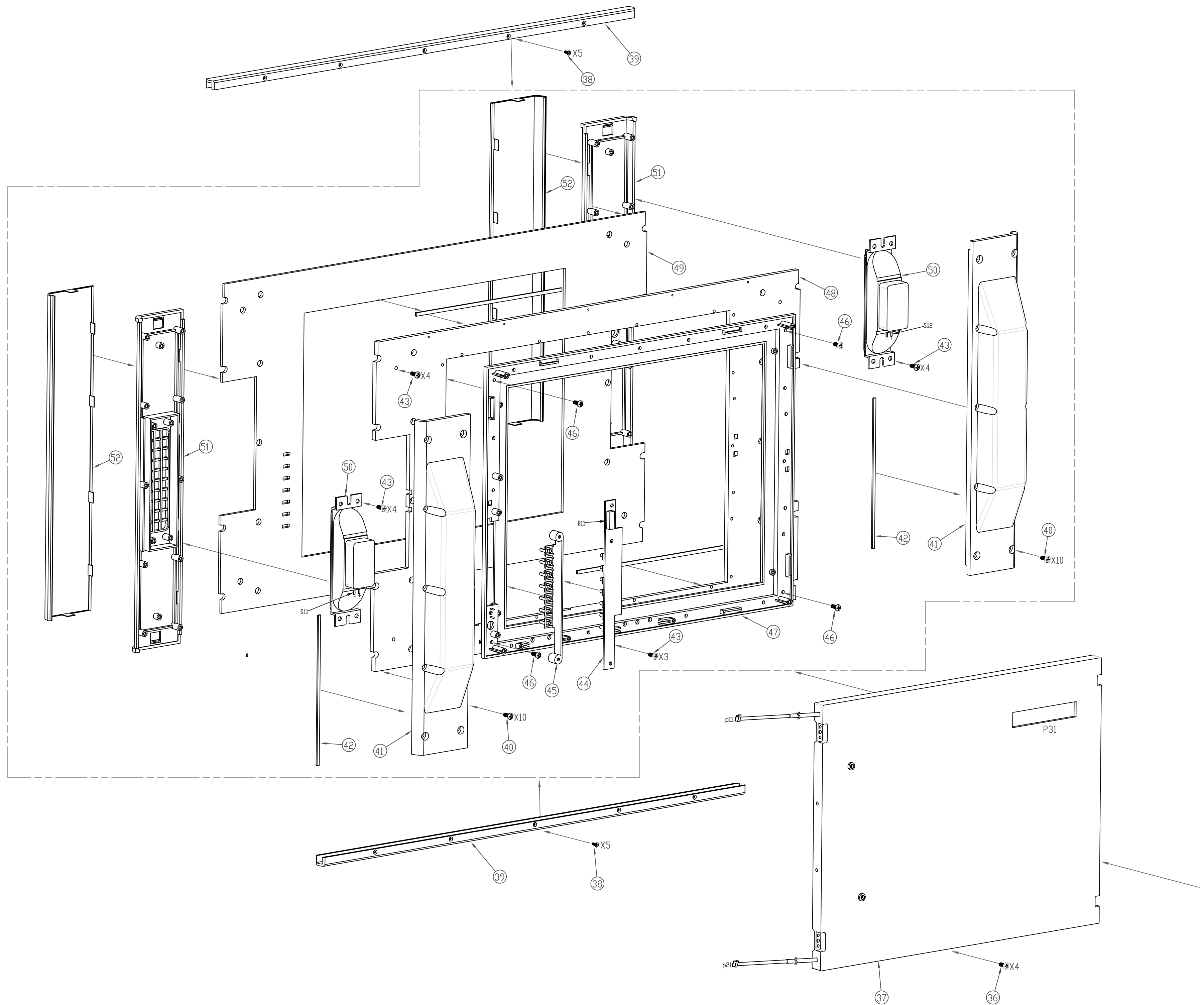
Press 0-9 digit buttons and wait for 2 seconds. For example, you need channel 5, please input "5" button and the screen displays "5", the TV set goes to channel 5 in 3 seconds.

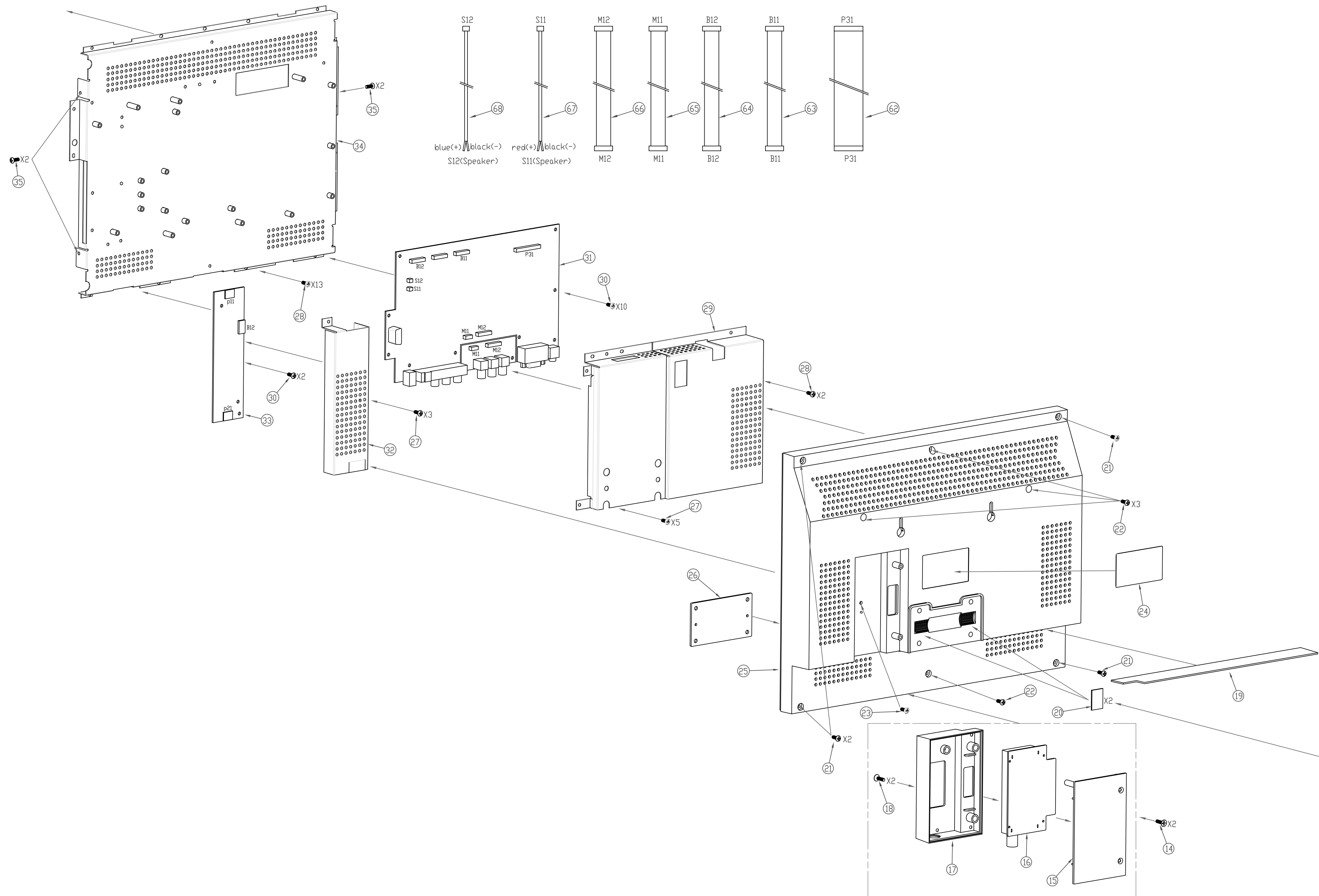
2. To select two-digit channel:

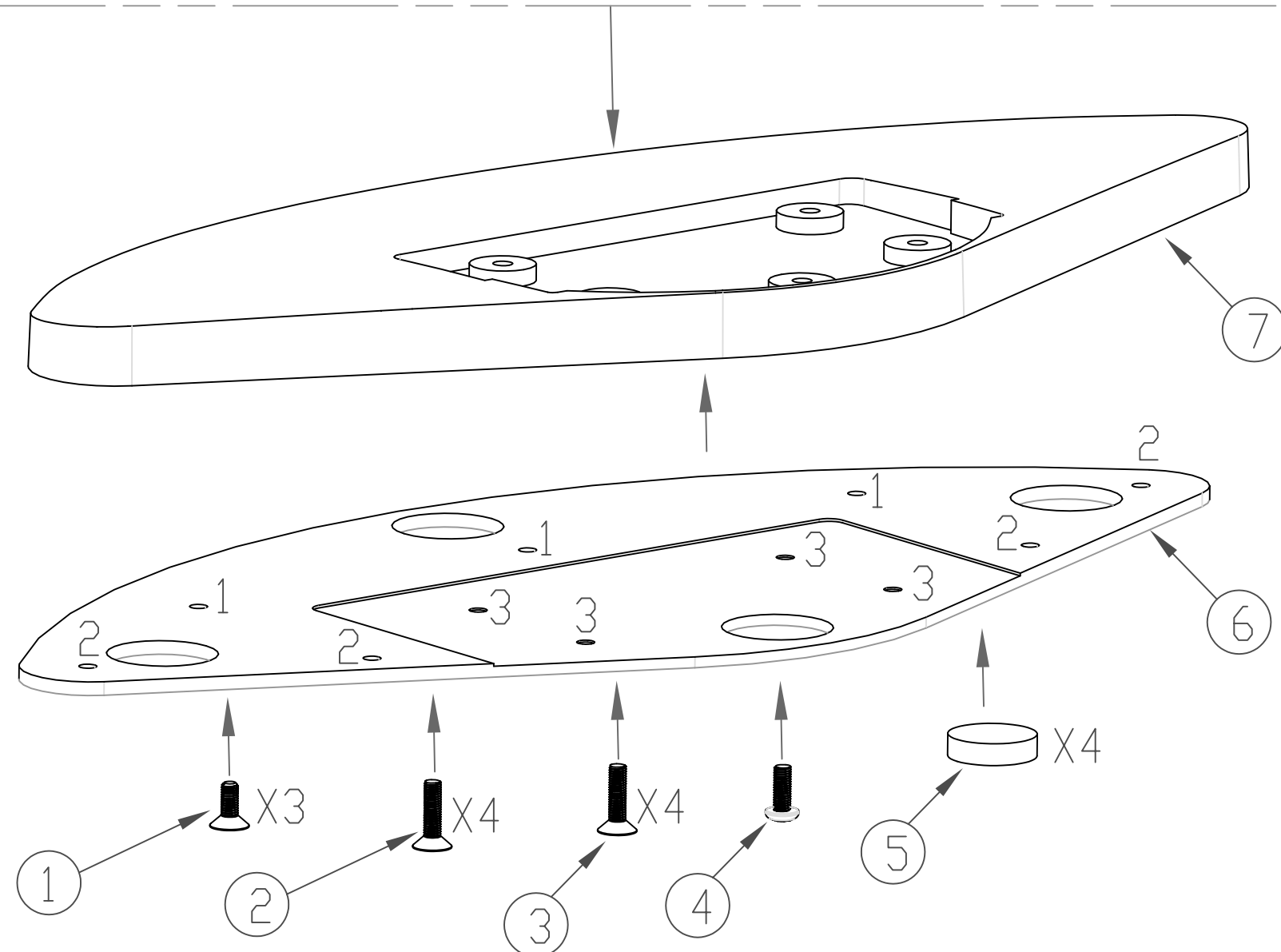
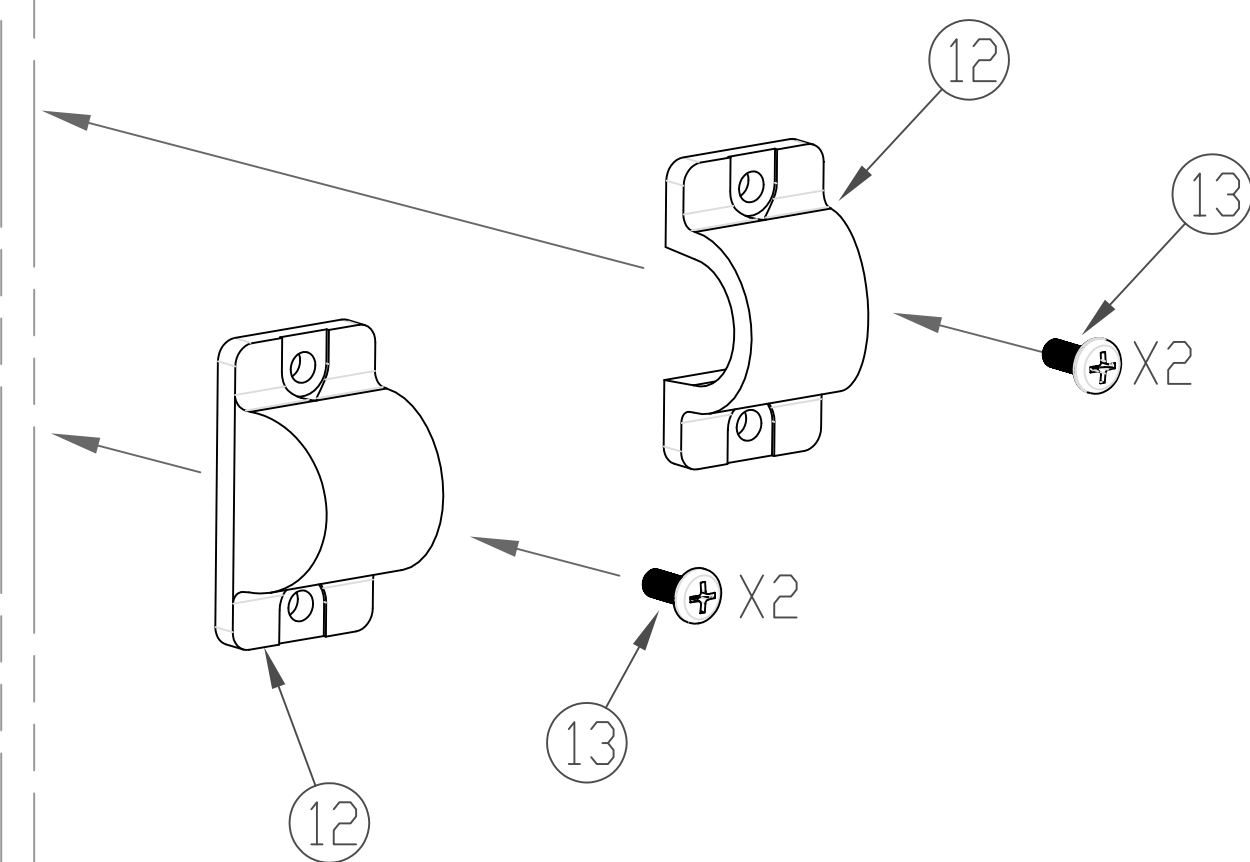
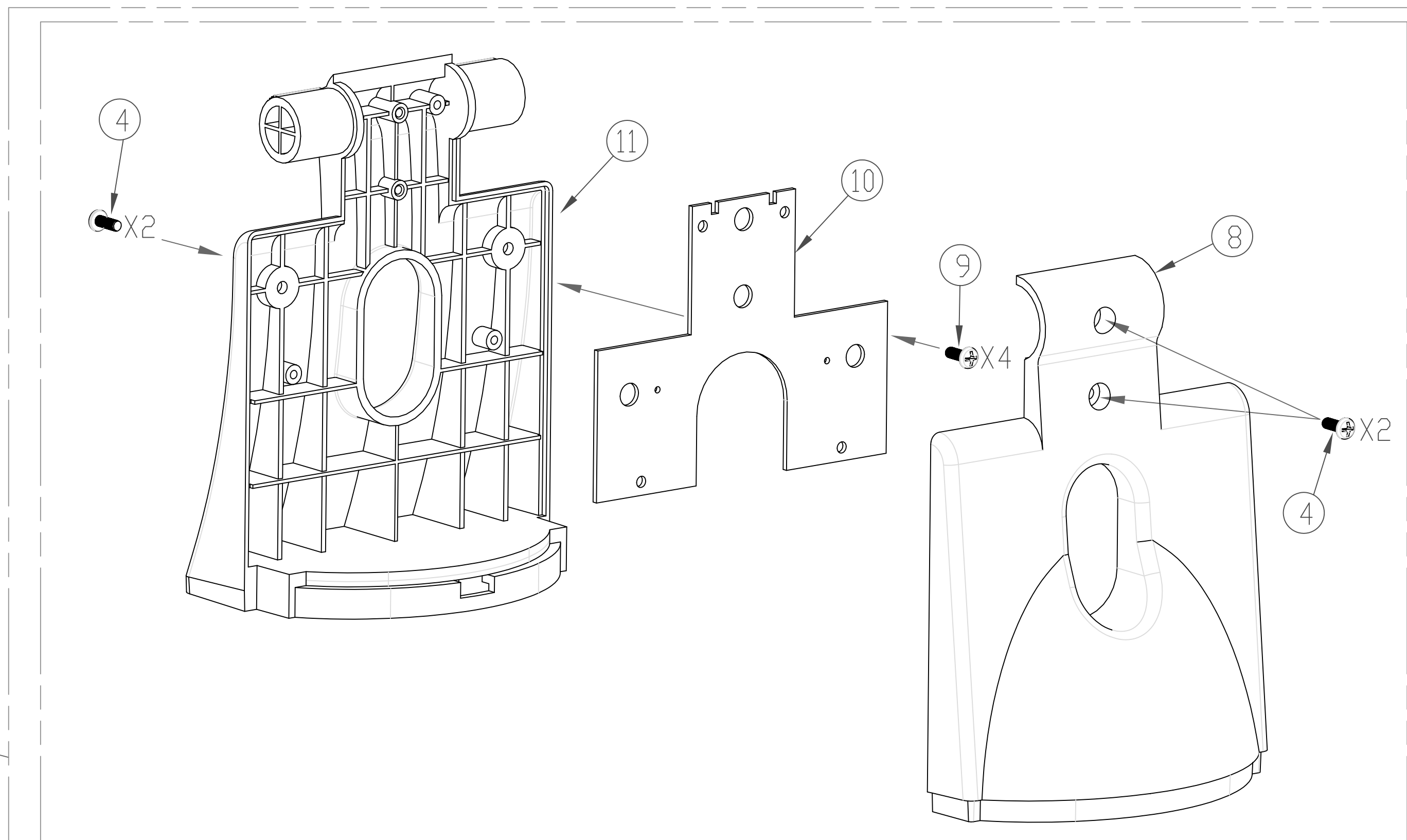
Press two digit buttons in order to input the channel number. For example, you need channel 10, please input "1" button, followed "0" button and the set goes to channel 10. Be sure that the second press should be within 2 seconds.

3. To select three-digit channel:

Press three digit buttons in order to input the channel number. For example, you need channel 110, please input "1" Button firstly, followed "1" button secondly and followed 0 button thirdly then the set goes to channel 110. Be sure that the second press should be within 2 seconds.

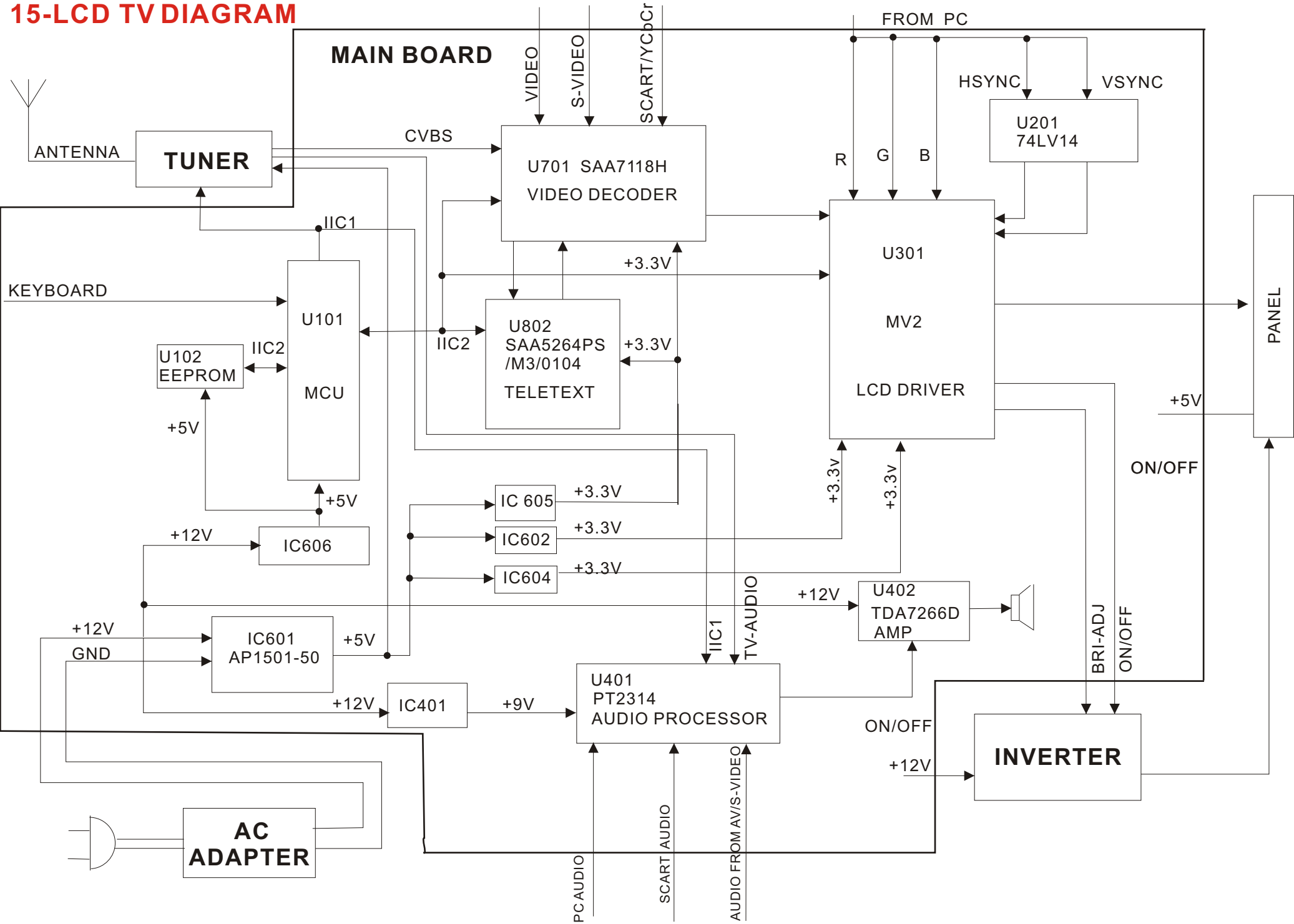


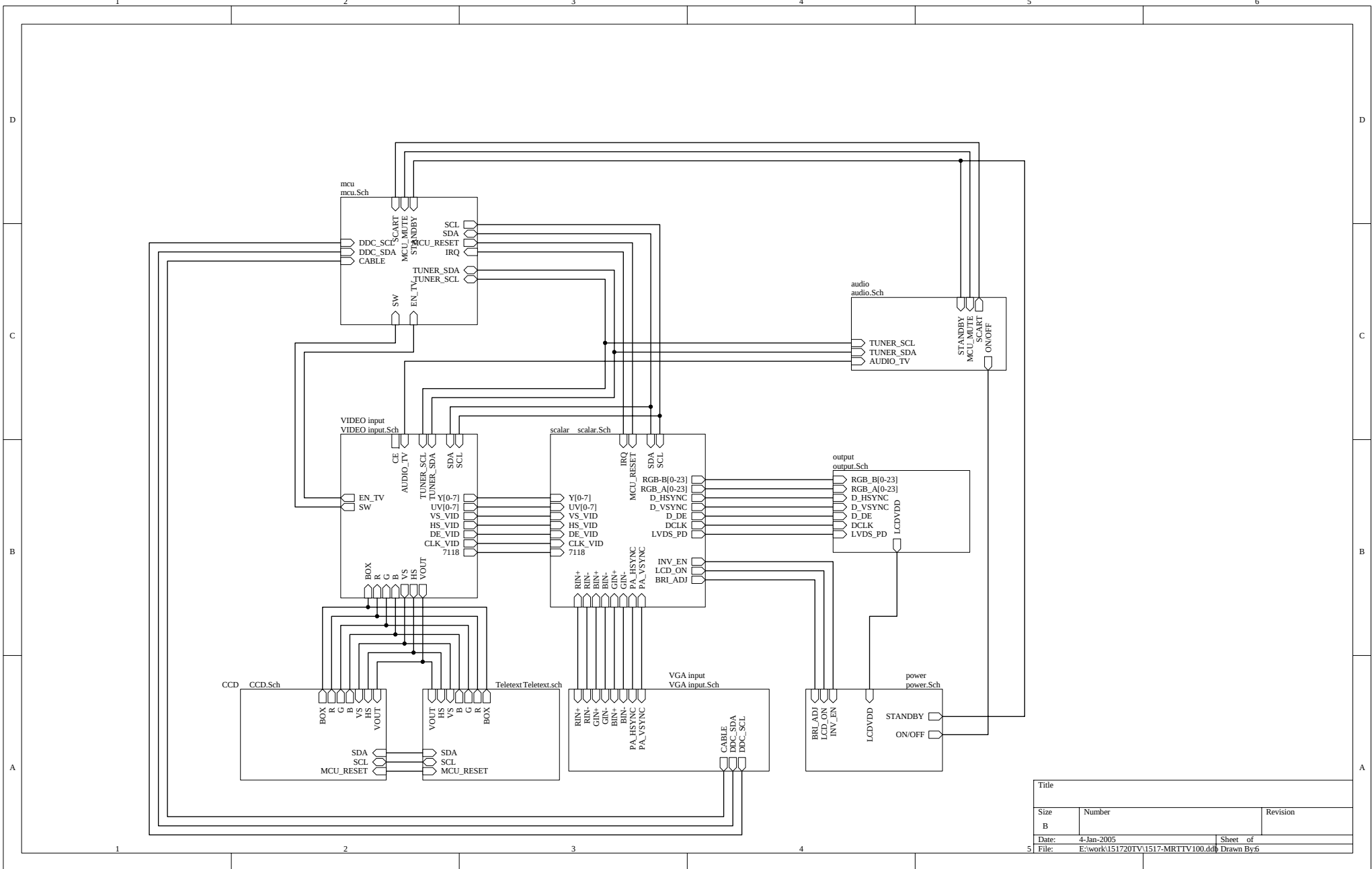




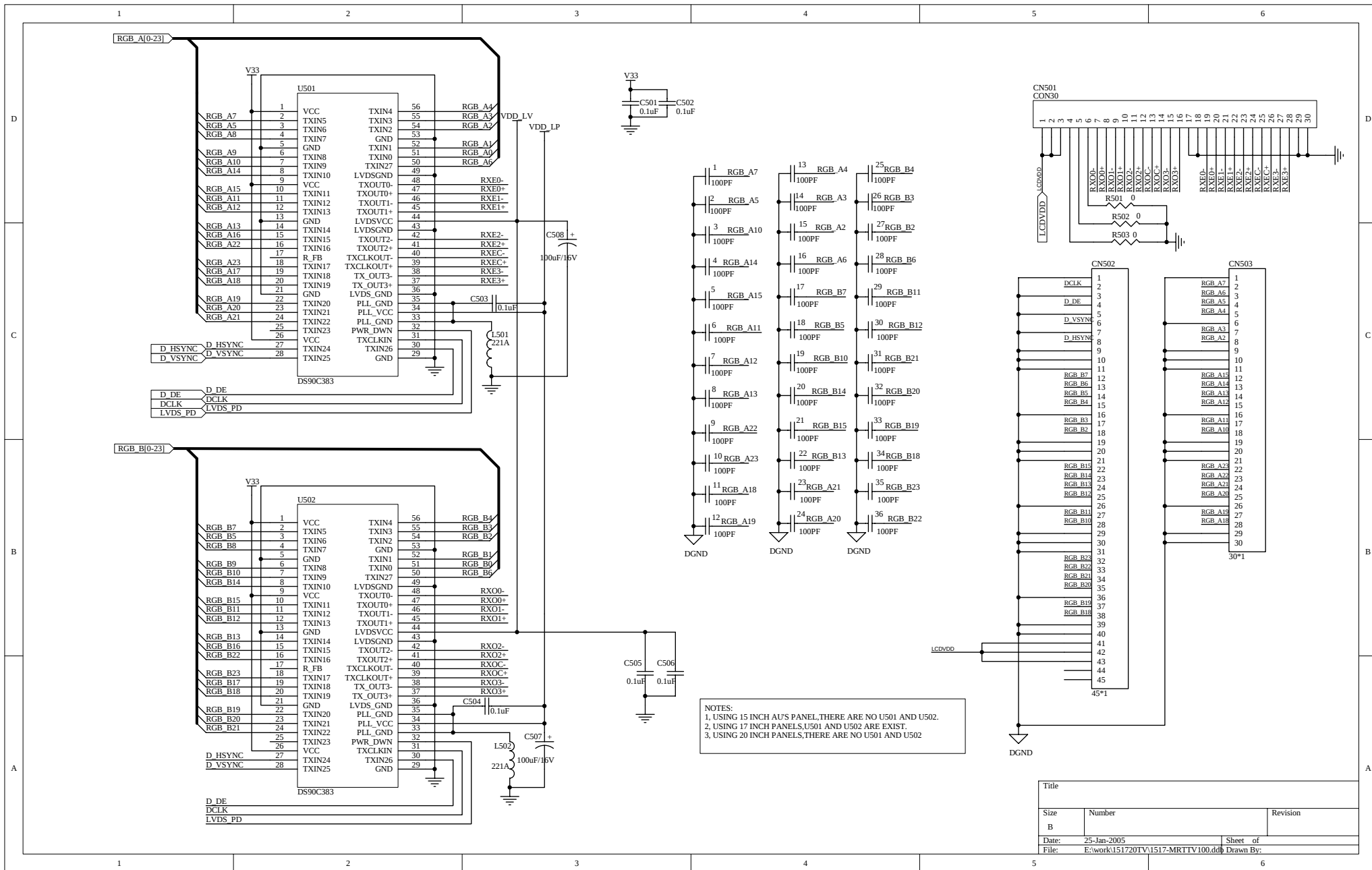
35	6020BMB030061	SCREW, BM3*6, C	4	FOR AU PANEL					
34	305T150100010	QIMEI(AU) PANEL SUPPORT	1	FOR QIMEI(AU) PANEL					
33		POWER PCB	1						
32	304T150100020	MTV-1501 POWER PCB SHIELDED METAL	1						
31		MAIN PCB	1						
30	6020BMZ030061	SCREW, BM3*6, C	12						
29	304T150100010	MTV-1501 MAIN PCB SHIELDED METAL	1						
28	6020BTZ030080	SCREW, BT3*8, C	15						
27	6020BMZ030040	SCREW, BM3*4, C	8						
26	305T150100020	1501 SUPPORT METAL	1						
25	104T150100010	MTV-1501 REAR COVER	1						
24	501T150100040	REAR LABEL	1		59	437T150100A10	SPEAKER WIRE, LEFT, BLUE/BLACK	1	
23	602PWMB030080	SCREW, BM3*8, B, W	1		58	437T150100A20	SPEAKER WIRE , RIGHT . RED/BLACK	1	
22	6020BMZ030061	SCREW, BM3*6, B	4		57	437T150100020	CABLE(10P-11P, 2. 0) (2468 26#)	1	
21	6020BAB030120	SCREW, BA3*12, B	4		56	437T150100050	CABLE(11P, 2. 0) (2547AWG28#)	1	
20	503T1501B0010	wearable RUBBER , 16*28*0. 5mm	2		55	437T1501LVDS0	LVDS CABLE(FOR QIMEI PANEL)	1	
19	501T150100021	PORT LABEL	1		54	437T150100070	CABLE (6P, 2. 0) (2547AWG24#)	1	
18	6020KAB030080	SCREW, KA3L8, B	4		53	437T150100060	CABLE(11P, 2. 0) (2547AWG28#)	1	
17	102T150100A10	TUNER BOTTOM COVER	1		52	305T1501B0030	MTV-1501B SPEAKER METALLIC NET	2	
16		TUNER PCB	1		51	101T1501B0020	1501B SPEAKER FRONT COVER	2	
15	103T150100A20	TUNER TOP COVER	1		50	4400000800310	SPEAKER (8 OHM, 3W)	2	
14	6020KTB030100	SCREW, KT3*10, B	2		49	110T1501B0030	1501B, PMMA, T=3MM	1	
13	6020BMW040130	SCREW, BM4*13, W	4		48	110T1501B0020	1501B PMMA T=5MM	1	
12	109T150100010	MTV-1501 DECORATIVE COVER	2		47	101T150100010	FRONT COVER/QIMEI(AU) PANEL	1	
11	102T150100020	MTV-1501 BASE FRONT COVER	1		46	6020BTZ030070	SCREW, BT3*7, C	15	
10	305T150100040	1501BASE strengthened metal	1		45	107T150100010	MTV-1501 BUTTON	2	
9	6020PTZ030060	SCREW, PT3*6, C	4		44		BUTTON PCB	1	
8	103T150100030	MTV-1501 BASE REAR COVER	1		43	6020BAZ030100	SCREW, BA3*10, C	15	
7	109T150100030	MTV-1501 BASE	1		42	6070010401290	EVA4 (W) *1 (H) *290mm	2	
6	305T150100060	MTV-1501 BASE METAL	1		41	101T1501B0030	1501B SPEAKER REAR COVER	2	
5	503T300100040	1501 RUBBER φ16*4	4		40	6020BAW030100	SCREW, BA3*10, W	20	
4	6020BTW030080	SCREW, BT3*8, W	5		39	306T1501B0010	MTV-1501B DECORATIVE AL	2	
3	6020KAW030170	SCREW, KA3*17, W	4		38	6020KTW020060	SCREW, OT2*6, W	10	
2	6020KTW030070	SCREW, KT3*7, W	4		37	419M150X3L010	PANEL	1	
1	6020KTW030050	SCREW, KT3*5, W	3		36	6020BTZ030070	SCREW, BT3*7, C	4	FOR QIMEI PANEL
ITEM	P/N	DESCRIPTION	QTY	REMARK	ITEM	P/N	DESCRIPTION	QTY	REMARK

15-LCD TV DIAGRAM



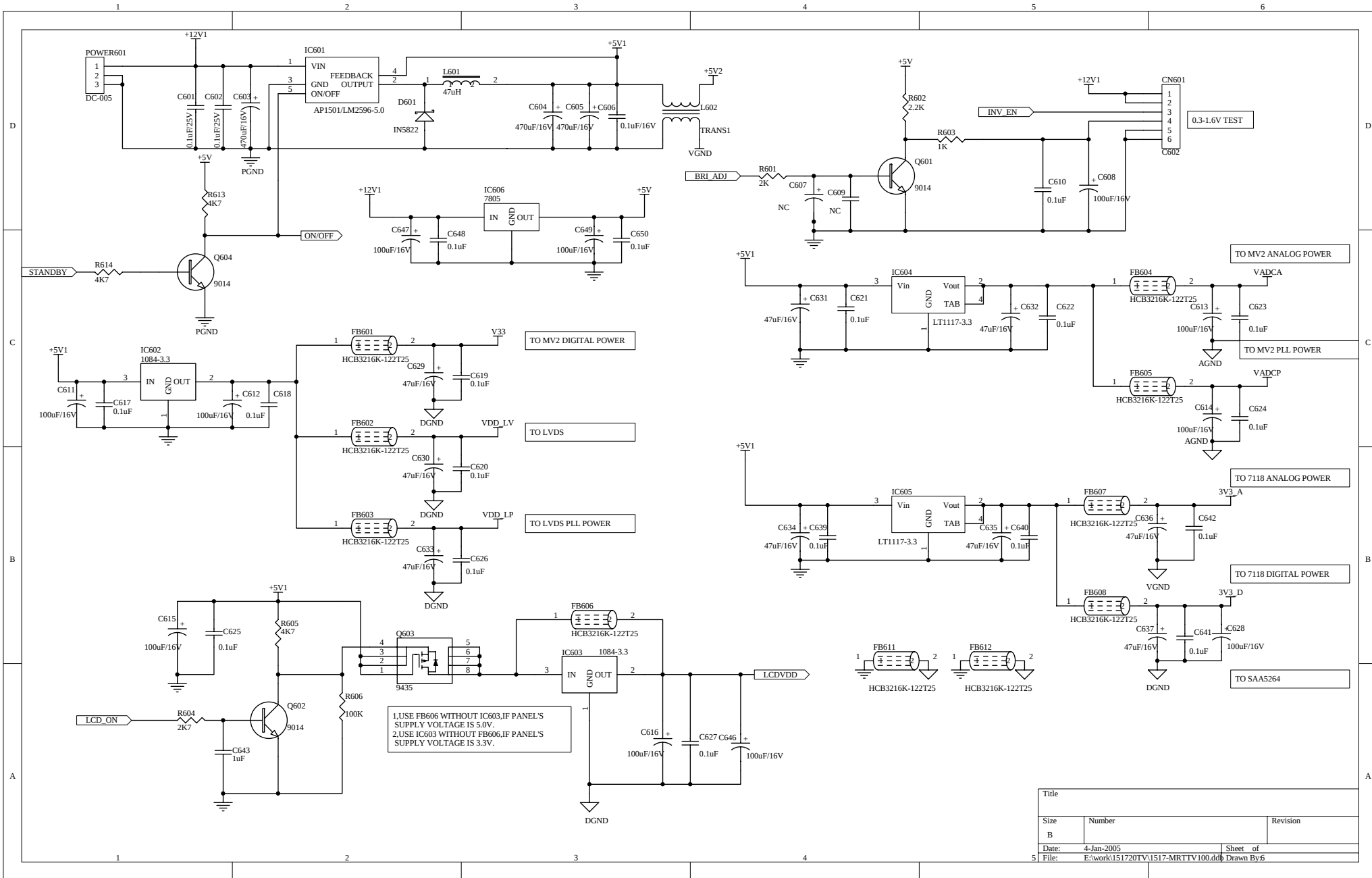


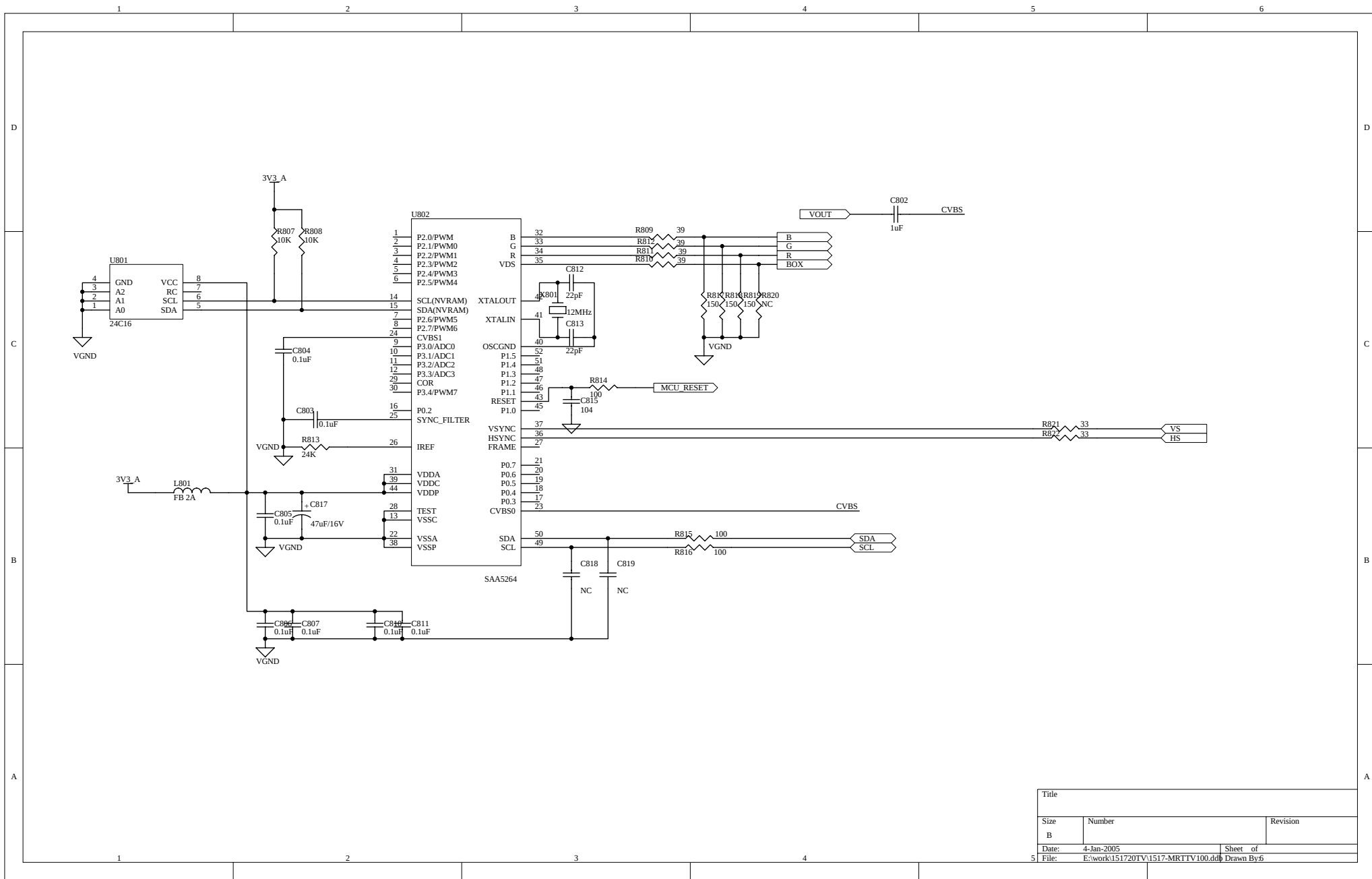
Title		
Size	Number	Revision
B		
Date:	4-Jan-2005	Sheet of
File:	E:\work\151720TV\1517-MRTTV100.ddb Drawn By:6	



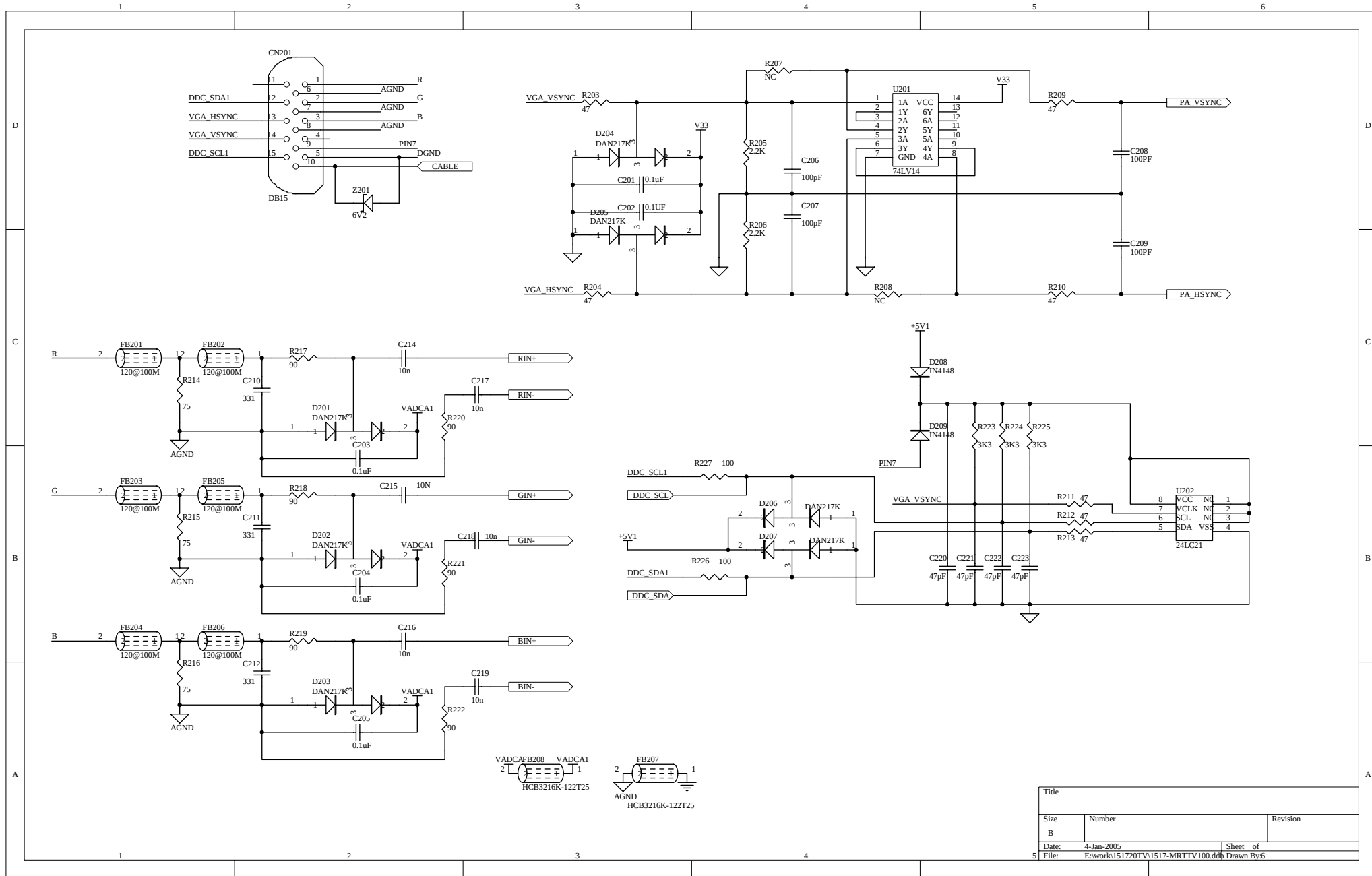
NOTES:
1, USING 15 INCH AU-S PANEL, THERE ARE NO U501 AND U502.
2, USING 17 INCH PANELS, U501 AND U502 ARE EXIST.
3, USING 20 INCH PANELS, THERE ARE NO U501 AND U502

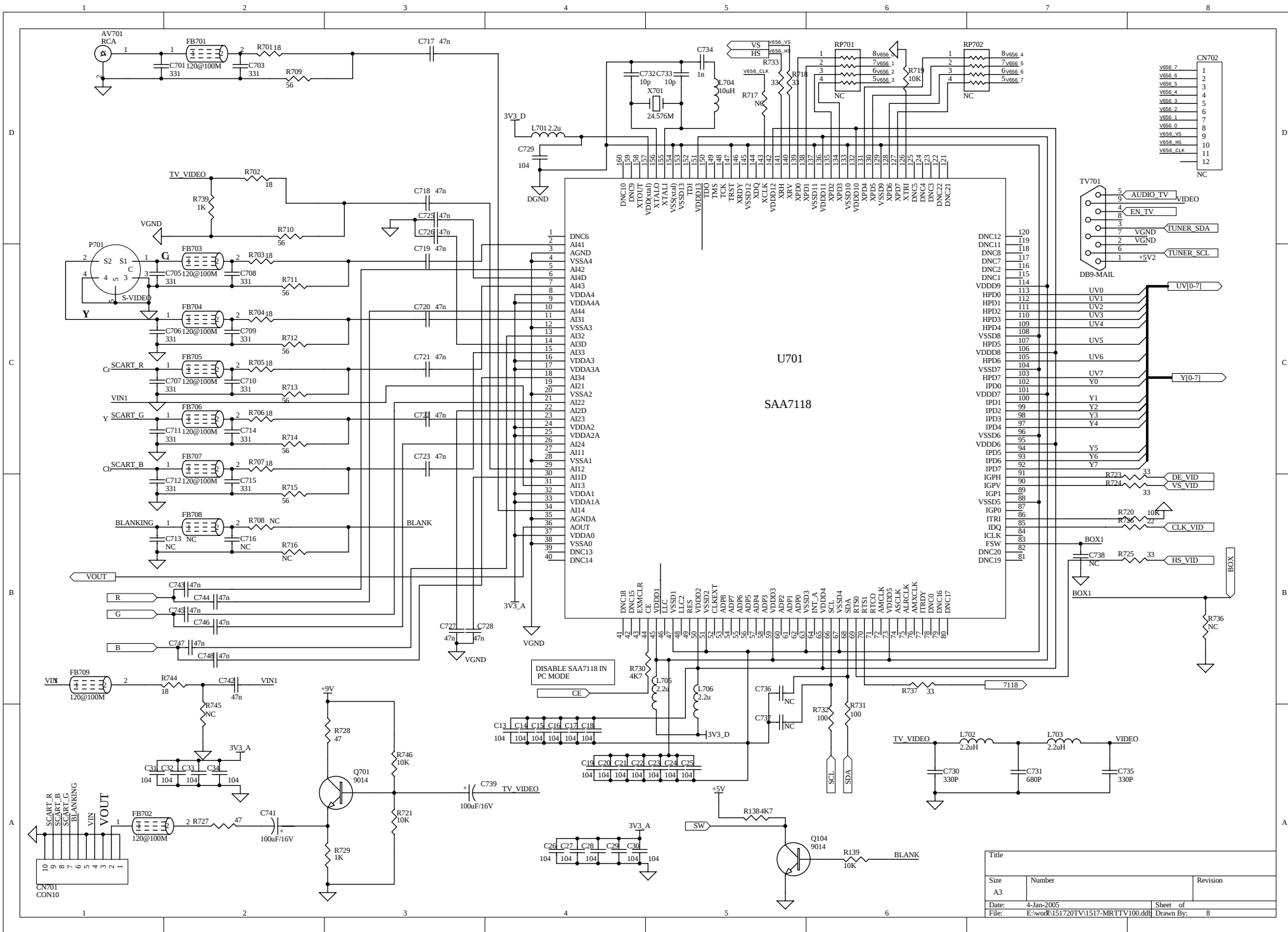
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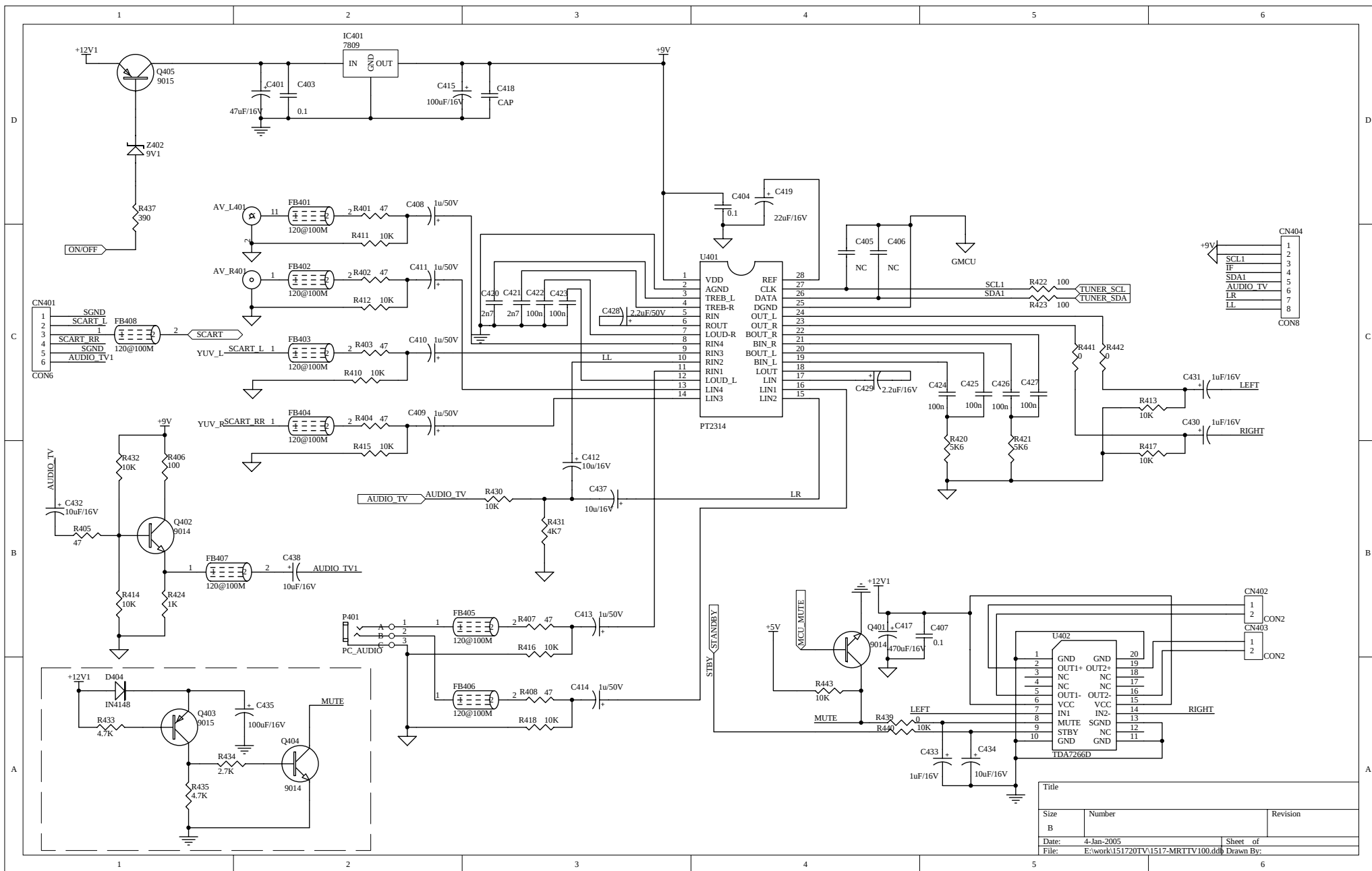


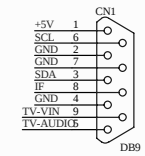
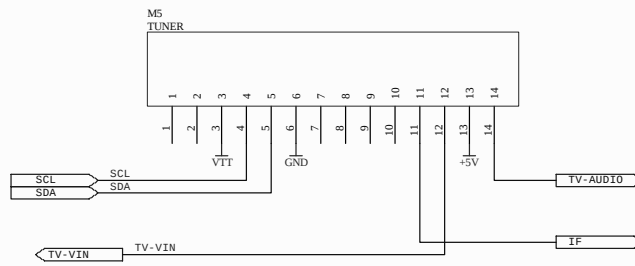
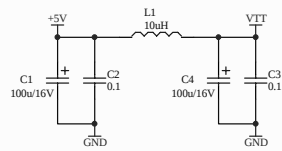
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Size	Number	Revision
B		
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File:	E:\work\151720TV\1517-MRTTV100.dwg	Drawn By:6





Title		
Size	Number	Revision
A3		
Date:	4-Jan-2005	Sheet of
File:	E:\work\151720TV\1517-MRTTV100.dtb	Drawn By: 8





		15 MAIN BOARD ASSEMBLY		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
	4041920002010	CONNECTOR, 2PIN, 2.0mm, 180° , DIP	2.000	CN402, CN403
	4041920007010	CONNECTOR, 7PIN, 2.0mm, 180° , DIP	2.000	CN401, CN102
	4041920006010	CONNECTOR, 6PIN, 2.0mm, 180° , DIP	2.000	CN601
	4041920011010	CONNECTOR, 11PIN, 2.0mm, 180° , DIP	2.000	CN101, CN701
	414101R16RM00	CAP-EL 16V-1uF-M	1.000	C433
	414110116RM00	CAP-EL 16V-100uF-M	9.000	C508, C611-C614, C646, C647, C649, C608, C508
	414110R16RM00	CAP-EL 16V-10uF-M	4.000	C101, C305, C324, C434
	414022116RM00	CAP-EL 16V-220uF-M	3.000	C636, C615, C616
	414122R16RM00	CAP-EL CD110-16V-22uF-M	1.000	C110
	414147116RM00	CAP-EL CD110-16V-470uF-M	4.000	C417, C603, C604, C605
	414147R16RM00	CAP-EL 16V-47uF-M	6.000	C629, C631, C632, C634, C635, C637, C644
	4151000006240	ZENER-DIODE, DIP 6V2 1/2W	1.000	Z201
	415201N414840	DIODE, DIP 1N4148	3.000	D101, D208, D209

	415201N582200	SCHOTTKY BARRIER DIODE IN5822 28V, 3A	1. 000	D601
	4160000901400	NPN TRANSISTOR(TO-92) PSS9014C NPN (β =200-400)	6. 000	Q102-103, 401, 601, 602, 604
	4160000901500	PNP TRANSISTOR<TO-92> PSS9015B (β =150-250)	1. 000	Q101
	417000LA78050	3-Terminal Positive Regulator<TO-220> LA7805	1. 000	IC606
	417000M806410	8-bit MTP Micro-controller<PLCC44> M8064	1. 000	U101
	4170000TL4310	Precision Adjustable Shunt Regulator<TO-18> TL431	1. 000	IC301
	41700AT24C160	16K-bit 2-WIRE SERIAL CMOS EEPROM 24C16 <DIP-8>	1. 000	U102
	4201T15010310	DC POWER JACK DC-005	1. 000	POWER601
	4202T15011910	AV CONNECTOR AV3-8. 4-19S	1. 000	P701
	4204T15010310	PHONE JACK EJ-0357-3P	1. 000	P401
	420DT15011510	D-Sub, 15 Pin, Right angle DB-15 FEMALE (BLUE)	1. 000	CN201
	420ET15010910	D-Sub, 9 Pin, 180° DB-9A FEMALE (BLACK)	1. 000	TV701
	4240000061240	CRYSTAL<49S> 12MHz (20PF, +20PPM)	2. 000	X101, X301
	4240057662410	CRYSTAL (49S) 24. 576M(20PF, 频率+20PPM)	1. 000	X701

	42903D1428110	COMMON FILTER	1.000	L602
		JLF-794-280uH		
	425T170100020	HEAT SINK	1.000	U402
	42902154411R0	Φ12.7 COIL INDUCTOR	1.000	FB607
		JCI-1544-11uH		
	405T150105310	1517-MRTTV100.PCB	1.000	PCB
	412700R01AJ80	CHIP RES 0603	3.000	R319-R320, R317
		1/10W-0Ω-J		
	412701011AJ80	CHIP RES 0603	6.000	R120, R121, R226, R227, R731, R732
		1/10W-100Ω-J		
	412701021AJ80	CHIP RES 0603	6.000	R122, R123, R132, R306, R603, 739
		1/10W-1K-J		
	412701031AJ80	CHIP RES 0603	7.000	R103, R307, R308, R440, R719-R720, R443
		1/10W-10K-J		
	412701041AJ80	CHIP RES 0603	3.000	R101, R102, R606
		1/10W-100K-J		
	412701051AJ80	CHIP RES 0603	2.000	R106, R321
		1/10W-1M-J		
	412701521AJ80	CHIP RES 0603	1.000	R309
		1/10W-1K5-J		
	4127018R1AJ80	CHIP RES 0603	7.000	R701, R703-707, R744,
		1/10W-18Ω-J		
	412702021AJ80	CHIP RES 0603	1.000	R601
		1/10W-2K-J		
	412702221AJ80	CHIP RES 0603	3.000	R205, R206, R602
		1/10W-2.2K-J		
	4127022R1AJ80	CHIP RES 0603	5.000	R311-R313, R322, R726
		1/10W-22Ω-J		

	412702721AJ80	CHIP RES 0603 1/10W-2.7K-J	3.000	R119, R604, R130
	412702731AJ80	CHIP RES 0603 1/10W-27K-J	1	R439
	412703321AJ80	CHIP RES 0603 1/10W-3.3K-J	3.000	R223-R225
	4127033R1AJ80	CHIP RES 0603 1/10W-33 Ω -J	18.000	R124-R129, R134-R137, R301, R718, R723-R725, R733, R737, R302
	412703921AJ80	CHIP RES 0603 1/10W-3.9K-J	1.000	R710
	412704721AJ80	CHIP RES 0603 1/10W-4.7K-J	17.000	R702, R104, R107-112, 115-118, 605, 613, 614, 730, R133
	4127047R1AJ80	CHIP RES 0603 1/10W-47 Ω -J	8.000	R131, 203, 204, R209-R213
	412705111AJ80	CHIP RES 0603 1/10W-510 Ω -J	4.000	R303-R305, R323
	412705121AJ80	CHIP RES 0603 1/10W-5.1K-J	1.000	R105
	4127056R1AJ80	CHIP RES 0603 1/10W-56 Ω -J	6.000	R709, R711-R715
	4127075R1AJ80	CHIP RES 0603 1/10W-75 Ω -J	3.000	R214-R216
	412708221AJ80	CHIP RES 0603 1/10W-8K2-J	1.000	R310
	4127091R1AJ80	CHIP RES 0603 1/10W-91 Ω -J	6.000	R217-R222
	413510150RJ60	CHIP CAP 0603 50V-100P-J NPO	2.000	C208, C209
	413510250RK60	CHIP CAP 0603	2.000	C316, C317

		50V-102-K		
	413510350RK60	CHIP CAP 0603	6.000	C214-219
		50V-10nF-K		
	413510425RZ60	CHIP CAP 0603	73.000	C1-20, C22, C23, 25-31, 33, 34, C111-120, C201-205, 301-304, 323, 601, 602
		25V-100nF-Z		606, 610, 617-627, 639-642, 648, 650, 729
	413510510RZ60	CHIP CAP 0603	4.000	C105, C106, C307, C643, C306, C104
		10V-105-Z		
	413515150RK60	CHIP CAP 0603	1.000	C308
		50V-151-K		
	413522R50RJ60	CHIP CAP 0603	4.000	C320, C325, C326, C327
		50V-22pF-J		
	413533150RK60	CHIP CAP 0603	14.000	C701, C703, C705-C712, C714, 715, C730, C735
		50V-330P-K		
	413539R50RJ60	CHIP CAP 0603	7.000	C107, C108, C318, C319, C109, 732, 733
		50V-39P-J		
	413547250RK60	CHIP CAP 0603	3.000	C313-C315
		50V-472-K		
	413547350RK60	CHIP CAP 0603	19.000	C309, C717-C723, C725-C728, C742-C748
		50V-473-K		
	413547R50RJ60	CHIP CAP 0603	4.000	C220-C223
		50V-47pF-J		
	413568150RK60	CHIP CAP 0603	1.000	C731
		50V-680P-K		
	415200BAV9960	DIODE (SOT-23B)	7.000	D201-D207
		BAV99		
	4160000943500	P-CHANNEL MOS (SO-8)	1.000	Q603
		9435		
	417AT17965010	STEP-DOWN SWITCHING REGULATOR	1.000	IC601
		AT1796-50 150KHz, 3A , TO-263		

	417024LC21A00	1K 2.5V DUAL .ODE IIC SERIAL EEPROM 24LC21A SO-8	1.000	U202
	4170074LV1440	HEX SCHMITT-TRIGGER INVERTERS<S014> 74LV14	1.000	U201
	41700TDA7266D	5+5 DUAL BRIDGE AMPLIFIER (S020) TDA7266D	1.000	U402
	41700AMS11170	800mA Low-Dropout Linear Regulator AMS1117-3.3V SOT-223	2.000	IC604, IC605
	417AZ1084S3V3	5 Amp Low Dropout Positive Voltage Reg AZ1084S-3.3V TO-263	1.000	IC602
	417MASCOTV200	IC<PQFP> Mascot V2	1.000	U301
	417SAA7118H00	Multistandard video decode (PQFP) SAA7118H	1.000	U701
	4209000004410	SOCKET PLCC44	1.000	U101
	42833R0082010	RES 33 Ω*4	10.000	RP7-RP16
	4284720082010	RES 4K7*4	1.000	RP101
	429042R2J7020	INDUCTOR 2.2uH 2.5A	3.000	L701, L705, L706
	429042R2J8010	CHIP INDUCTOR 0603 2.2uH	2.000	L702, L703
	4290447RJA010	INDUCTOR (贴片) 47uH, 2.5A	1.000	L601
	4290512106010	CHIP BEAD 0805 120 OHM@100MHz	13.000	FB201-FB206, FB701, FB703-FB707, FB709

	4290512207020	CHIP BEAD 1206	5. 000	FB207, 302, 301, 604, 605
		HCB3216K-122T10		
	4290512207030	CHIP BEAD 1206	2. 000	FB601, FB608, FB607
		HCB3216K-122T25		
	4290550108010	CHIP BEAD 0603	1. 000	FB208
		500 OHM@100MHz		
				《END》

		15 INVERTER(15" AU PANEL)		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
..2	4042920006010	CONNECTER, 6PIN, 2.0mm, 90° , DIP	1.000	CN1
..2	413010R302J00	HIGH VOLTAGE CAP 3KV-10p-J	4.000	C9, C14, C18, C23
..2	414110125RM00	CAP-EL (105℃) CD11HL 25V-100uF-M	2.000	C19, C10
...3	4042940004010	SOCKET SM04 (4.0) B-BHS-1-TB	2.000	CN2A, CN3A
...3	405T150105210	1517INVERTER100.PCB 2004.06.28	1.000	40MM*140MM
...3	411SIT0931A00	TRANSFORMER SIT18130-0931A	4.000	T1-T4
...3	412701031AF80	CHIP RES 0603 1/10W-10K-F	1.000	R13
...3	412701031AJ80	CHIP RES 0603 1/10W-10K-J	16.000	R6, R8, R12, R14, R19, R26, R30. R37-R41, R43, R44, R48, R49
...3	412701041AJ80	CHIP RES 0603 1/10W-100K-J	5.000	R15, R16, R22, R27, R33
...3	412701051AJ80	CHIP RES 0603 1/10W-1M-J	1.000	R42
...3	412701231AJ80	CHIP RES 0603 1/10W-12KΩ-J	2.000	R9 R47
...3	412701511AJ80	CHIP RES 0603 1/10W-150Ω-J	4.000	R17, R23, R28, R34
...3	412702031AJ80	CHIP RES 0603	1.000	R3

		1/10W-20K-J		
...3	412702041AJ80	CHIP RES 0603 1/10W-200K-J	2.000	R7, R11
...3	412702731AJ80	CHIP RES 0603 1/10W-27K-J	1.000	R5
...3	412703311AJ60	CHIP RES 0805 1/10W-330 Ω -J	1.000	R1
...3	412703011AJ80	CHIP RES 0603 1/10W-300 Ω -F	2.000	R24, R35
...3	412703321AJ80	CHIP RES 0603 1/10W-3.3K-J	2.000	R50, R46
...3	412703911AJ80	CHIP RES 0603 1/10W-390 Ω -J	4.000	R18, R25, R29, R36
...3	4127039R1AJ80	CHIP RES 0603 1/10W-39 Ω -J	4.000	R20, R21, R31, R32
...3	412704321AJ80	CHIP RES 0603 1/10W-4.3K-J	2.000	R10, R2
...3	412704331AJ80	CHIP RES 0603 1/10W-43K-J	1.000	R45
...3	413510350RK60	CHIP CAP 0603 50V-10nF-K	9.000	C7, C26, C27, C28, C29, C31, C32, C34, C35
...3	413510425RZ60	CHIP CAP 0603 25V-100nF-Z	5.000	C1, C2, C4, C6, C30
...3	413510450RZ60	CHIP CAP 0603 50V-0.1 μ F-Z	4.000	C8, C13, C17, C22
...3	413522150RJ60	CHIP CAP 0603 50V-220pF-J	5.000	C33, C11, C15, C20, C24
...3	413533250RK60	CHIP CAP 0603 50V-3.3nF-K	4.000	C12, C16, C21, C25

...3	413547250RK60	CHIP CAP 0603 50V-472-K	1.000	C5
...3	413547450RZ60	CHIP CAP 0603 50V-470nF-Z	1.000	C3
...3	4151MMSZ5V660	ZENER DIODE MMSZ5V6	1.000	D1
...3	415200BAV7060	DIODE S0-23 BAV70	5.000	D2-D5, D18
...3	415200BAW5660	DIODE S0-23 BAW56	4.000	D7, D8, D13, D16
...3	415201N414870	DIODE	8.000	D6, D9, D10, D12, D14, D15, D17, D11
...3	41600BC847A20	TRANSISTOR BC847A	6.000	Q1, Q3-Q7
...3	416MMBT290720	TRANSISTOR MMBT2907A	1.000	Q2
...3	417S000LM3930	IC(S0-8) LM393M	1.000	U4
...3	417016911PW10	IC(TSSOP) LX1691CPW/IPW	1.000	U1
...3	41609945AEY10	MOS FET Si9945AEY	2.000	U2, U3
...3	42225005000T0	FUSE F5A, 1206	1.000	F1
				《END》

		15-20" TUNER ASSEMBLY		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
	405T150105700	TURNER. PCB 91*63.4mm	1.000	PCB
	413210450RZ00	CAP 50V-104-Z	2.000	C2, C3
	414133R10RM00	CAP-EL CD110-10V-33uF-M	2.000	C1, C4
	420ET15010920	D-Sub, 9 Pin, 180° DB-9A MAIL (BLACK)	1.000	CN1
	429EC041010R0	COIL INDUCTOR 10uH 500mA	1.000	L1
	4320006000500	JUMPER 5mm	2.000	J4, J5
	4320006001000	JUMPER 10mm	1.000	J1
	442JS6B212110	TUNER JS-6B2/121 (PAL/SECAM-LL')	1.000	TUNER
	4320006000750	JUMPER 7.5mm	1.000	J3
	4320006001250	JUMPER 12.5mm	1.000	J2
				《END》

		1501KEYBOARD ASSEMBLY		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
	40300T1701000	SWITCH	7. 000	P+, P-, V-, V+, MENU, SOURCE, POWER
		6*6*5mm		
	4041920011010	CONNECTER, 11PIN, 2. 0mm, 180° , DIP	1. 000	CON1
		TJC4-11Y		
	405T150105110	TVM1501KEY. PCB	1. 000	PCB
	410A010300020	LED<DIP>	1. 000	LED
		COMMON CATHODE (RED&GREEN)		
	415201N414840	DIODE DIP	2. 000	D1, D2
		1N4148		
	4300KSM603LM0	INFRERED SENSOR (CSC9900)	1. 000	REMOUT
		KSM-603LM (MT2) \GPLUV701QS		
				《END》

	15" SCART ASSEMBLY (WITHOUT NICAM)			
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
..2	4041920006010	CONNECTOR 6PIN PIH=2.0mm	1.000	CN1
..2	4041920010010	CONNECTOR 10PIN PIH=2.0mm	1.000	CN2
..2	405T150105410	1517SCART.PCB 04/06/22	1.000	SCART PCB BOARD
..2	420BT15012110	SCART SOCKET RC-2105	1.000	CN3
..2	4320006000500	JUMPER 5mm	3.000	J1, J2, J3
		COMPONENTS IN MAIN BOARD ABOUT SCART		
	414110R16RM00	CAP-EL 16V-10uF-M	2.000	C432, C438
	4160000901400	NPN TRANSISTOR (TO-92) PSS9014C NPN (β =200-400)	4.000	Q104, Q105, Q402, Q701
	414110116RM00	CAP-EL<RB. 2/. 5> (DL:6*8) 16V-100uF-M	1.000	C739
	414022116RM00	CAP-EL 16V-220uF-M	1.000	C741
	4127047R1AJ80	CHIP RES 0603 1/10W-47 Ω -J	3.000	R405, R728, R727
	412701031AJ80	CHIP RES 0603	7.000	R721, R432, R414, R746, R139, R141, R142

		1/10W-10K-J		
	412701011AJ80	CHIP RES 0603	1. 000	R406
		1/10W-100 Ω -J		
	412701021AJ80	CHIP RES 0603	1. 000	R424
		1/10W-1K-J		
	4290512106010	CHIP BEAD 0805	4. 000	FB407, FB702, FB408, FB708
		120 OHM@100MHz		
	4127056R1AJ80	CHIP RES 0603	1. 000	R745
		1/10W-56 Ω -J		
	412702021AJ80	CHIP RES 0603	1. 000	R140
		1/10W-2K-J		
	412700R01AJ80	CHIP RES 0603	2. 000	R113, R708
		1/10W-0 Ω -J		
	4127075R1AJ80	CHIP RES 0603	1. 000	R716
		1/10W-75 Ω -J		
	412704721AJ80	CHIP RES 0603	1. 000	R138
		1/10W-4. 7K-J		
	412704711AJ80	CHIP RES 0603	1. 000	R729
		1/10W-470 Ω -J		
				《END》

		15" AU PALEL		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
	420FT15013000	SOCKET	1.000	CN503
		30PIN PIH=0.5		
	420FT15014510	SOCKET	1.000	CN502
		45PIN PIH=0.5		
	417AZ1084S3V3	IC(TO-263)	1.000	IC603
		AZ1084S-3.3V		
	413510425RZ60	CHIP CAP	4.000	C501, C503, C505, C506
		25V-100nF-Z		
	4290512207020	CHIP BEAD	3.000	L501
		HCB3216K-122T10		
				《END》

		SOUND (WITHOUT NICAM)		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
...	3	412703911AJ80	CHIP RES 0603 1/10W-390 Ω-J	1.000 R437
...	3	413510425RZ60	CHIP CAP 0603 25V-100nF-Z	3.000 C403, C404, C407
...	3	4290512106010	CHIP BEAD 0805 120 OHM@100MHz	6.000 FB401-FB406
...	3	4127047R1AJ80	CHIP RES 0603 1/10W-47 Ω-J	6.000 R401-R404, R407, R408
...	3	412701031AJ80	CHIP RES 0603 1/10W-10K-J	8.000 R410-R413, R415-418
...	3	412700R01AJ80	CHIP RES 0603 1/10W-0 Ω-J	1.000 R430, R441, R442
...	3	412701011AJ80	CHIP RES 0603 1/10W-100 Ω-J	2.000 R422, R423
...	3	412705621AJ80	CHIP RES 0603 1/10W-5K6-J	2.000 R420, R421
...	3	41700PT2314L0	IC<S0-28> PT2314	1.000 U401
..	2	415100009V140	ZENER DIODE DIP 9V1 0.5W	1.000 Z402
..	2	4160000901500	PNP TRANSISTOR<T0-92> PSS9015B (β=150-250)	1.000 Q405
..	2	414147R16RM00	CAP-EL Φ5*7 16V-47uF-M	1.000 C401

..2	414110116RM00	CAP-EL<RB. 2/. 5> (DL:6*8)	1. 000	C415
		16V-100uF-M		
..2	414101R16RM00	CAP-EL<RB. 2/. 5>	8. 000	C408-C411, C413, C414, C430, C431
		16V-1uF-M		
..2	413127225RK00	CAP-FILM	2. 000	C420, C421
		25V-2n7-K		
..2	413110425RK00	CAP-FILM	6. 000	C422-C427
		25V-104-K		
..2	41412R216RM00	CAP-EL<RB. 2/. 5>	2. 000	C429, C428
		16V-2. 2uF-M		
..2	414110R16RM00	CAP-EL	2. 000	C412, C437
		16V-10uF-M		
..2	414122R16RM00	CAP-EL ϕ 5*11	1. 000	C419
		CD110-16V-22uF-M		
..2	417000078L090	IC (T0-92)	1. 000	IC401
		78L09		
				《END》

		TELETEXT ASSEMBLY		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
	412701031AJ80	CHIP RES 0603 1/10W-10K-J	2.000	R807, R808
	412702431AJ80	CHIP RES 0603 1/10W-24K-J	1.000	R813
	4127039R1AJ80	CHIP RES 0603 1/10W-39 Ω -J	4.000	R809-R812
	412701511AJ80	CHIP RES 0603 1/10W-150 Ω -J	3.000	R817-819
	412701011AJ80	CHIP RES 0603 1/10W-100 Ω -J	3.000	R814, R815, R816
	4127033R1AJ80	CHIP RES 0603 1/10W-33 Ω -J	2.000	R821, R822
	413510425RZ60	CHIP CAP 0603 25V-100nF-Z	7.000	C803-807, 810-811
	413510510RZ60	CHIP CAP 0603 10V-105-Z	1.000	C802
	413522R50RJ60	CHIP CAP 0603 50V-22pF-J	2.000	C812, C813
	4290512207030	CHIP BEAD 1206 HCB3216K-122T25	1.000	L801
	417S0AT24C160	IC AT24C16 S08M1	1.000	U801
	417005264PS10	IC (DIP) SAA5264PS/M3/0104	1.000	U802

	417S0AT24C160	IC AT24C16 S08	1. 000	U801
	4240000061240	CRYSTAL<49S>	1. 000	X801
		12MHz (20PF, +-20PPM)		
	414110116RM00	CAP-EL<RB. 2/. 5> (DL:6*8)	1. 000	C817
		16V-100uF-M		
				《END》

		1501 NO COMMON PART		
	DATE: 2004-09-09			
	PART NO.	DESCRIPTION	QTY	LOCATION
. 1	704T1501B0020	REMOTE CONTROLLER	1. 000	
		RM612		
. 1	40910T2001PW0	POWER CORD	1. 000	
. 1	437T150100030	FFC WIRE	1. 000	H502
		0. 5mm 45PIN		
. 1	437T150100040	FFC WIRE	1. 000	H503
		0. 5mm 30PIN		
. 1	419T1501TTL10	15' ' TFT PANEL	1. 000	AU PANEL
		AU		
. 1	437T150100020	WIRE(10P-11P, 2. 0) (2468 26#)	1. 000	10P, 2. 0)H701
		MTV-1501SCART VIDEO WIRE (50mm)		
. 1	437T150100050	WIRE(6P, 2. 0) (2468AWG 26#)	1. 000	6P, 2. 0)H401
		MTV-1501SCART AUDIO WIRE (50mm)		
. 1	437T150100060	WIRE(11P, 2. 0) (2547AWG28#)	1. 000	H107
		1501, 1701 KEYBOARD WIRE (250mm)		
. 1	437T150100070	WIRE (6P, 2. 0) (2547AWG24#)	1. 000	(6P, 2. 0)H601
		MTV-1501 INVERTER WIRE(200mm)		
				《END》

		15 ADAPTER		
DATE: 2004-09-09				
	PART NO.	DESCRIPTION	QTY	LOCATION
..2	4105010300010	DIODE	1.000	LED
..2	411BCK2960A10	TRANSISTOR (PQ26)	1.000	T1
		BCK-PQ26-2960A		
..2	4129005R01J20	NTC RES	1.000	NTC
		MWF22-5D-9 (5 Ω , 3A)		
..2	412A07D471K01	PIEZORESISTANCE	1.000	MOV1
		HEL-7D471K DIP		
..2	412BR01205J00	COPPER WIRE	1.000	RM1
		5W-0.012 Ω +-5%		
..2	4130152102K00	HIGH VOLTAGE CAP	1.000	C14
		CC1-1000V-152-K		
..2	4130682102K00	HIGH VOLTAGE CAP	1.000	C13
		CC1-1000V-682-K		
..2	4136104271K02	CAP	1.000	C4
		AC275V-104-K		
..2	4136332251K02	CAP	1.000	C22
		AC250V-332-K		
..2	4136684271K02	CAP	1.000	C1
		AC275V-684-K		
..2	4140101451M00	CAP	1.000	C3
		CD11G-450V-100u-M		
..2	414010225RM0A	CAP-EL	3.000	C15, C16, C17
		CD288H-25V-1000u-M 105°		
..2	414047R50RM0A	CAP-EL	1.000	C6
		CD288H-50V-47u-M		

..2	415301N400740	DIODE 1N4007	1.000	D1
..2	41530UF400740	DIODE UF4007	1.000	D2
..2	4153MBR20100C	DIODE MBR20100CT T0-220	1.000	D4
..2	415400RS40610	BRIDGE 3A 600V (RS406)	1.000	BD1
..2	41600BT169D00	Silicon Controlled Rectifier BT169D	1.000	Q3
..2	4160010N60B00	MOSFET SSS7N60B T0-220	1.000	Q1
..2	41700000P6210	IC (DIP) PC817	1.000	IC4
..2	4170000TL4310	IC<T0-92> TL431	1.000	IC2
..2	4200UC3843010	AC CONNECTER SS-120-PCB-2.0AC1	1.000	
..2	4222500250210	FUSE 2.5A/AC250V	1.000	F1
..2	4290303073010	FILTER LBUU10.5-30730	1.000	L2
..2	4290303073110	DIFFERENTIAL T50-26-30731	1.000	L4
..2	4290303073210	COMMON FILTER T14*9*5-30732	1.000	L1
..2	4320006000750	JUMPER 7.5mm	1.000	J2

..2	4320006001000	JUMPER	2.000	J3, J4
		10mm		
..2	437T150100090	GROUND WIRE	1.000	
		50mm		
..2	437UC38430020	DC LINE	1.000	1.5m
		KXD-31 (1450mm)		
...3	405T150105000	PCB	1.000	
		PCB (UC3843POWER. PCB)		
...3	412700R014J70	CHIP RES 1206	1.000	R9
		1/4W-0Ω-J		
...3	4127010114J70	CHIP RES 1206	1.000	R17
		1/4W-100Ω-J		
...3	412701021AJ60	CHIP RES 0805	2.000	R5, R29
		1/10W-1K-J		
...3	412701031AJ60	CHIP RES 0805	4.000	R7, R8, R19, R21
		1/10W-10K-J		
...3	4127010414J70	CHIP RES 1206	8.000	R14A, 14B, 14C, 14D, 3A, 3B, 3C, 3D
		1/4W-100K-J		
...3	4127010514J70	CHIP RES 1206	1.000	R10
		1/4W-1M-J		
...3	412701231AJ60	CHIP RES 0805	4.000	R18, R23, R26, R27
		1/10W-12K-J		
...3	412701531AJ60	CHIP RES 0805	1.000	R30
		1/10W-15K-J		
...3	412701R514J70	CHIP RES 1206	3.000	R13A, R13B, R13C
		1/4W-1.5R-J		
...3	4127022R14J70	CHIP RES 1206	1.000	R4
		1/4W-22Ω-J		
...3	4127027214J70	CHIP RES 1206	2.000	R31, R33

		1/4W-2.7K-J		
...3	412730911AF60	CHIP RES 0805	1.000	R25
		1/10W-3.09K-F		
...3	412703931AJ60	CHIP RES 0805	1.000	R28
		1/10W-39K-J		
...3	4127047414J70	CHIP RES 1206	3.000	R1, R2, R11
		1/4W-470K-J		
...3	4127047R14J70	CHIP RES 1206	2.000	R22A, R22B
		1/4W-47Ω-J		
...3	412704R714J70	CHIP RES 1206	1.000	R15
		1/4W-4.7Ω-J		
...3	4127056114J70	CHIP RES 1206	1.000	R32
		1/4W-560Ω-J		
...3	412707511AJ60	CHIP RES 0805	1.000	R12
		1/10W-750Ω-J		
...3	413510150RJ40	CHIP CAP 0805	3.000	C8, C11, C19
		50V-100P-J		
...3	413510250RK40	CHIP CAP 0805	2.000	C10, C20
		50V-102-K		
...3	413510450RZ40	CHIP CAP 0805	2.000	C7, C9
		50V-104-Z		
...3	413510516RZ40	CHIP CAP 0805	1.000	C21
		16V-105-Z		
...3	413522250RK40	CHIP CAP 0805	1.000	C12
		50V-222-K		
...3	413547150RK40	CHIP CAP 0805	1.000	C18
		50V-470P-K		
...3	4151LL55C1360	ZENER DIODE (SMT)	1.000	Z02
		LL55C13V		

...3	4151LL55C1860	ZENER DIODE (SMT)	1.000	Z01
		LL55C18V		
...3	415201N414870	DIODE	3.000	D03, D06, D07
		IN4148		
...3	4170000LM3580	IC (S0-8)	1.000	IC3
		LM358		
...3	417000UC38430	IC (S0-8)	1.000	IC1
		UC3843 (CM3843)		
..2	305UC38430320	GROUND	2.000	
				《END》