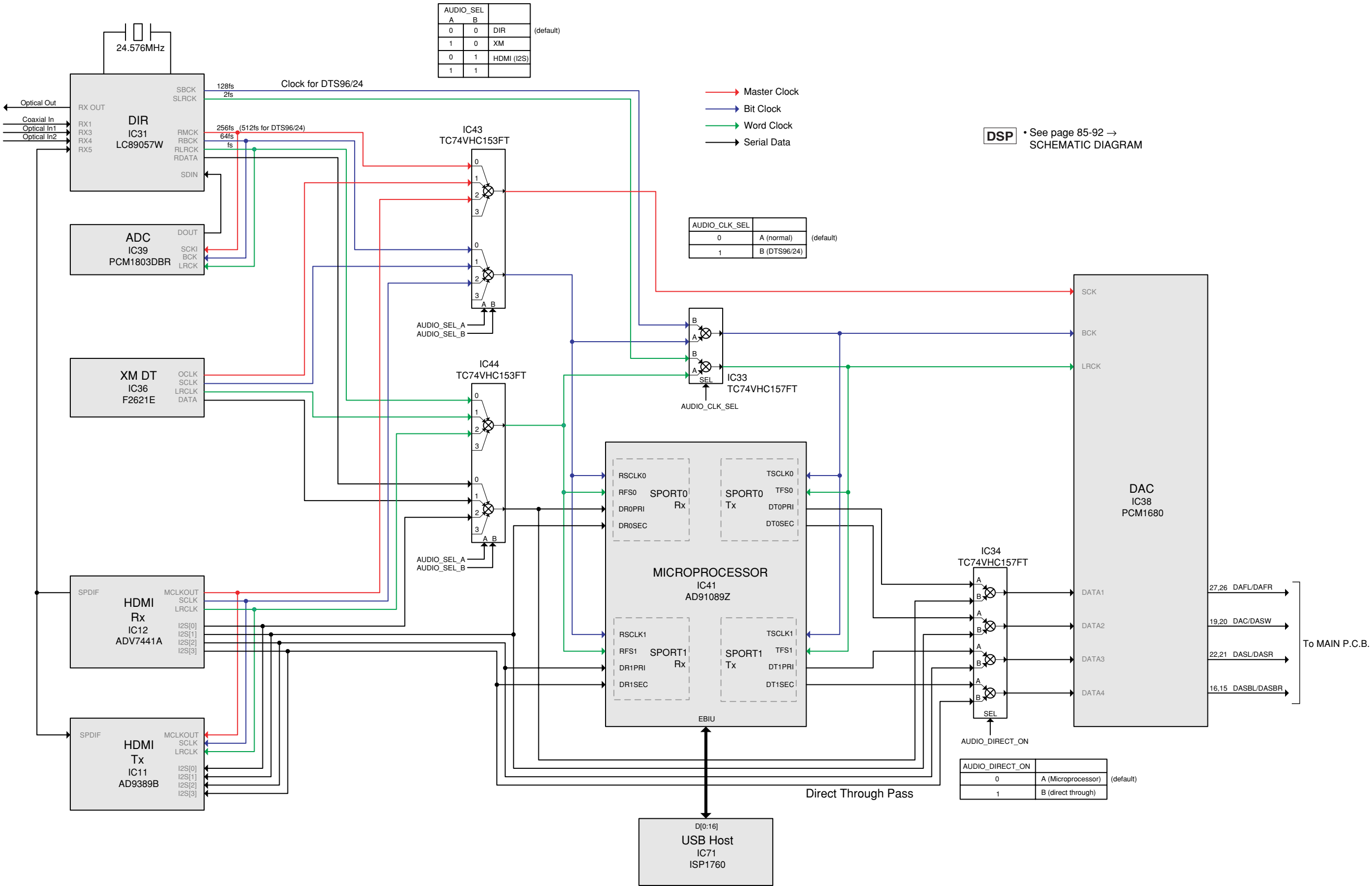


1
2
3
4
5
6
7

■ BLOCK DIAGRAMS

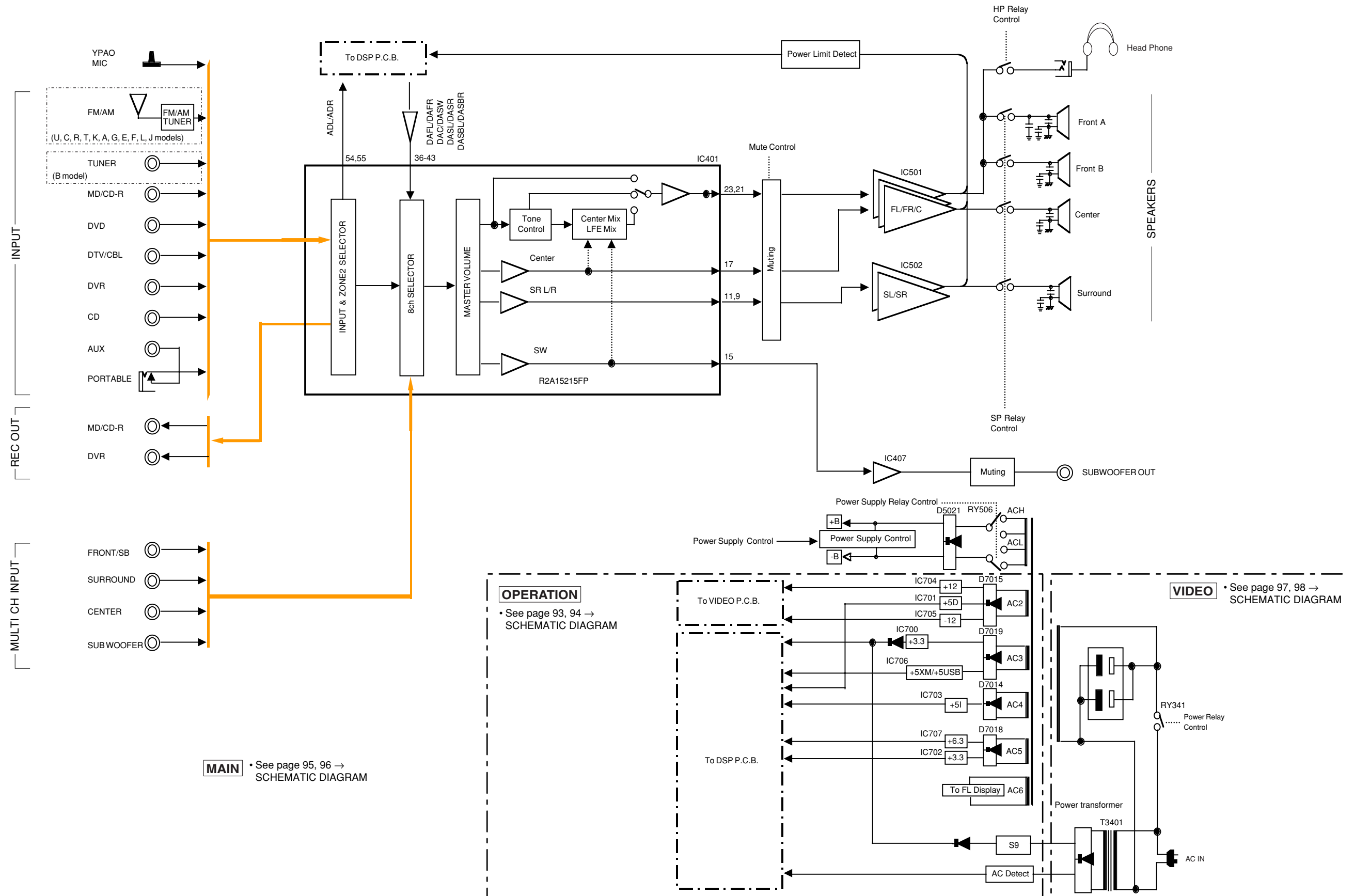


DSP CONTROL SECTION BLOCK DIAGRAM

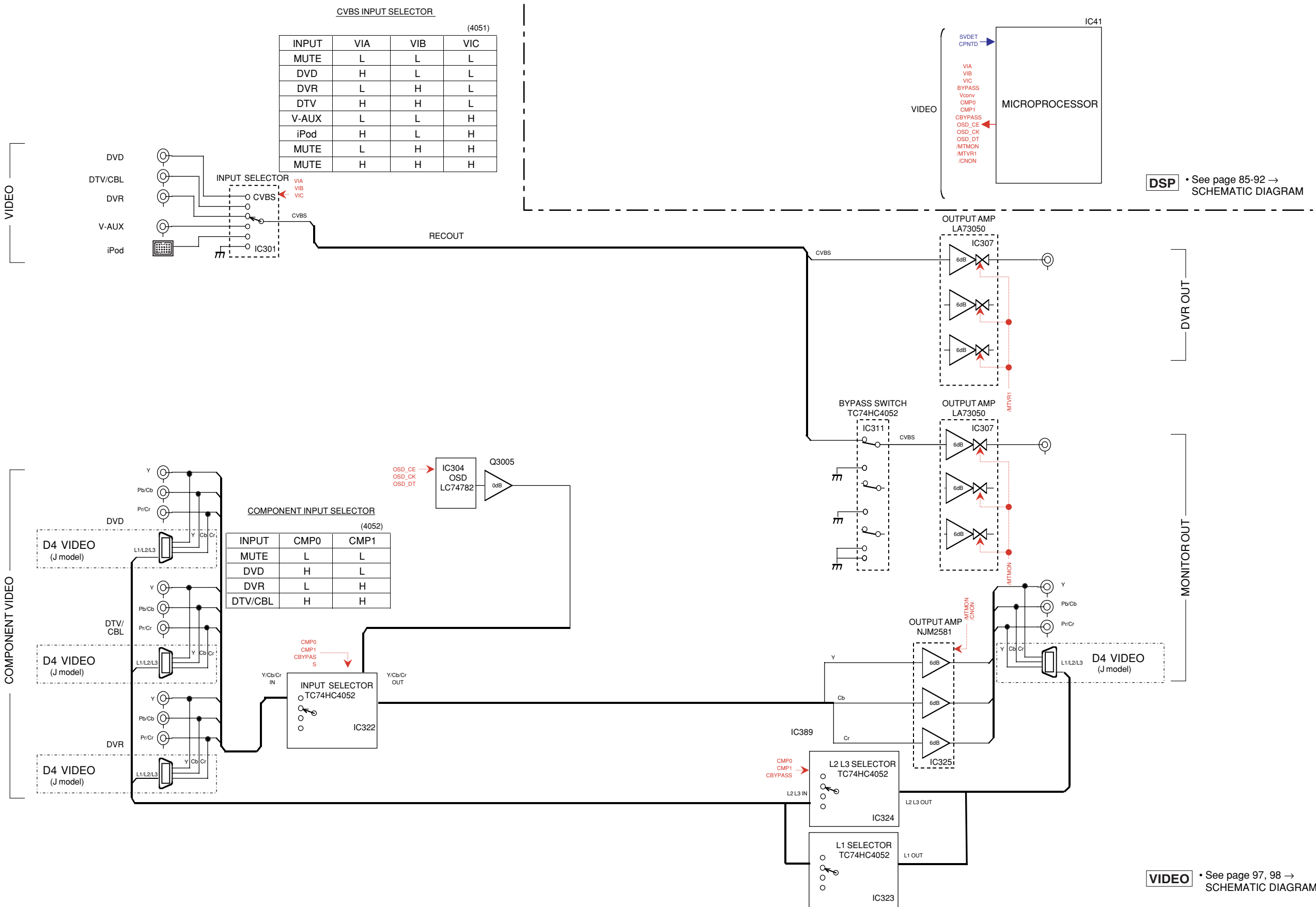


See page 85-92 → SCHEMATIC DIAGRAM

AUDIO (ANALOG) / POWER SUPPLY SECTION BLOCK DIAGRAM



VIDEO SECTION BLOCK DIAGRAM



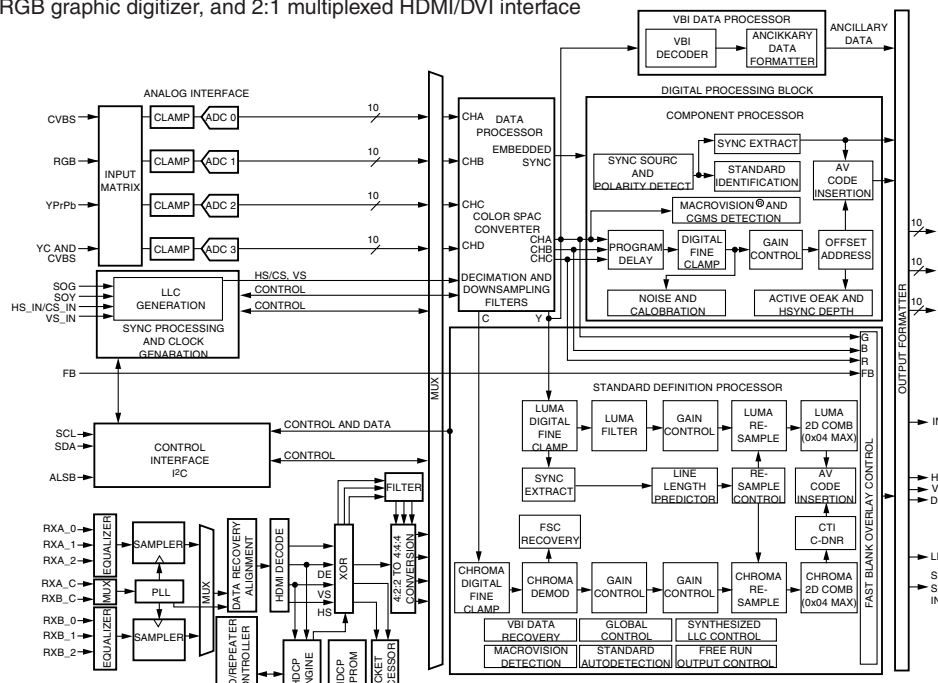
DSP • See page 85-92 → SCHEMATIC DIAGRAM

VIDEO • See page 97, 98 → SCHEMATIC DIAGRAM

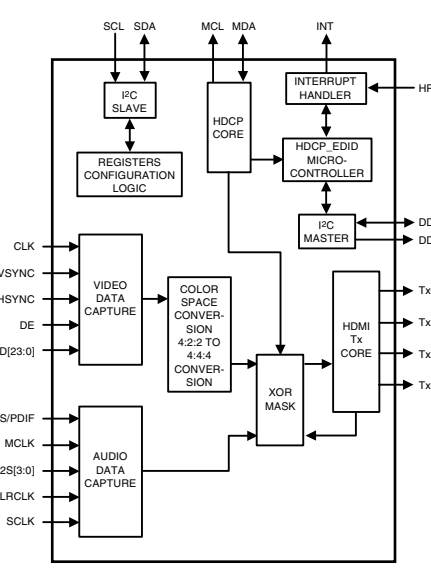
SCHEMATIC DIAGRAMS
DSP 1/8

RX-V463/HTR-6140/DSP-AX463

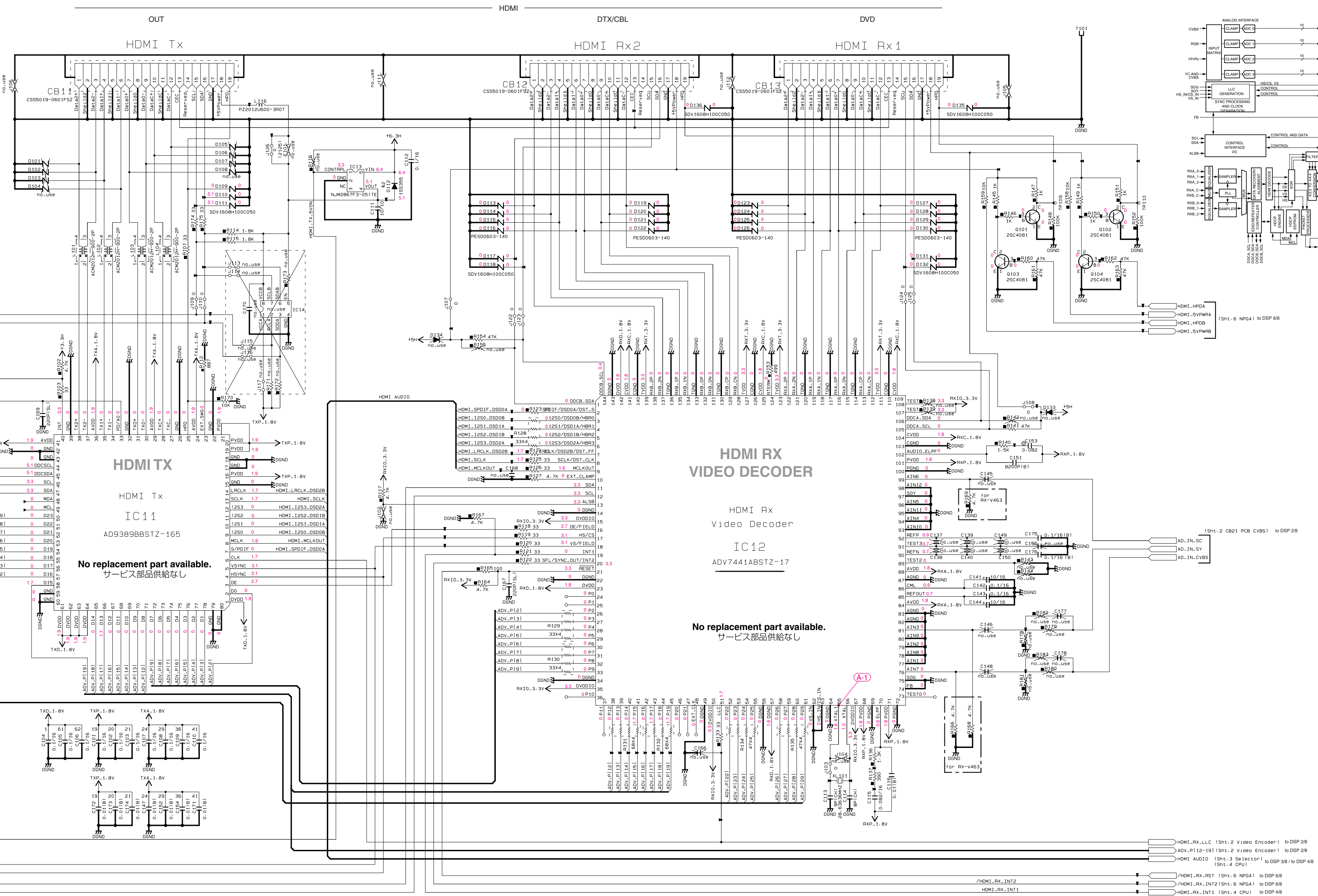
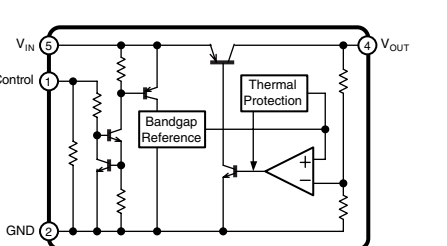
IC12: ADV7441ABSTZ-170
10-bit, integrated, multifunction SDTV/HDTV video decoder,
RGB graphic digitizer, and 2:1 multiplexed HDMI/DVI interface



IC11: AD9389BBSTZ-165
High performance HDMI/DVI transmitter



IC13: NJM2867F3-05
Low dropout voltage regulator



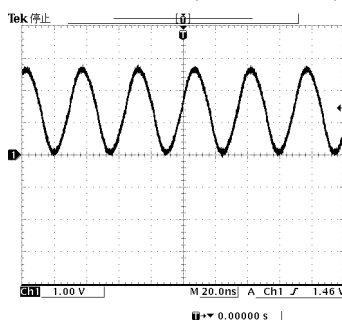
Mark	Reference Parts Number	Parts Name
k2	D112	ISS395
		MA2J11100L

NOTICE (model)
(J)..... JAPAN
(U)..... U.S.A.
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
△	METAL OXIDE FILM RESISTOR (P=10)
□	METAL FILM RESISTOR
■	METAL PLATE RESISTOR
⊞	FIRE PROOF CARBON FILM RESISTOR
⊞	CEMENT MOLDED RESISTOR
⊞	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊞	TANTALUM CAPACITOR
●	CERAMIC CAPACITOR
⊞	CERAMIC TUBULAR CAPACITOR
⊞	POLYESTER FILM CAPACITOR
⊞	POLYSTYRENE FILM CAPACITOR
⊞	MICA CAPACITOR
⊞	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

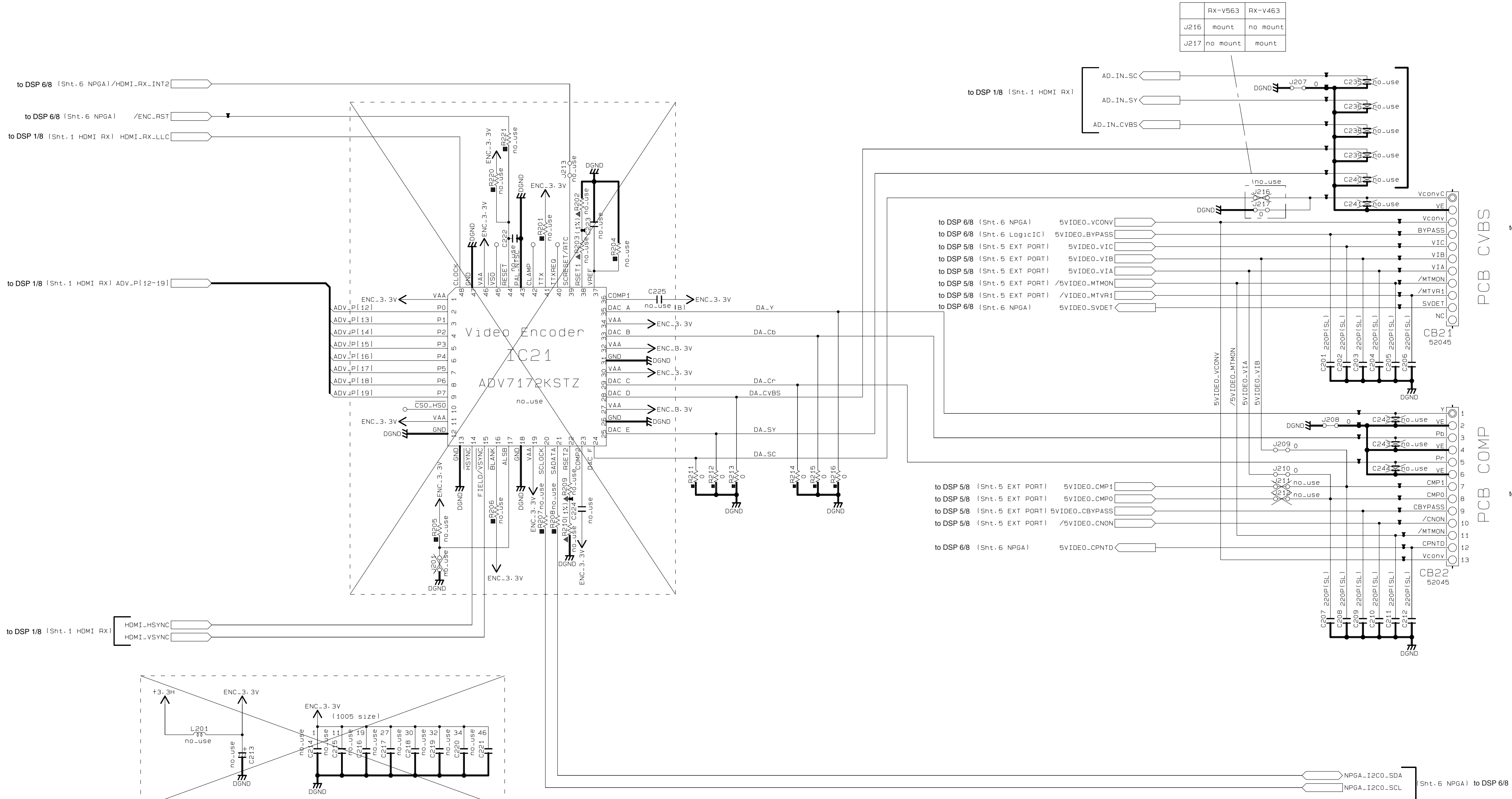
POINT (A-1) XL101 (Pin 65 of IC12)



★ All voltages are measured with a 10MΩ/VC electronic voltmeter.
★ Components having special characteristics are marked with a triangle (△) and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

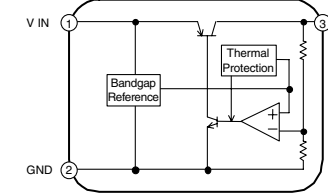
● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● △印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

DSP 2/8



Interchangeable Parts at Manufacture-Stage		
Mark	Reference Parts Number	Parts Name
⌘2	D201	1SS355 MA2J1110GL

IC22: NJM2845DL1-18
Low dropout voltage regulator



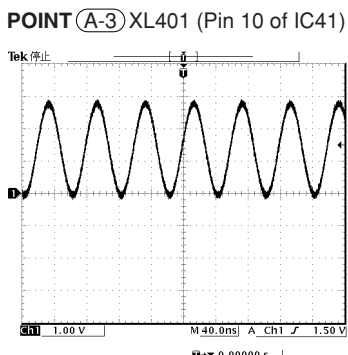
REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR (P=5)	
⊠	CARBON FILM RESISTOR (P=10)	
△	METAL OXIDE FILM RESISTOR	
⊡	METAL FILM RESISTOR	
⊞	METAL PLATE RESISTOR	
⊞	FIRE PROOF CARBON FILM RESISTOR	
□	CEMENT MOLDED RESISTOR	
⊗	SEMI VARIABLE RESISTOR	
■	CHIP RESISTOR	

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
⊙	CERAMIC TUBULAR CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
Ⓢ	MICA CAPACITOR	
Ⓢ	POLYPROPYLENE FILM CAPACITOR	
Ⓢ	SEMICONDUCTIVE CERAMIC CAPACITOR	

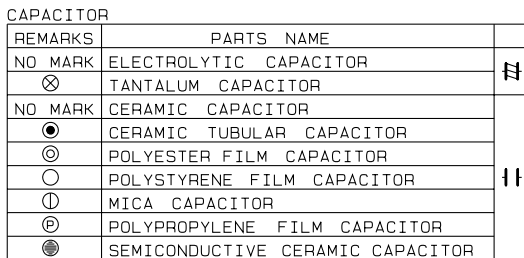
NOTICE (mode1)
(J)..... JAPAN
(U)..... U. S. A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

★ All voltages are measured with a 10MQ/V DC electronic voltmeter.
★ Components having special characteristics are marked ⊠, and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ⊠印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。



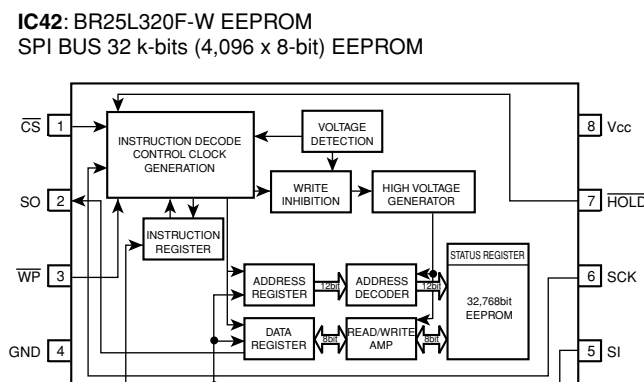
- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- ①印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがございます。



```

NOTICE [mode1]
(J)..... JAPAN
(U)..... U. S. A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

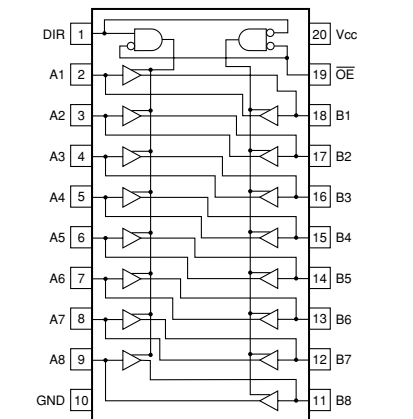
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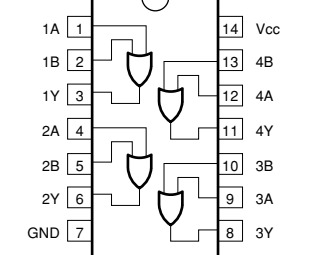
DSP 5/8

NOTICE [model]
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

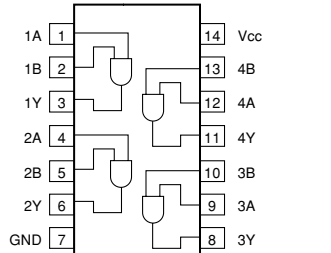
IC53-55, 151: SN74LVC245APWR
Octal bus transceivers with 3-state outputs



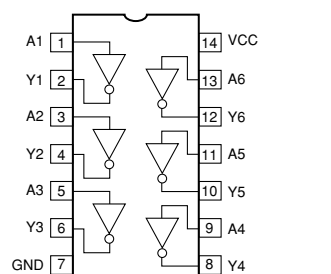
IC152: SN74LVC32APW
Quadrate 2-input positive-OR gates



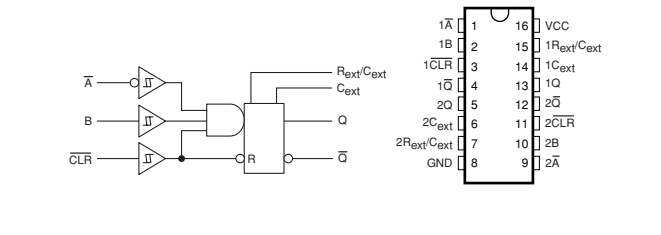
IC153: SN74LVC08APWR
Quadrate 2-input positive-AND gate



IC155: SN74LV14APWR
Hex schmitt trigger inverters



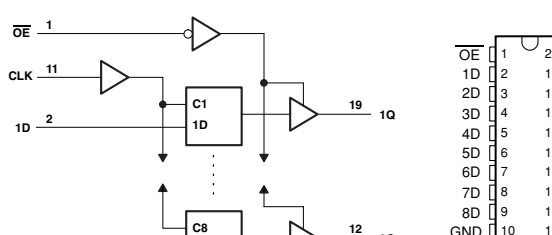
IC154: SN74LV123APWR
Dual retriggerable monostable multivibrators with schmitt-trigger inputs



IC57-59: SN74LV574APWR 8D-F
Octal edge-triggered D-type flip-flops with 3-state outputs



IC56: SN74AHC754PWR
Octal edge-triggered D-type flip-flops with 3-state outputs



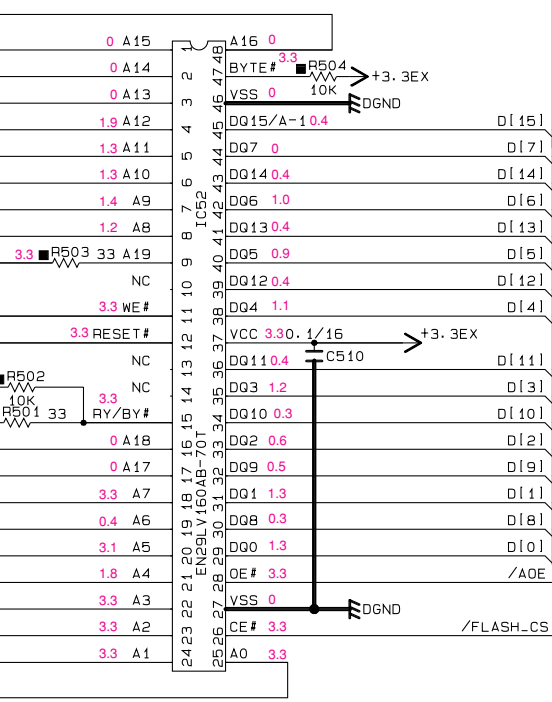
EXTENDED PORTS

Extended Output Ports

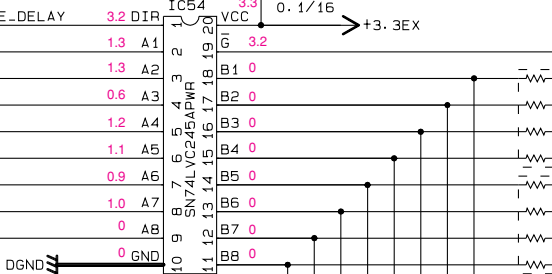
Flash Memory

EN29LV160AB-70T ※書き込み品(X9636A0)
1Mbit or 2Mbit

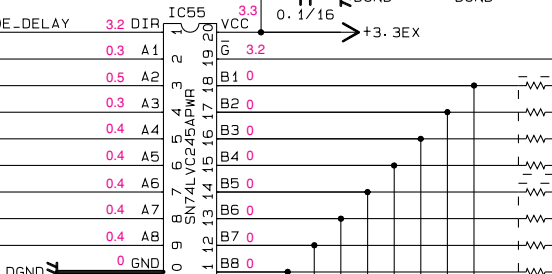
FLASH MEMORY



BUS BUFFER



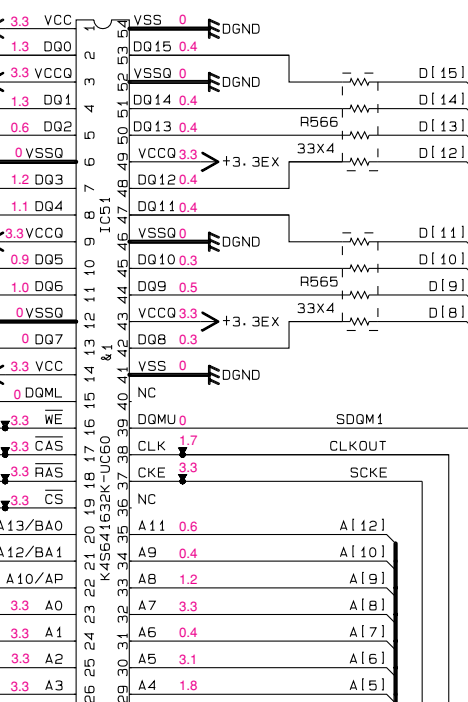
BUS BUFFER



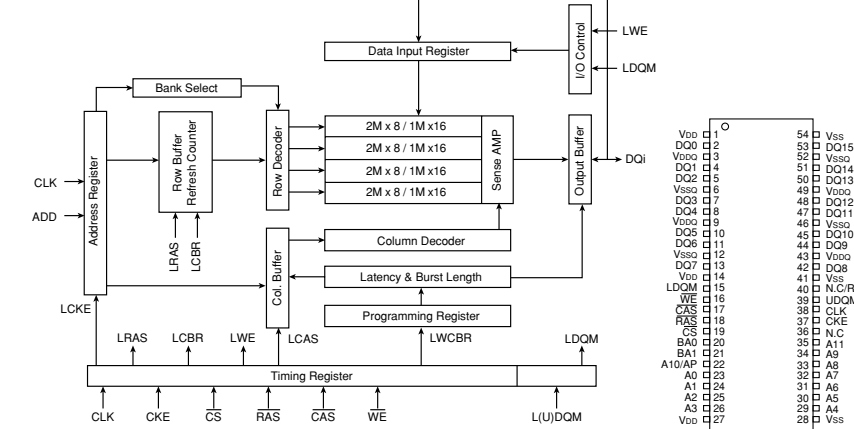
SDRAM

64Mbit
(ESMT: X9625A0 併用)

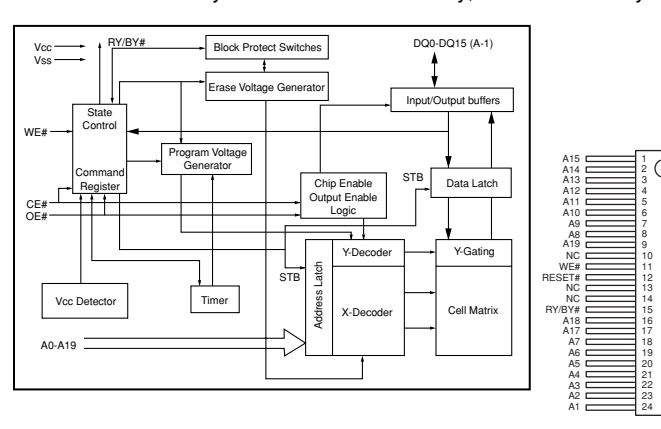
SDRAM



IC51: K4S641632K-UC60000
64 M synchronous DRAM



IC52: EN29LV160AB-70TCP
16 M-bit flash memory boot sector flash memory, CMOS 3.0 V-only



Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
IC1	IC51	K4S641632K-UC60000 M12L6416A4-5TG
IC2	D503	ISS3955 MA2J1110GL

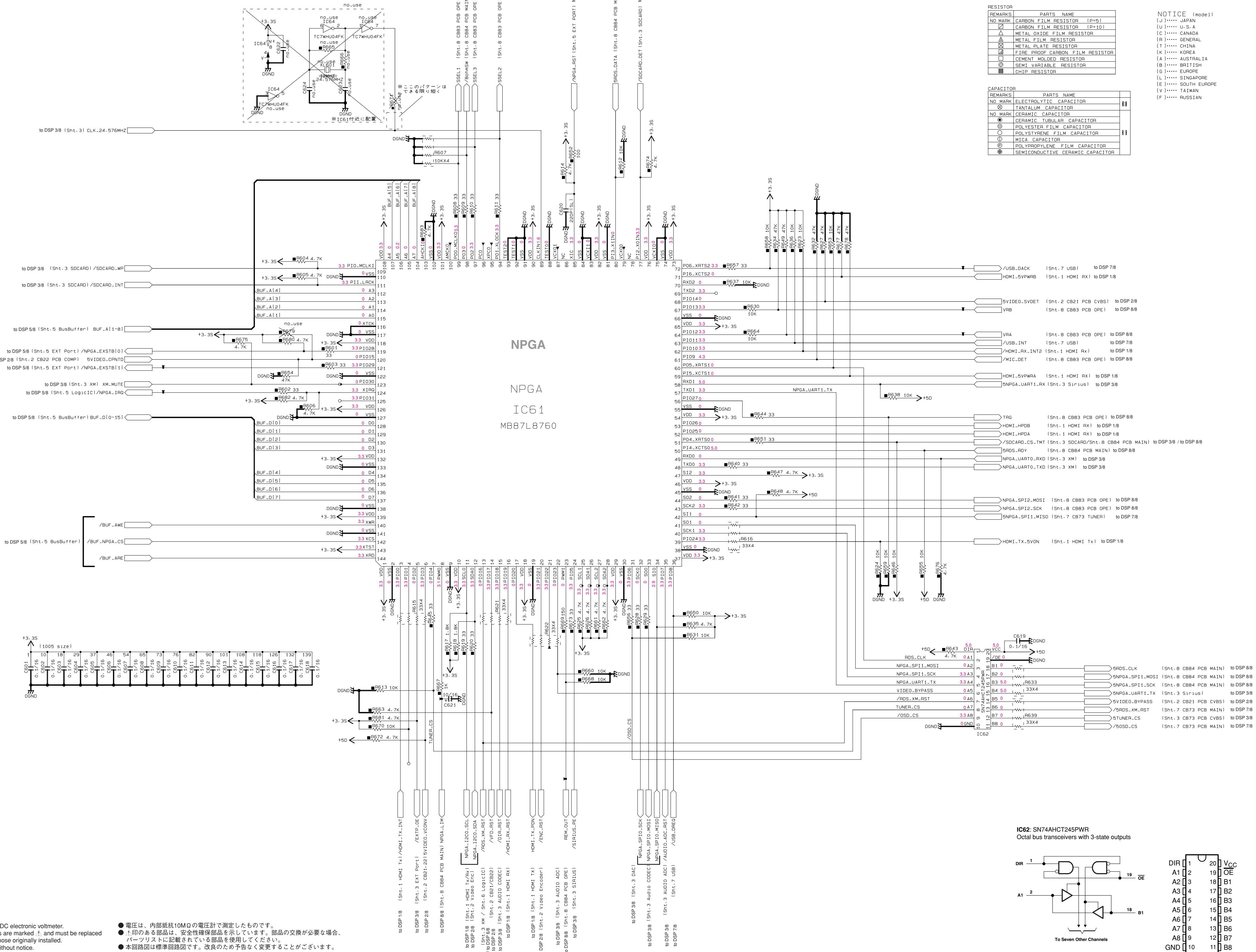
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
NO MARK	CARBON FILM RESISTOR (P=10)
NO MARK	METAL OXIDE FILM RESISTOR
NO MARK	METAL FILM RESISTOR
NO MARK	METAL PLATE RESISTOR
NO MARK	FINE PROOF CARBON FILM RESISTOR
NO MARK	CEMENT MOLDED RESISTOR
NO MARK	SEMI VARIABLE RESISTOR
NO MARK	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
NO MARK	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
NO MARK	CERAMIC TUBULAR CAPACITOR
NO MARK	POLYESTER FILM CAPACITOR
NO MARK	POLYSTYRENE FILM CAPACITOR
NO MARK	MICA CAPACITOR
NO MARK	POLYPROPYLENE FILM CAPACITOR
NO MARK	SEMICONDUCTIVE CERAMIC CAPACITOR

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ Components having special characteristics are marked with a triangle, and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

DSP 6/8



DSP 7/8

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
△	CARBON FILM RESISTOR (P=10)
□	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
■	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊞	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

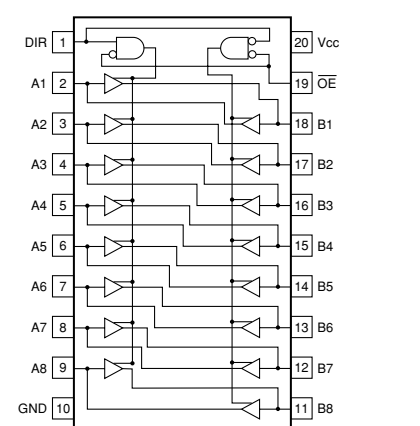
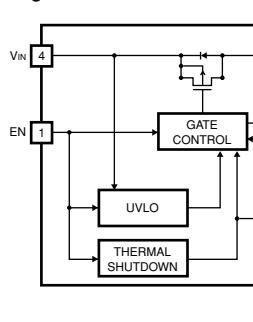
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
⊖	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)

(J)..... JAPAN
 (U)..... U.S.A
 (C)..... CANADA
 (R)..... GENERAL
 (T)..... CHINA
 (K)..... KOREA
 (A)..... AUSTRALIA
 (B)..... BRITISH
 (G)..... EUROPE
 (L)..... SINGAPORE
 (E)..... SOUTH EUROPE
 (V)..... TAIWAN
 (F)..... RUSSIAN

Destination Part List

sxx	LOC	J	UC	R	TA	K	B	GEF	L
s701	C713 C711 C712 C719 C710 C709 C708 C701 C702 C717 C703 C705 C706 C704 C715	X	X	US13510 0.1/16	US13510 0.1/16	US13510 0.1/16	US13510 0.1/16	US13510 0.1/16	US13510 0.1/16
s702	C714 C716	X	X	WD75830 10/10	WD75830 10/10	WD75830 10/10	WD75830 10/10	WD75830 10/10	WD75830 10/10
s703	C721	X	X	US06222 200P(SL)	US06222 200P(SL)	US06222 200P(SL)	US06222 200P(SL)	US06222 200P(SL)	US06222 200P(SL)
s704	C726 C723	X	X	US03510 0.1/16	US03510 0.1/16	US03510 0.1/16	US03510 0.1/16	US03510 0.1/16	US03510 0.1/16
s705	C731 C724 C728 C730	X	X	US06410 0.01(B)	US06410 0.01(B)	US06410 0.01(B)	US06410 0.01(B)	US06410 0.01(B)	US06410 0.01(B)
s706	C727	X	X	US06120 20P(CH)	US06120 20P(CH)	US06120 20P(CH)	US06120 20P(CH)	US06120 20P(CH)	US06120 20P(CH)
s707	C729	X	X	URB3810 100/16	URB3810 100/16	URB3810 100/16	URB3810 100/16	URB3810 100/16	URB3810 100/16
s708	CB71	X	X	VB85850 PHL	VB85850 PHL	VB85850 PHL	VB85850 PHL	VB85850 PHL	VB85850 PHL
s709	IC71	X	X	XB288A0 ISP1760BE	XB288A0 ISP1760BE	XB288A0 ISP1760BE	XB288A0 ISP1760BE	XB288A0 ISP1760BE	XB288A0 ISP1760BE
s710	IC72	X	X	XZ287A0 SN74LVC245APWR	XZ287A0 SN74LVC245APWR	XZ287A0 SN74LVC245APWR	XZ287A0 SN74LVC245APWR	XZ287A0 SN74LVC245APWR	XZ287A0 SN74LVC245APWR
s711	IC73	X	X	XB096A0 R5523N0014-TR-F	XB096A0 R5523N0014-TR-F	XB096A0 R5523N0014-TR-F	XB096A0 R5523N0014-TR-F	XB096A0 R5523N0014-TR-F	XB096A0 R5523N0014-TR-F
s712	J701	X	X	RD35000 0	RD35000 0	RD35000 0	RD35000 0	RD35000 0	RD35000 0
s713	L701 L705 L703 L704	X	X	PZ2012U600-3R0T	PZ2012U600-3R0T	PZ2012U600-3R0T	PZ2012U600-3R0T	PZ2012U600-3R0T	PZ2012U600-3R0T
s714	L702	X	X	DLW21HN900S02L	DLW21HN900S02L	DLW21HN900S02L	DLW21HN900S02L	DLW21HN900S02L	DLW21HN900S02L
s715	R702 R701	X	X	WH20580 33X4	WH20580 33X4	WH20580 33X4	WH20580 33X4	WH20580 33X4	WH20580 33X4
s716	R729 R719 R707 R718 R720 R705 R709 R708 R710 R723 R706 R730 R728 R731 R732 R703 R704	X	X	RD35710 10K	RD35710 10K	RD35710 10K	RD35710 10K	RD35710 10K	RD35710 10K
s717	R717 R711	X	X	RD35647 4.7K	RD35647 4.7K	RD35647 4.7K	RD35647 4.7K	RD35647 4.7K	RD35647 4.7K
s718	R712 R714 R715 R713	X	X	WH21180 10KX4	WH21180 10KX4	WH21180 10KX4	WH21180 10KX4	WH21180 10KX4	WH21180 10KX4
s719	R722	X	X	RD35647 470	RD35647 470	RD35647 470	RD35647 470	RD35647 470	RD35647 470
s720	R725 R727 R726	X	X	RF45712 12K	RF45712 12K	RF45712 12K	RF45712 12K	RF45712 12K	RF45712 12K
s721	R733 R734	X	X	RF45715 15K	RF45715 15K	RF45715 15K	RF45715 15K	RF45715 15K	RF45715 15K
s722	XL701	X	X	V529490 12MHz	V529490 12MHz	V529490 12MHz	V529490 12MHz	V529490 12MHz	V529490 12MHz
s723	C726	X	X	US06112 12P	US06112 12P	US06112 12P	US06112 12P	US06112 12P	US06112 12P
s724	R716	X	X	RD35510 100	RD35510 100	RD35510 100	RD35510 100	RD35510 100	RD35510 100

IC72: SN74LVC245APWR
Octal bus transceivers with 3-state outputsIC73: R5523N0014-TR-F
High side switch IC

USB HOST

IC71

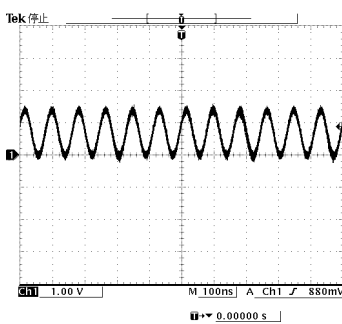
ISP1760BE

s709

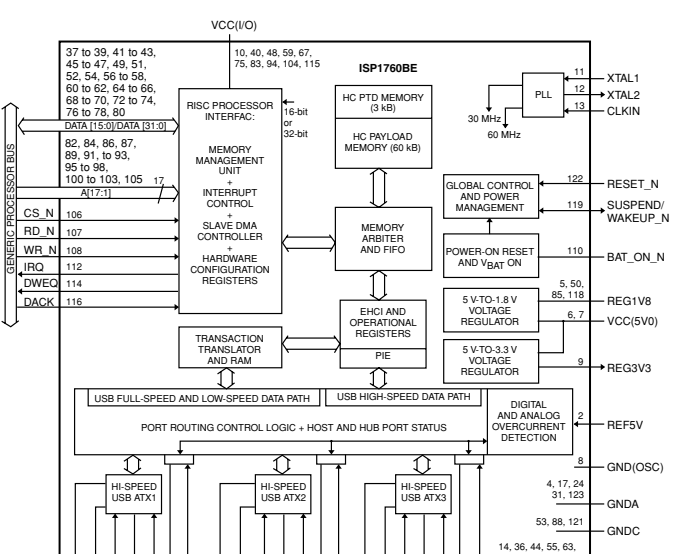
No replacement part available.

サービス部品供給なし

POINT (B-1) XL701 (Pin 11 of IC71)

USB Connector
(Side Entry)

Page 93 [L4]

to OPERATION (6), W6006
(R, T, K, A, B, G, E, F, L models)IC71: ISP1760BE
Embedded hi-speed USB host controller

- ★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
- ★ Components having special characteristics are marked 1, and must be replaced with parts having specifications equal to those originally installed.
- ★ Schematic diagram is subject to change without notice.

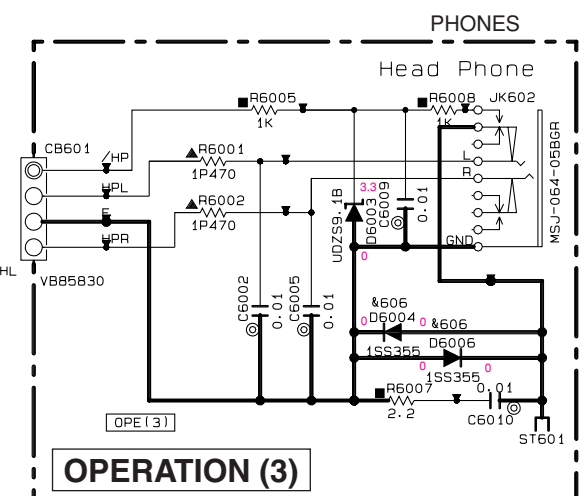
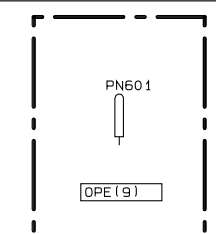
- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- 1印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがございます。

OPERATION 1/2

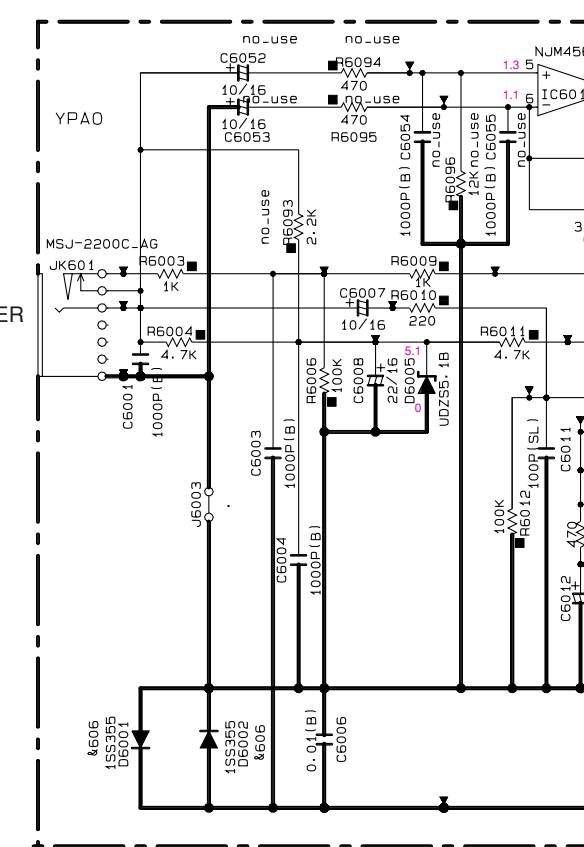
REMARKS	PARTS	NAME
NO MARK	CARBON FILM RESISTOR (P=5)	
⊠	CARBON FILM RESISTOR (P=10)	
△	METAL OXIDE FILM RESISTOR	
⊞	METAL FILM RESISTOR	
⊞	METAL PLATE RESISTOR	
■	FIRE-PROOF CARBON FILM RESISTOR	
■	CEMENT MOLDED RESISTOR	
⊗	SEMI-VARIABLE RESISTOR	
■	CHIP RESISTOR	

REMARKS	PARTS	NAME
NO MARK	ELECTROLYTIC CAPACITOR	
⊙	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
⊙	CERAMIC TUBULAR CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
①	MICA CAPACITOR	
⊙	POLYPROPYLENE FILM CAPACITOR	
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR	
⊙	POLYBENZYLENE SULFIDE FILM CAPACITOR	

OPERATION (9)



OPERATION (3)



Mark	Reference Parts Number	Parts Name
Ⓔ001	6001, 6004, 6006-6008	25C2412K (G/R/S)
Ⓔ002	6003-6011	25A1037AK (G/R/S)
Ⓔ003	6002-6010	KRA102S-RTK/P
Ⓔ004	6005	KRC102S-RTK/P
Ⓔ005	V5001	17-BT-320NK
Ⓔ006	D6001, 6002, 6004-6006	153395
	6020-6027	MA2J1110SL

NOTICE (model)

(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(S)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

Key detection for A/D port

Key input (A/D) pull-up resistance 10 k-ohms

U, C, R, T, K, A, G, E, F, L models

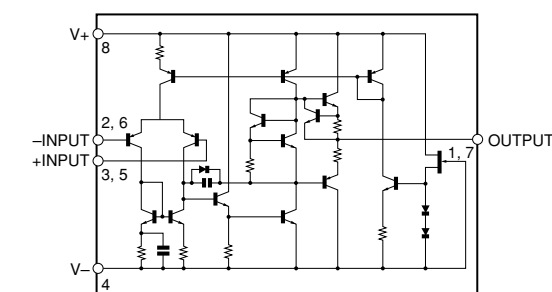
Ohm	0	+1.0k	+1.0k	+1.5k	+2.2k	+2.2k	+3.3k	+4.7k	+6.8k	+10.0k	+22.0k
V	0-0.2	0.2-0.4	0.4-0.7	0.7-1.0	1.0-1.3	1.3-1.6	1.6-1.9	1.9-2.1	2.1-2.4	2.4-2.7	2.7-3.0
KEY INPUT 0 (7 pin)	-	SPEAKERS	CONTROL	PROGRAM	PROGRAM	STRAIGHT	EFFECT	AB/C/D/E	BAND	PRESET/TUNING	-
KEY INPUT 1 (6 pin)	-	AUDIO SELECT	INPUT	INPUT	DIRECT	PRESET/TUNING	PRESET/TUNING	MEMORY	-	INFO TUNING	-

B model

Ohm	0	+1.0k	+1.0k	+1.5k	+2.2k	+2.2k	+3.3k	+4.7k	+6.8k	+10.0k	+22.0k
V	0-0.2	0.2-0.4	0.4-0.7	0.7-1.0	1.0-1.3	1.3-1.6	1.6-1.9	1.9-2.1	2.1-2.4	2.4-2.7	2.7-3.0
KEY INPUT 0 (7 pin)	-	SPEAKERS	CONTROL	PROGRAM	PROGRAM	STRAIGHT	EFFECT	AB/C/D/E	BAND	PRESET/TUNING	-
KEY INPUT 1 (6 pin)	-	AUDIO SELECT	INPUT	INPUT	DIRECT	PRESET/TUNING	PRESET/TUNING	MEMORY	-	INFO TUNING	-

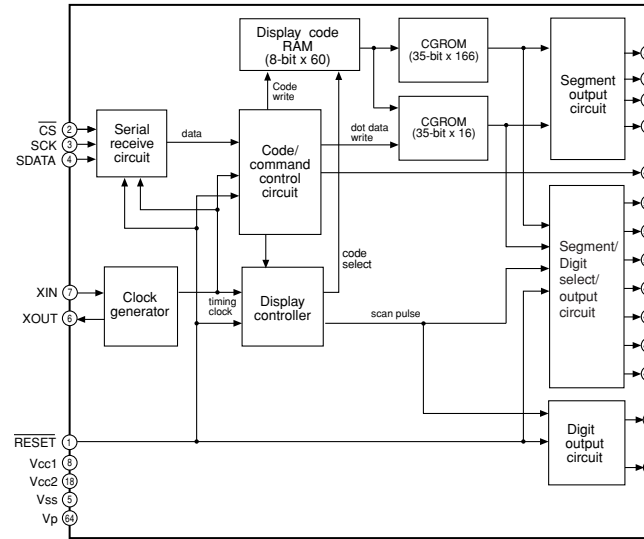
IC601: NJM4556M

Dual operational amplifier



IC603: M6003-0131FP-R

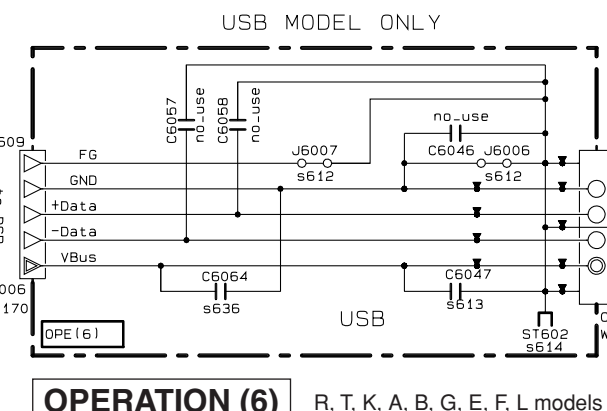
18 digit 5 x 7 segment VFD controller/driver



- ★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
- ★ Components having special characteristics are marked with a triangle (▲) and must be replaced with parts having specifications equal to those originally installed.
- ★ Schematic diagram is subject to change without notice.

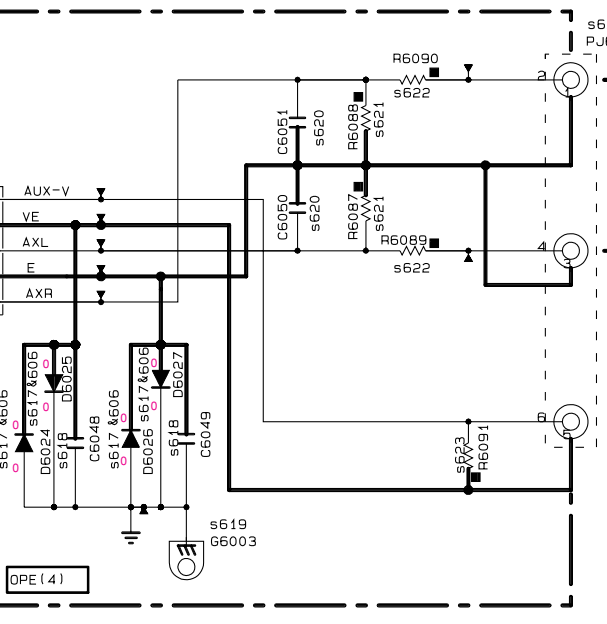
- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- 印のある部品は、安全確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがございます。

OPERATION (8)



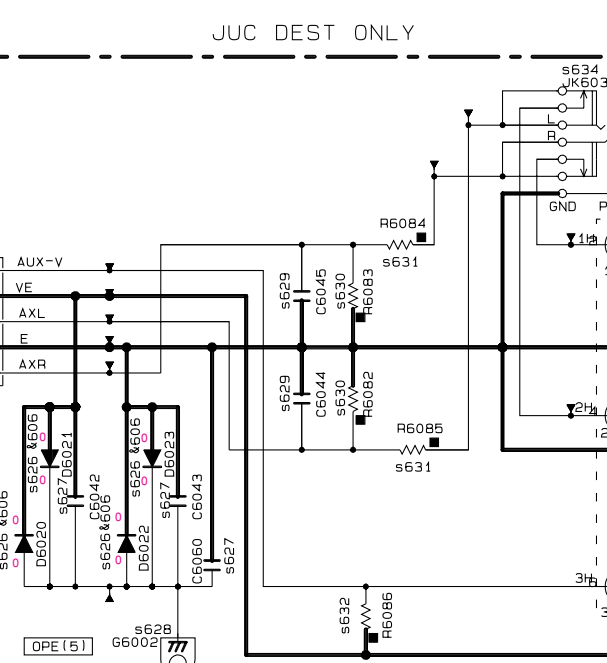
OPERATION (6)

R, T, K, A, B, G, E, F, L models



OPERATION (4)

R, T, K, A, B, G, E, F, L models



OPERATION (5)

U, C, J models

OPERATION (7)

STANDBY/ON

OPERATION (1)

to DSP

OPERATION (2)

to DSP, CB71

OPERATION (3)

to MAIN, W401

OPERATION (4)

to MAIN, W3001

OPERATION (5)

to VIDEO (1), W3001

OPERATION (6)

to VIDEO (1), W3001

OPERATION (7)

to VIDEO (1), W3001

OPERATION (8)

to VIDEO (1), W3001

OPERATION (9)

to VIDEO (1), W3001

OPERATION (10)

to VIDEO (1), W3001

OPERATION (11)

to VIDEO (1), W3001

OPERATION (12)

to VIDEO (1), W3001

OPERATION (13)

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OPERATION (94)

to VIDEO (1), W3001

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OPERATION (96)

to VIDEO (1), W3001

OPERATION (97)

to VIDEO (1), W3001

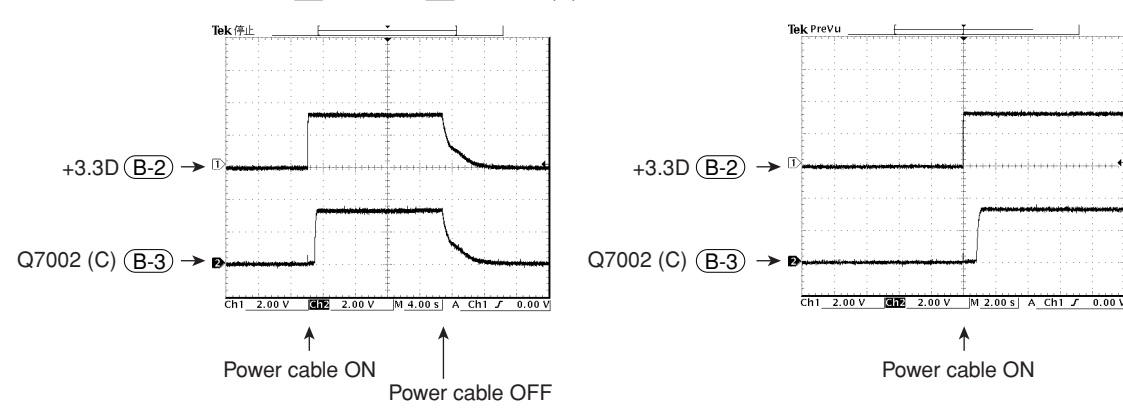
OPERATION (98)

OPERATION 2/2

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
κ700	Q7000-7002	DTC114EKA KRC104S-RTK/P
κ701	D7005-7006-7010-7016 7017	1SS355 MA2J1110GL
κ702	D7014-7015	KBP103G RS103
κ703	D7018-7019	RS403M-B-C-J80 TS4B03G-07
κ704	Q7001	2SC2412K (Q/R/S) KTC3875S-Y, GR-RTK/P 2SD6014RL/AQL1Q/R/S

POINT (B-2) / +3.3D (B-3) / Q7002 (C)



RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
□	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
▤	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊗	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

NOTICE (model)

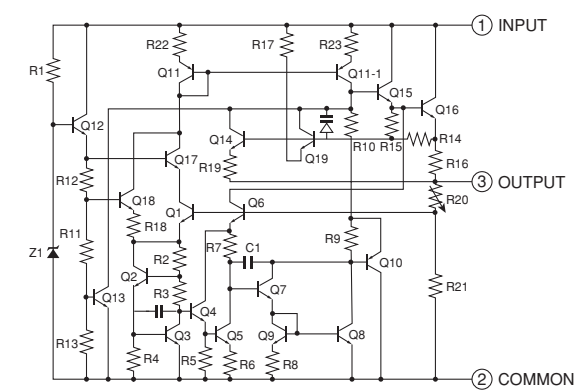
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

CAPACITOR

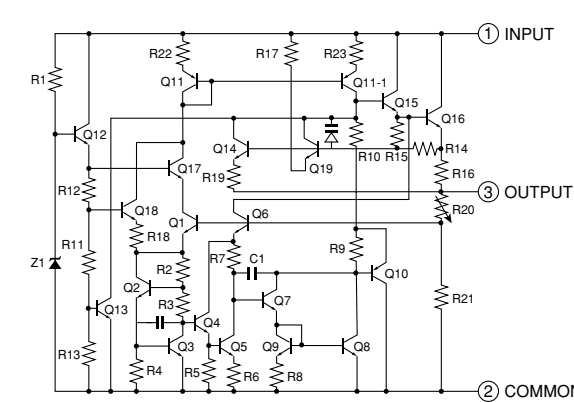
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
⊖	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

sxx	LOC	J	UC	RTKAGEFL	B
s600	SW618 SW603 SW620 SW619 SW601 SW623 SW624	WD48310 SKRGAAD010	WD48310 SKRGAAD010	WD48310 SKRGAAD010	X
s609	W6006	X	X	WN02170	WN02170
s612	J6006 J6007	X	X	RD35000	RD35000
s613	C6047	X	X	US06210 100P (SL)	US06210 100P (SL)
s614	ST602	X	X	WA78970	WA78970
s615	CB607	X	X	WG66B10 UBA-4R-D14T-4D	WG66B10 UBA-4R-D14T-4D
s616	W6008	X	X	WJ62450 SAN-PH	WJ62450 SAN-PH
s617	D6024 D6025 D6026 D6027	X	X	VT33290 1SS355	VT33290 1SS355
s618	C6049	X	X	US13510 0.1/16	US13510 0.1/16
s619	G6003	X	X	VR46340 TP00385	VR46340 TP00385
s620	C6051	X	X	US06222 220P (SL)	US06222 220P (SL)
s621	R6087 R6088	X	X	RD35847 470K	RD35847 470K
s622	R6090 R6089	X	X	RD35547 470	RD35547 470
s623	R6091	X	X	RD35475 75	RD35475 75
s624	PJ602	X	X	MSP-303H-BBB-11	MSP-303H-BBB-11
s625	W6007	WJ62450 SAN-PH	WJ62450 SAN-PH	X	X
s626	D6022 D6023 D6020 D6021	VT33290 1SS355	VT33290 1SS355	X	X
s627	C6042 C6043 C6060	US13510 0.1/16	US13510 0.1/16	X	X
s628	G6002	VR46340 TP00385	VR46340 TP00385	X	X
s629	C6045 C6044	US06368 6800P (B)	US06368 6800P (B)	X	X
s630	R6083 R6082	RD35847 470K	RD35847 470K	X	X
s631	R6084 R6085	RD35547 470	RD35547 470	X	X
s632	R6086	RD35475 75	RD35475 75	X	X
s633	PJ601	MSP-303H-BBB-11	MSP-303H-BBB-11	X	X
s634	JK603	MSJ-035-05A	MSJ-035-05A	X	X
s636	C6064	X	X	US12610 1/10	US12610 1/10
s638	J6001	VN50000 0	VN50000 0	VN50000 0	X
s639	R6078	RD35000 0	RD35000 0	RD35000 0	X
s642	R6060 R6061	RD35633 3.3K	RD35633 3.3K	RD35633 3.3K	X
s643	R6065 R6066	RD35647 4.7K	RD35647 4.7K	RD35647 4.7K	X
s644	R6070 R6069	RD35668 6.8K	RD35668 6.8K	RD35668 6.8K	X
s645	R6076 R6075	RD35710 10K	RD35710 10K	RD35710 10K	X
s700	C7027	UR73A10 10000/16	WG60200 15000/16	WG60200 15000/16	WG60200 15000/16
s701	C7026	X	UR03947 4700/16	UR03947 4700/16	UR03947 4700/16
s702	IC706	X	X6143A0 NJM238BF05	X6143A0 NJM238BF05	X6143A0 NJM238BF05
s703	R7017	X	RD35610 1K	X	X
s704	D7012	X	V237650 RB500V-40	X	X
s705	J7010 J7001	X	X	VN50000	VN50000

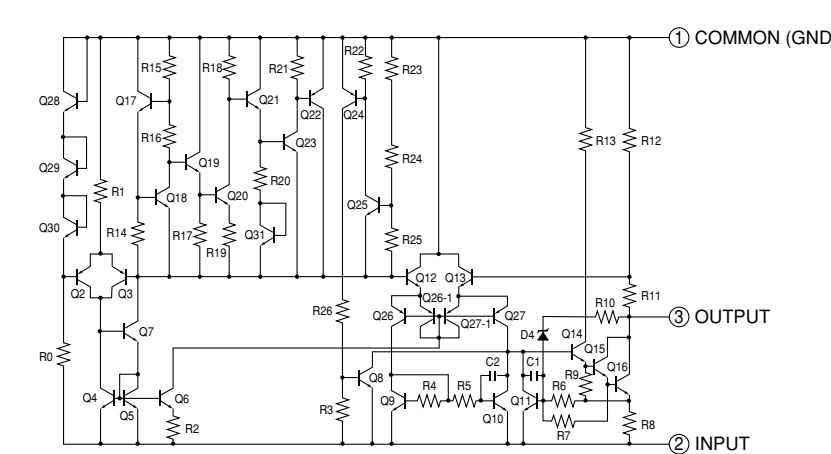
IC701, 703: KIA7805API
Voltage regulator



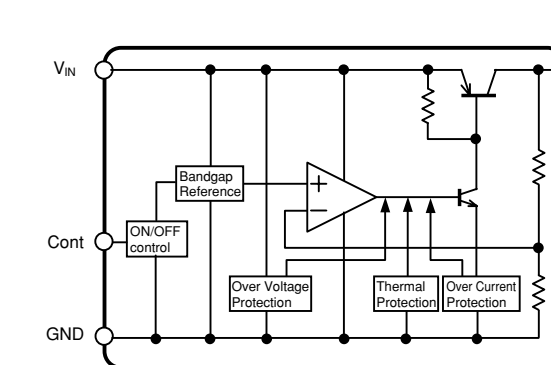
IC704: KIA7812API
Voltage regulator



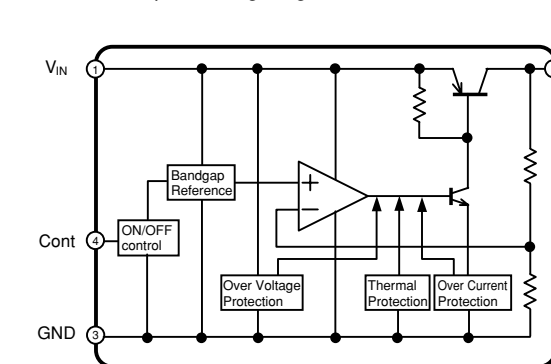
IC705: KIA7912PI
Voltage regulator



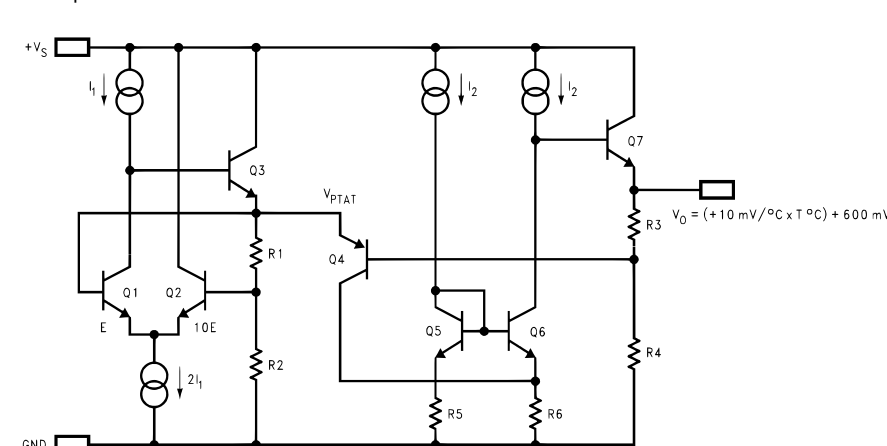
IC706: NJM2388F05
Low dropout voltage regulator with ON/OFF control



IC707: NJM2388F63
Low dropout voltage regulator with ON/OFF control



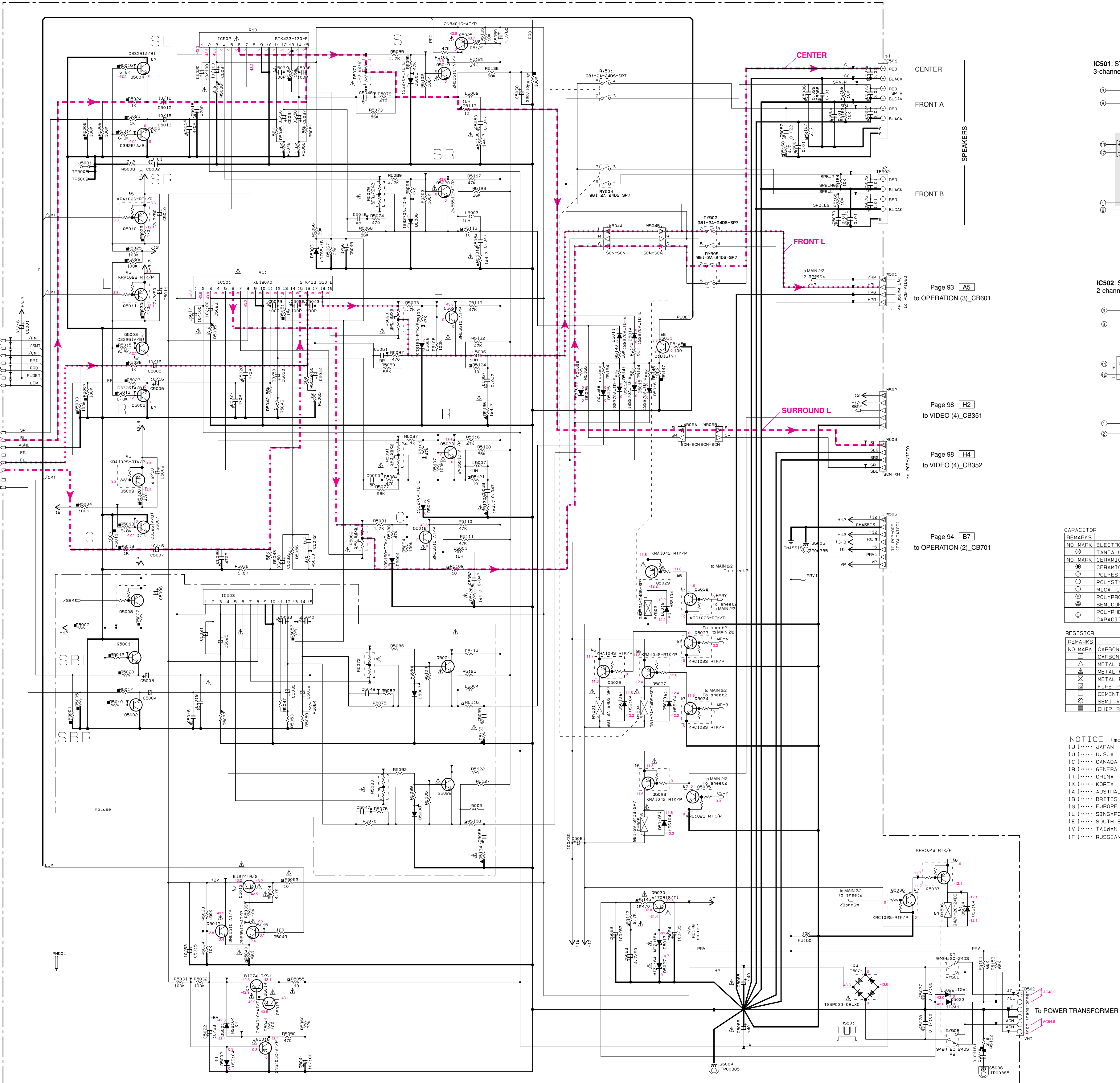
IC708: LM61CI2
Temperature sensor



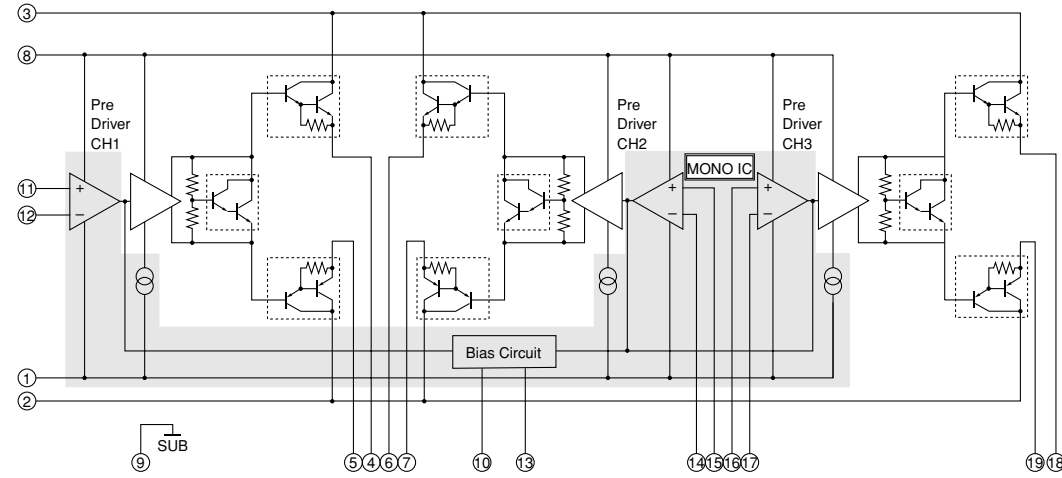
★ All voltages are measured with a 10MQ/V DC electronic voltmeter.
● Components having special characteristics are marked with a triangle and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

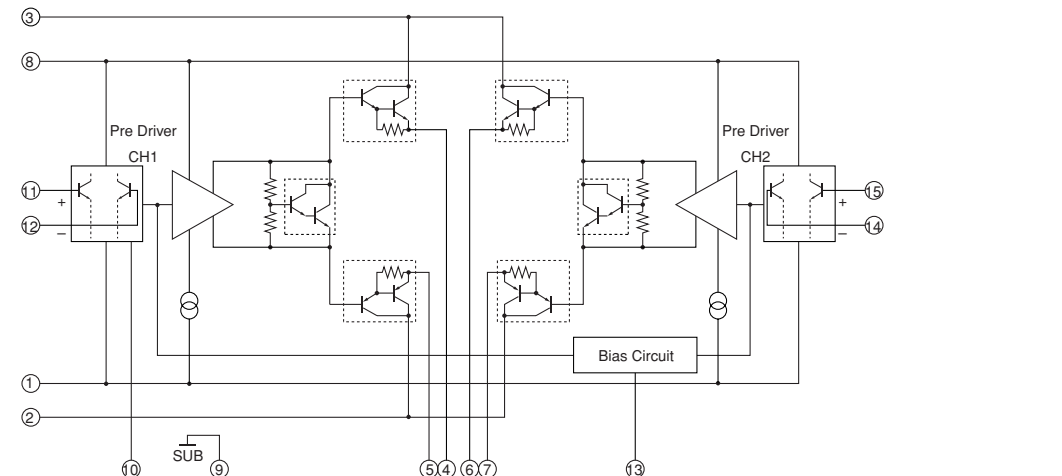
MAIN 1/2



IC501: STK433-330-E
3-channel AF power amplifier, stand-by circuit built-in



IC502: STK433-130-E
2-channel AF power amplifier, stand-by circuit built-in



Page 93 A5
to OPERATION (3)_CB601

Page 98 H2
to VIDEO (4)_CB351

Page 98 H4
to VIDEO (4)_CB352

Page 94 B7
to OPERATION (2)_CB701

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
⊖	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
⊗	SEMICONDUCTIVE CERAMIC CAPACITOR
⊙	POLYPHENYLENE SULFIDE FILM CAPACITOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
□	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
⊗	METAL FILM RESISTOR
⊙	METAL PLATE RESISTOR
⊕	FIRE PROOF CARBON FILM RESISTOR
⊖	CEMENT MOLDED RESISTOR
⊗	SEMI-VARIABLE RESISTOR
■	CHIP RESISTOR

NOTICE (model)
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

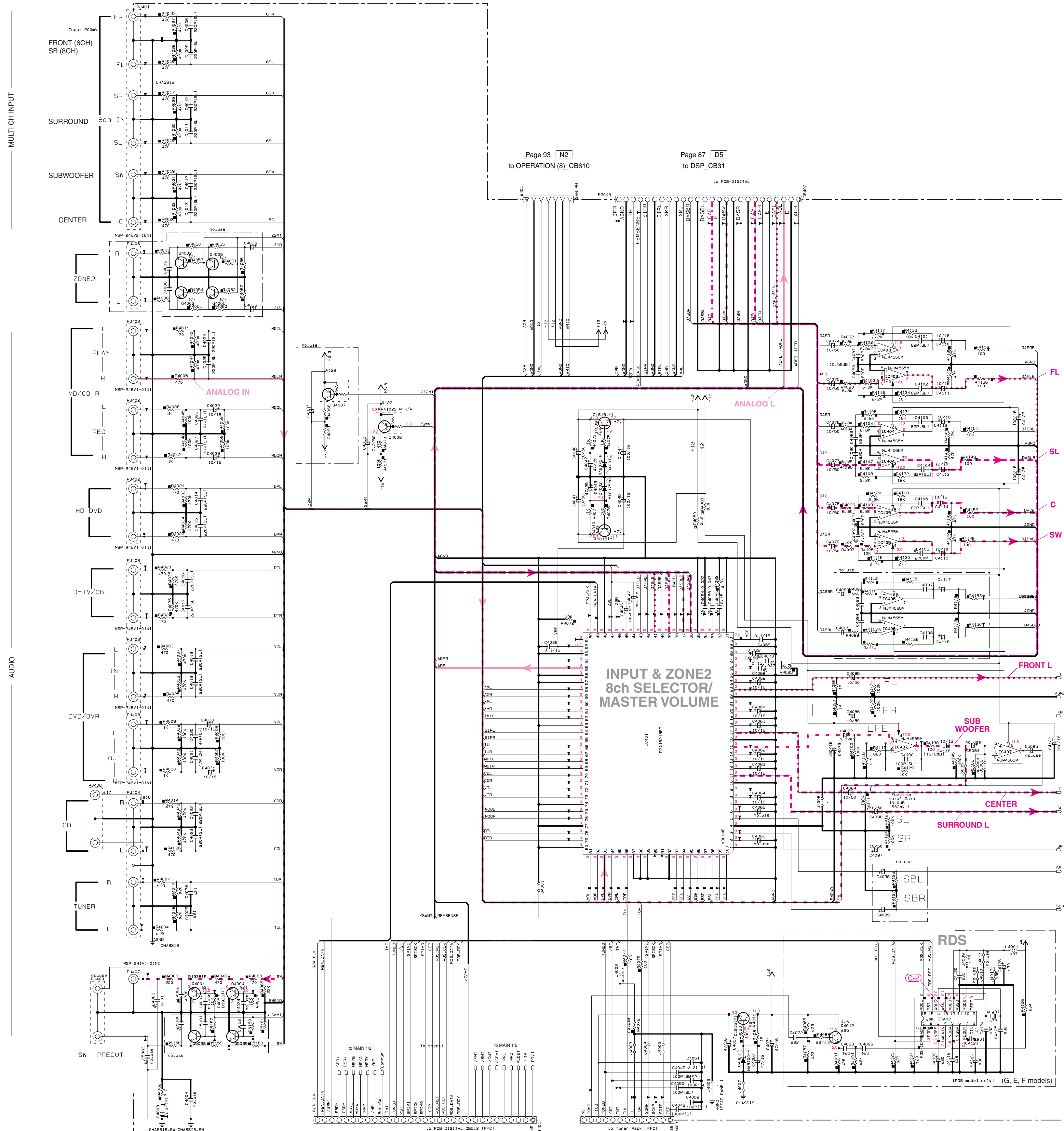
Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
41	05001-5002-5013 5018-5020-5024	R55104 155133 155176
42	05003-5007	25C3326(A/B) 25C3326(B) 25C5938(A/B) 25D1938(F15/1 25D2704K
43	05013-5014	25B1274(H/S) 25B1555(E/F1 K1A1046-Y-U/P
44	05021	R56P30-08-X0 R56Q3W-B-C-J80
45	05009-5011	KRA1025-RTK/P DTA114EKA
46	05026-5029-5037	KRA1045-RTK/P DTA144EKA
47	05032-5036	KRC1025-RTK/P DTC114EKA
48	05031	25C18101(Y) K1C3196 Y+AT
49	RY506	942H-2C-2405 DH2402-0-G
410	IC502	STK-433-130-E (X7427A0) STK-433-130-E (X7427B0) STK-433-330-E (X8190A0) STK-433-330-E (X8190B0)
411	IC501	

- ★ All voltages are measured with a 10M Ω /V DC electronic voltmeter.
- ★ Components having special characteristics are marked Δ , and must be replaced with parts having specifications equal to those originally installed.
- ★ Schematic diagram is subject to change without notice.

- 電圧は、内部抵抗10M Ω の電圧計で測定したものです。
- Δ 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがございます。

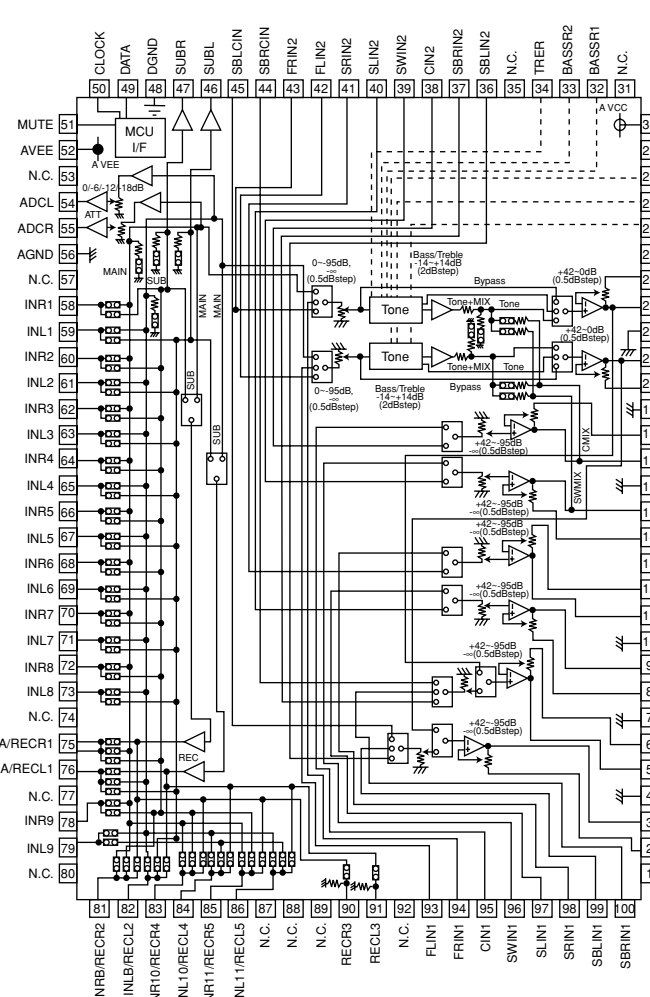
MAIN 2/2



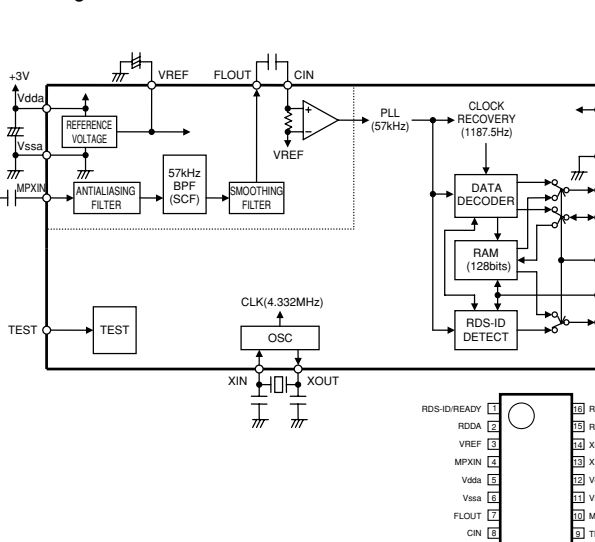
Interchangeable Parts at Manufacture-Stage		
Mark	Reference Parts Number	Parts Name
421	Q4001-4004	28019381/F 25C5938A1/A/B1 25D0704K
422	Q4008	KR4102S-RTX/P DT4114EK4
423	Q4010	25A101S1/V1 KT4108 YAT
424	Q4009-4011	25C181S1/V1 KT3198 YAT
425	Q4012	25C1740S1/R/S1 25C3311ARA1G/R/S1

Destination Part List				
xxx	LOC	JUCRTA	KL	B
51	TE001	W56100	W56110	W56110
52	TE002	W56090	W56090	W56090
53	TE003	W56080	W56080	W56080
54	TE004	W56070	W56070	W56070
55	TE005	W56060	W56060	W56060
56	TE006	W56050	W56050	W56050
57	TE007	W56040	W56040	W56040
58	TE008	W56030	W56030	W56030
59	TE009	W56020	W56020	W56020
60	TE010	W56010	W56010	W56010
61	TE011	W56000	W56000	W56000
62	TE012	W55990	W55990	W55990
63	TE013	W55980	W55980	W55980
64	TE014	W55970	W55970	W55970
65	TE015	W55960	W55960	W55960
66	TE016	W55950	W55950	W55950
67	TE017	W55940	W55940	W55940
68	TE018	W55930	W55930	W55930
69	TE019	W55920	W55920	W55920
70	TE020	W55910	W55910	W55910
71	TE021	W55900	W55900	W55900
72	TE022	W55890	W55890	W55890
73	TE023	W55880	W55880	W55880
74	TE024	W55870	W55870	W55870
75	TE025	W55860	W55860	W55860
76	TE026	W55850	W55850	W55850
77	TE027	W55840	W55840	W55840
78	TE028	W55830	W55830	W55830
79	TE029	W55820	W55820	W55820
80	TE030	W55810	W55810	W55810
81	TE031	W55800	W55800	W55800
82	TE032	W55790	W55790	W55790
83	TE033	W55780	W55780	W55780
84	TE034	W55770	W55770	W55770
85	TE035	W55760	W55760	W55760
86	TE036	W55750	W55750	W55750
87	TE037	W55740	W55740	W55740
88	TE038	W55730	W55730	W55730
89	TE039	W55720	W55720	W55720
90	TE040	W55710	W55710	W55710
91	TE041	W55700	W55700	W55700
92	TE042	W55690	W55690	W55690
93	TE043	W55680	W55680	W55680
94	TE044	W55670	W55670	W55670
95	TE045	W55660	W55660	W55660
96	TE046	W55650	W55650	W55650
97	TE047	W55640	W55640	W55640
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99	TE049	W55620	W55620	W55620
100	TE050	W55610	W55610	W55610

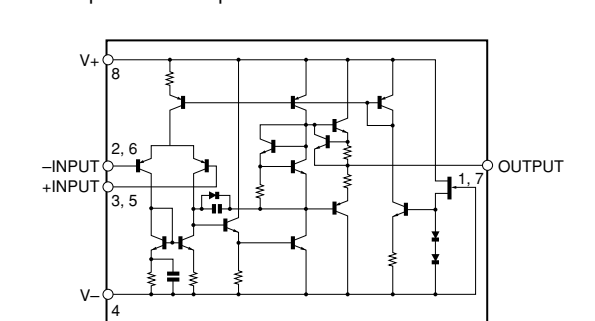
IC401: R2A15218FP
8-channel electronic volume with 11 input selector and tone control



IC402: LC72725KM-UY-TLM-E
RDS signal demodulation IC



IC403-405, 407: NJM4558M
Dual operational amplifier

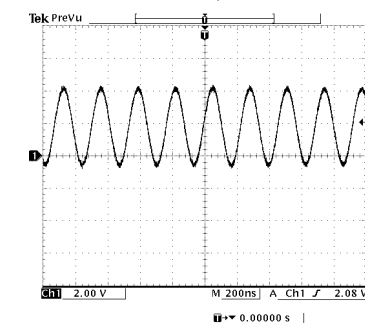


REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	□
NO MARK	TANTALUM CAPACITOR	□
NO MARK	CERAMIC TUBULAR CAPACITOR	□
NO MARK	POLYESTER FILM CAPACITOR	□
NO MARK	POLYSTYRENE FILM CAPACITOR	□
NO MARK	MICA CAPACITOR	□
NO MARK	POLYPROPYLENE FILM CAPACITOR	□
NO MARK	SEMICONDUCTIVE CERAMIC CAPACITOR	□

REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR (P=5)	□
NO MARK	CARBON FILM RESISTOR (P=10)	□
NO MARK	METAL OXIDE FILM RESISTOR	□
NO MARK	METAL FILM RESISTOR	□
NO MARK	METAL PLATE RESISTOR	□
NO MARK	FIRE PROOF CARBON FILM RESISTOR	□
NO MARK	CEMENT MOLDED RESISTOR	□
NO MARK	SEMI-VARIABLE RESISTOR	□
NO MARK	CHIP RESISTOR	□

NOTICE (model1)
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
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(S)..... BRITISH
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

POINT (C2) XL401 (Pin 13 of IC402)



- ★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
- ★ Components having special characteristics are marked !, and must be replaced with parts having specifications equal to those originally installed.
- ★ Schematic diagram is subject to change without notice.

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- !印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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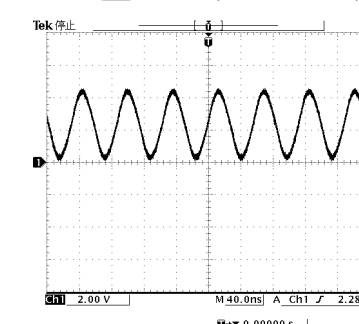
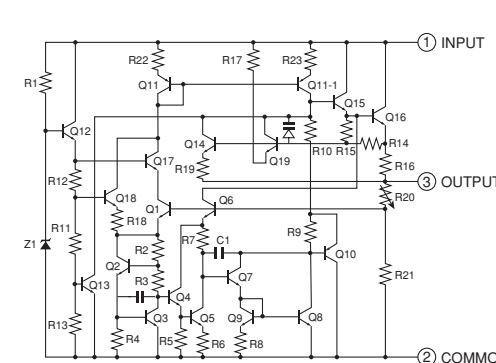
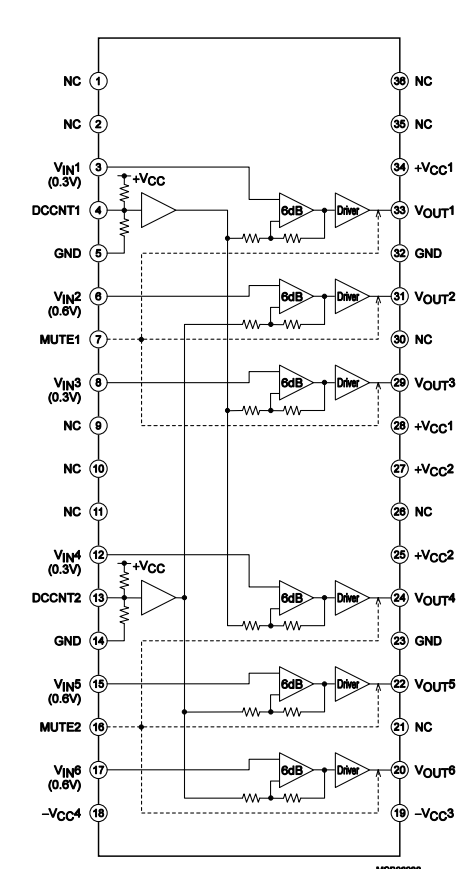
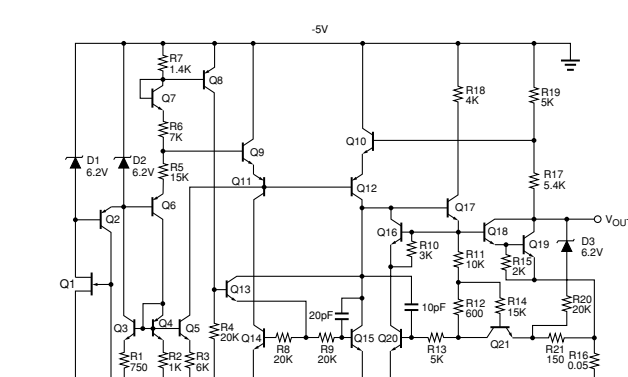
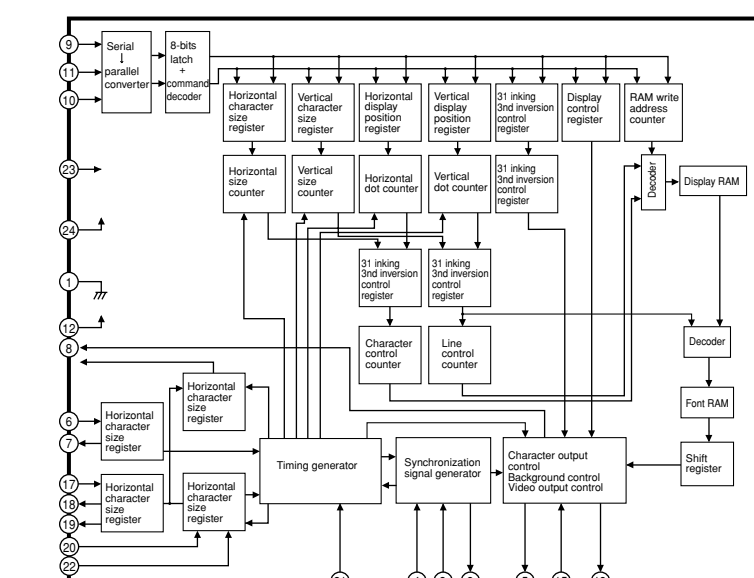
VIDEO 1/2

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to OPERATION (8)_CB609Page 87 [D3]
to DSP_CB32Page 86 [M3]
to DSP_CB21Page 98 [C1]
to VIDEO (2)_CB325

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
✳301	D3201-3205 D3208-3217	1SS355 MA2J1110GL
✳302	Q3004-3005	2SC2412K (G/R/S) 2SD061ARL/ADL (G/R/S) KTC3875S-Y-GR-RTK/P
✳303	IC301	MM74HC4051SJX-NL TC74HC4051AF (EL-F)
✳304		
✳306	IC311-322-324	TC74HC4052AF (EL-F) MM74HC4052SJX-NL
✳307	D3401-3501	HSS104 1SS133 1SS176
✳308	Q3402-3404	2SA1015 (Y) KTA1266 (Y)
✳309		
✳310	Q3501	DTA114ESA KRA102M-AT

POINT (C-1) XL301 (Pin 3 of IC304)

IC308: KIA7805API
Voltage regulatorIC307: LA73050-TLM-E
6-channel 75-ohm video driverIC309: KIA79M05PI-U
Voltage regulatorIC304: LC74782JM-8A16-TLMC
The on-screen display controller LSI

VSS1	1	24	VDD1
Xblav	2	23	RST
Xblav	3	22	CTRL3
CTAL1	4	21	CTRL2
BLANK	5	20	SEPin
OSCAN	6	19	SEPout
OSCAN	7	18	SEPC
CHARA	8	17	SYNN
CS	9	16	VDD1
SGLK	10	15	CVIN
SN	11	14	NC
VDD2	12	13	CVOUT

- ★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
- ★ Components having special characteristics are marked with a triangle (▲) and must be replaced with parts having specifications according to those originally installed.
- ★ Schematic diagram is subject to change without notice.

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NOTICE (model)

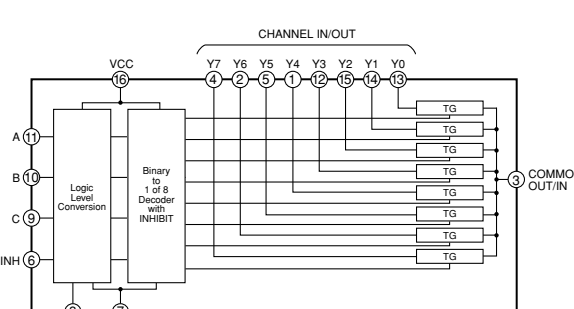
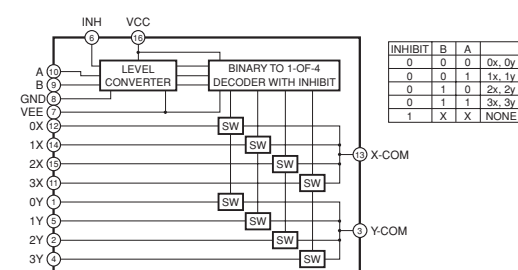
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(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
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(G)..... EUROPE
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(F)..... RUSSIAN

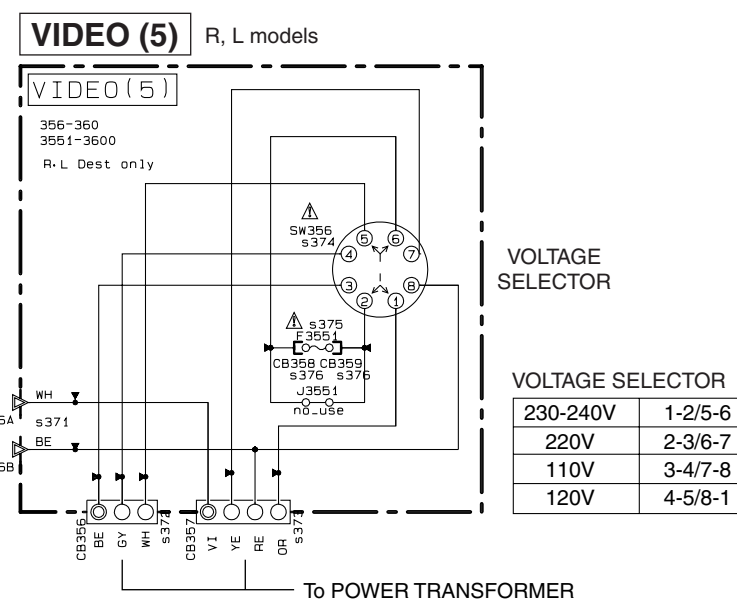
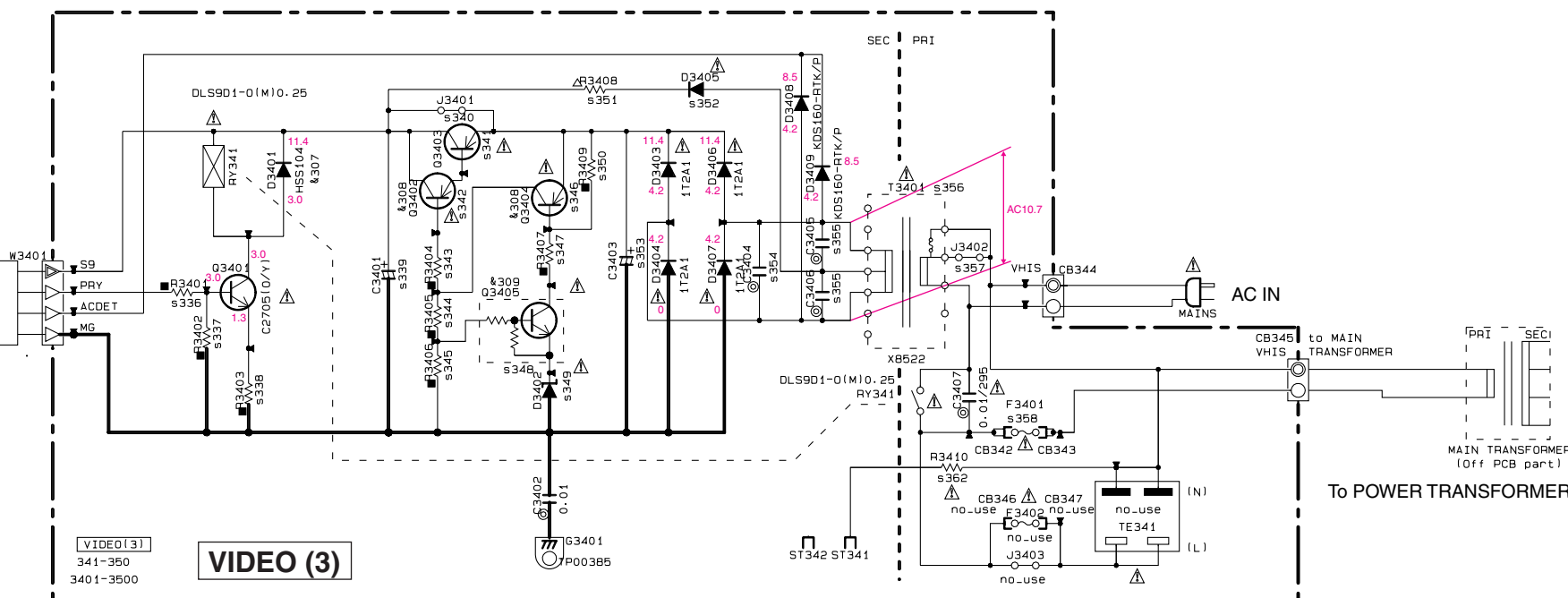
RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
□	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
■	METAL PLATE RESISTOR
▢	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
◇	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
○	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
○	MICA CAPACITOR
○	POLYPROPYLENE FILM CAPACITOR
○	SEMICONDUCTIVE CERAMIC CAPACITOR

IC301: MM74HC4051SJX
8-channel analog multiplexerIC311: TC74HC4052AF
Analog multiplexer/demultiplexer

[illegible]

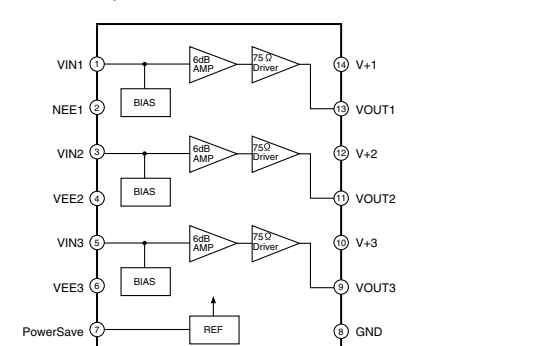
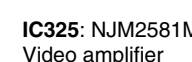
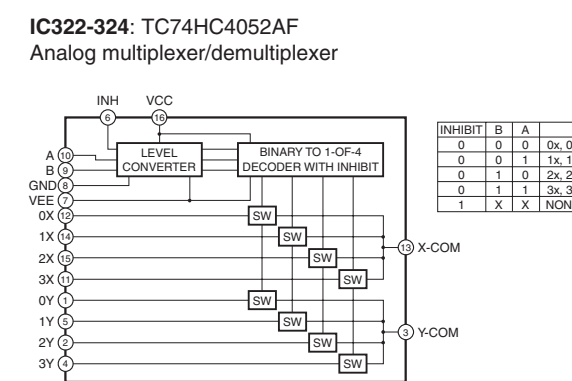
RESISTOR		PARTS NAME
REMARKS		
NO MARK	CARBON FILM RESISTOR	(P=5)
	CARBON FILM RESISTOR	(P=10)
	METAL OXIDE FILM RESISTOR	
	METAL FILM RESISTOR	
	METAL PLATE RESISTOR	
	FIRE PROOF CARBON FILM RESISTOR	
	CEMENT MOLED RESISTOR	
	SEMI VARIABLE RESISTOR	
	CHIP RESISTOR	

CAPACITOR	
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	CERAMIC TUBULAR CAPACITOR
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⊙	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
⊗	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR

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