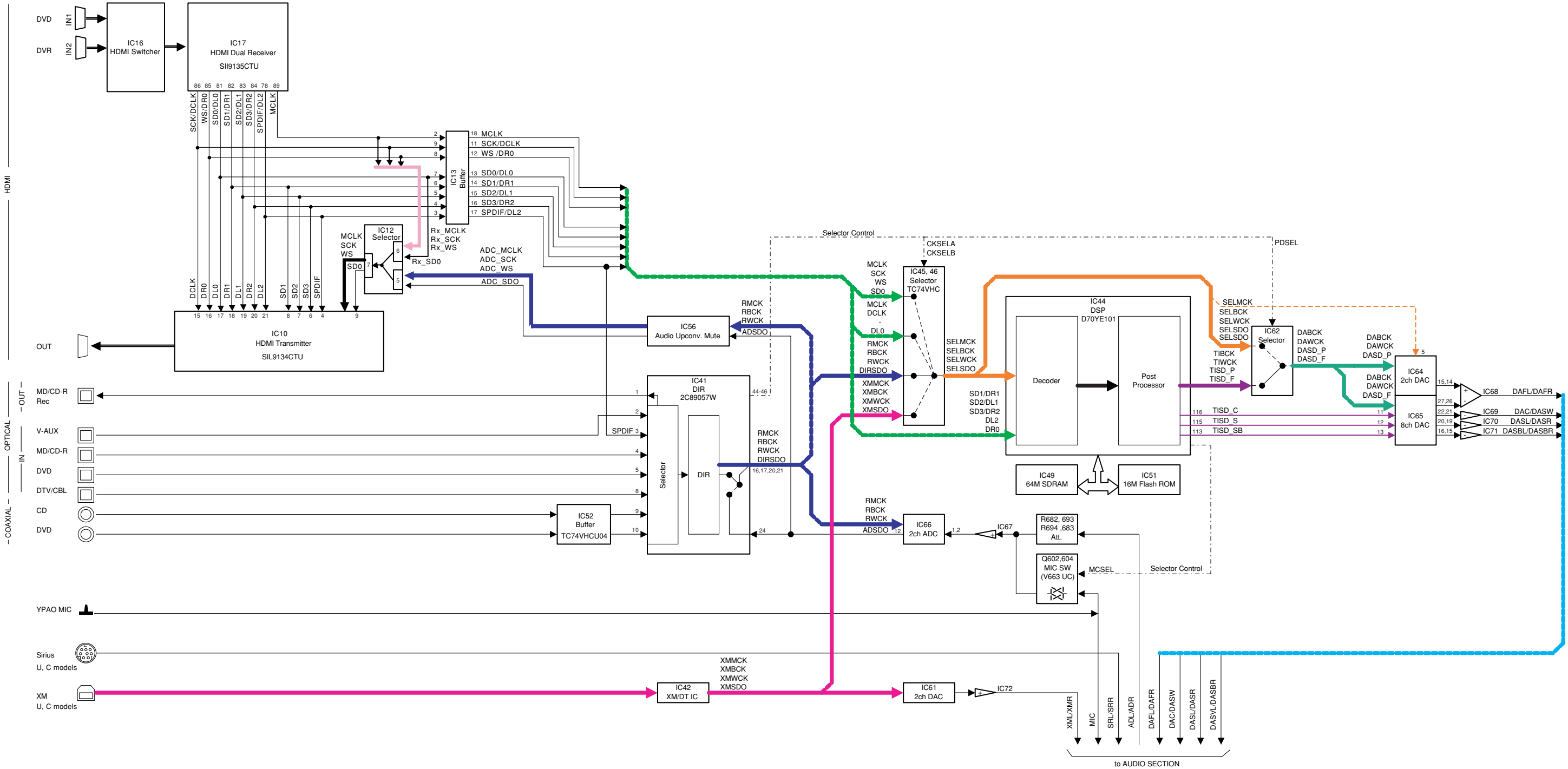


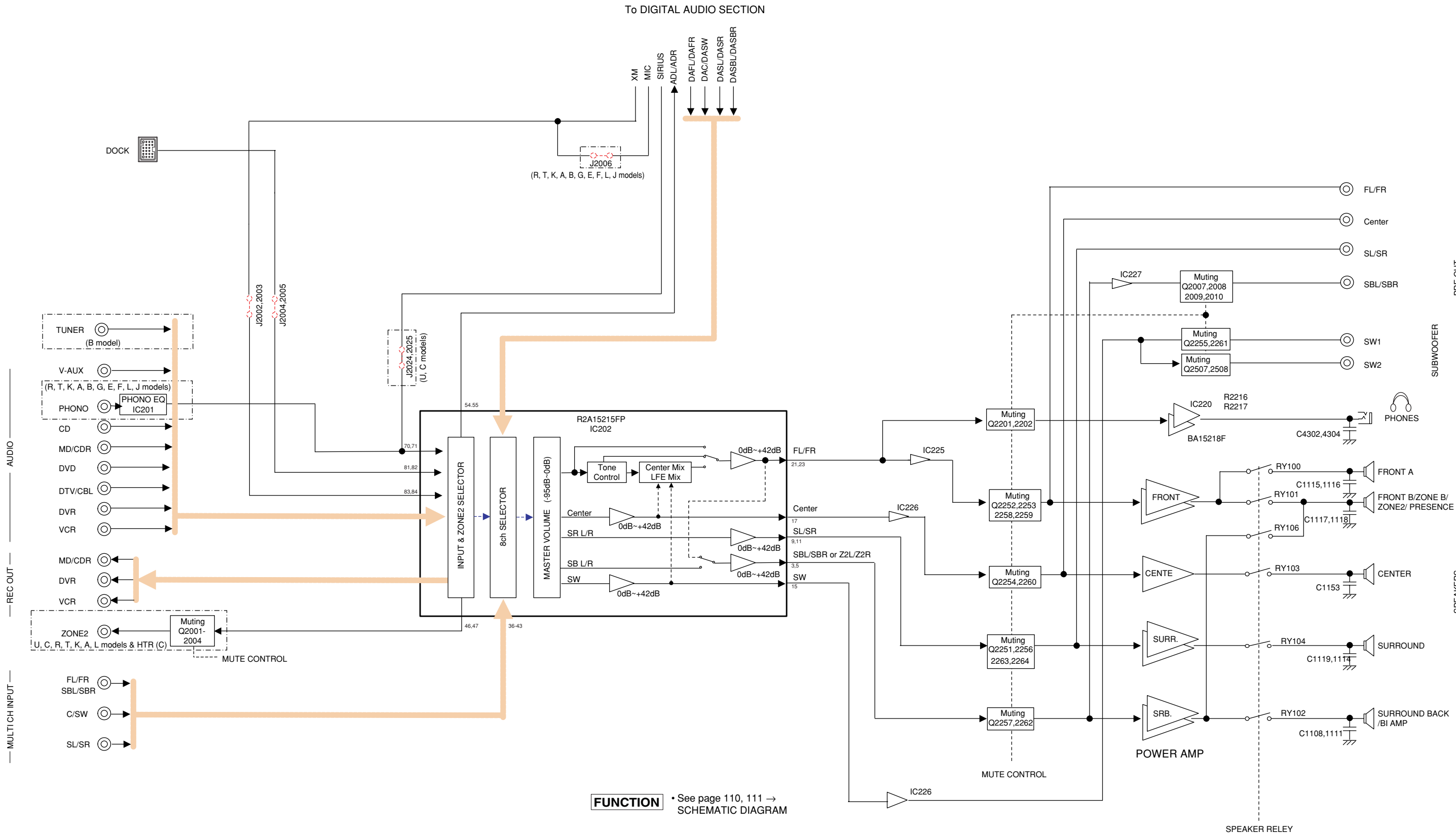
■ BLOCK DIAGRAMS

AUDIO (DIGITAL) SECTION BLOCK DIAGRAM

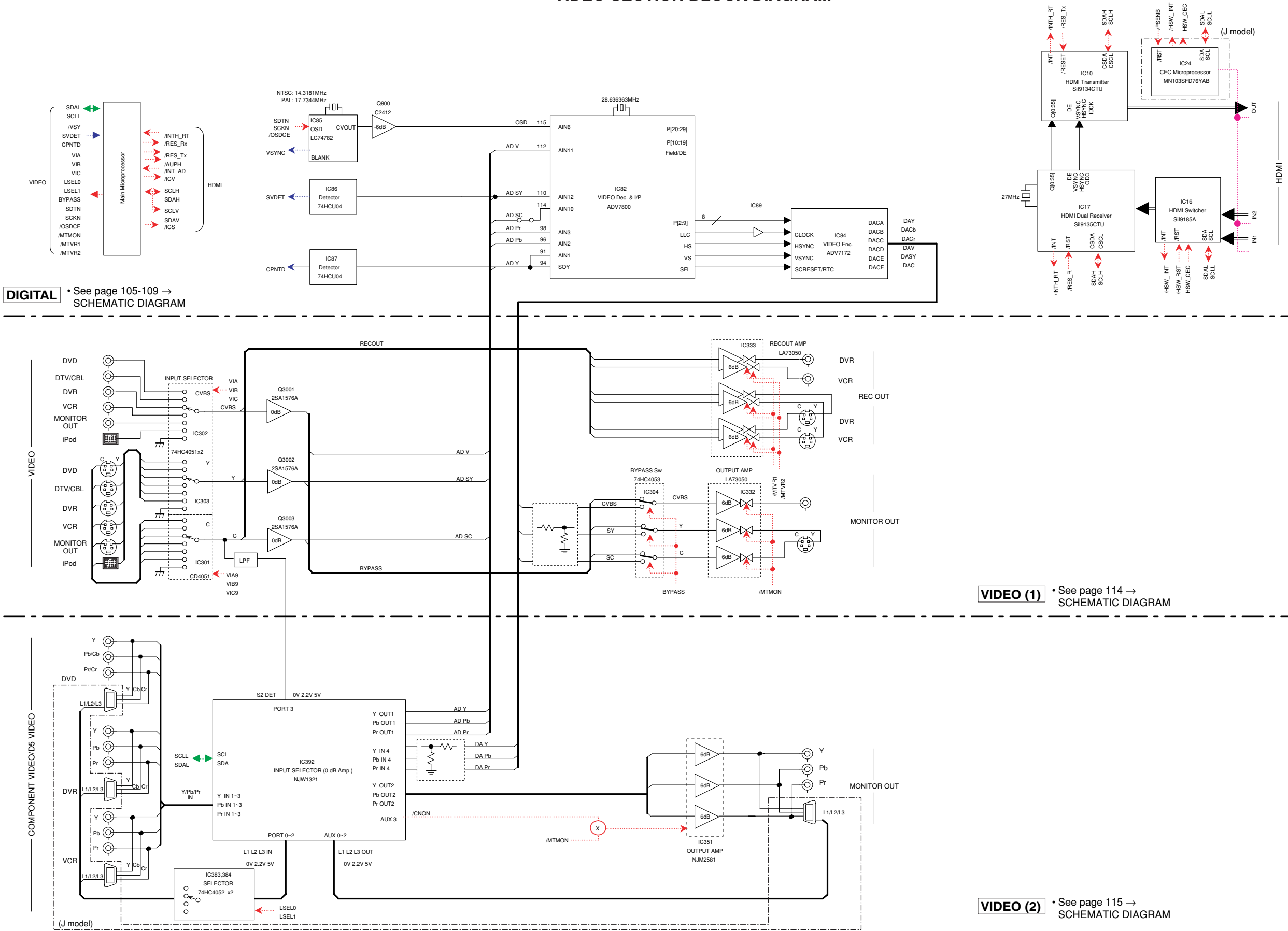
DIGITAL • See page 105-109 → SCHEMATIC DIAGRAM



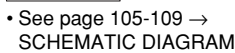
AUDIO (ANALOG) SECTION BLOCK DIAGRAM



VIDEO SECTION BLOCK DIAGRAM

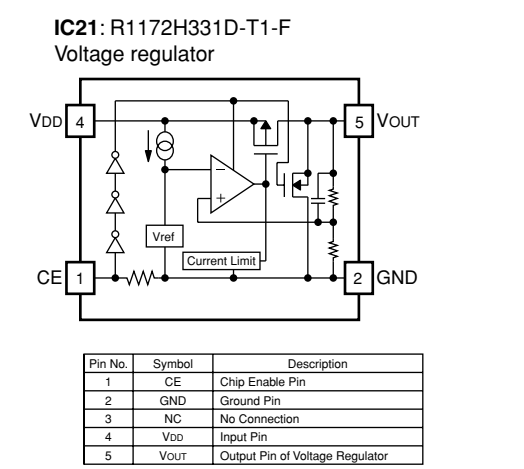
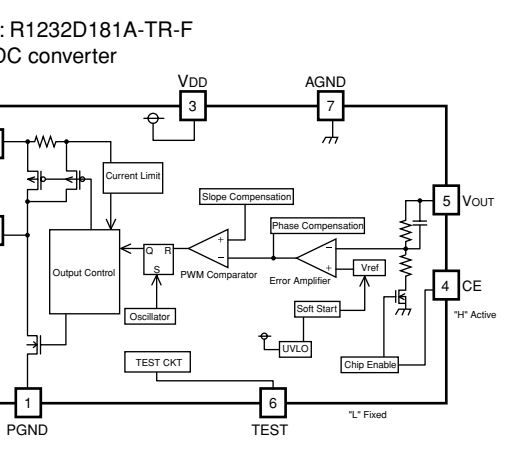
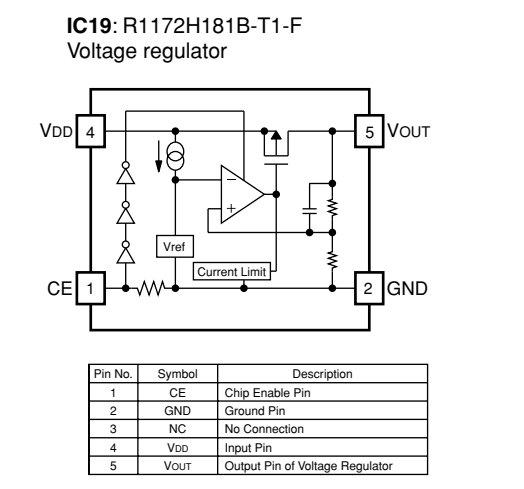
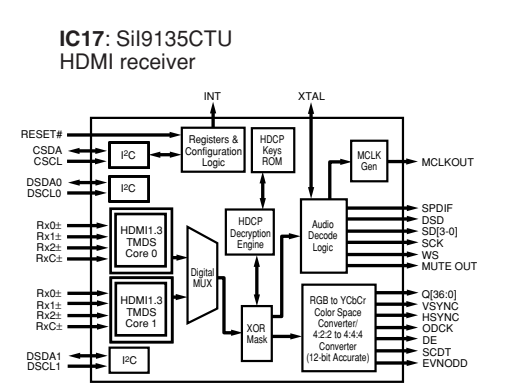
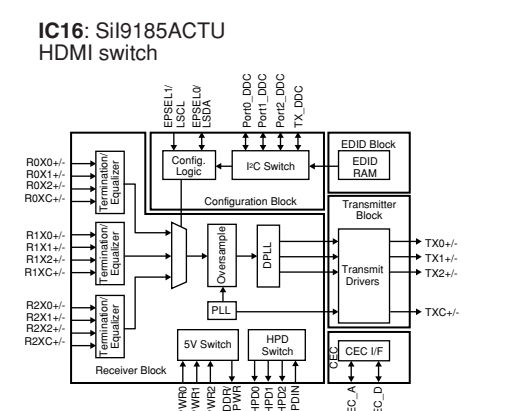
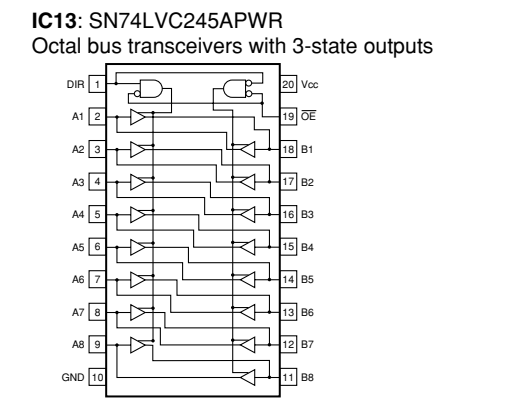
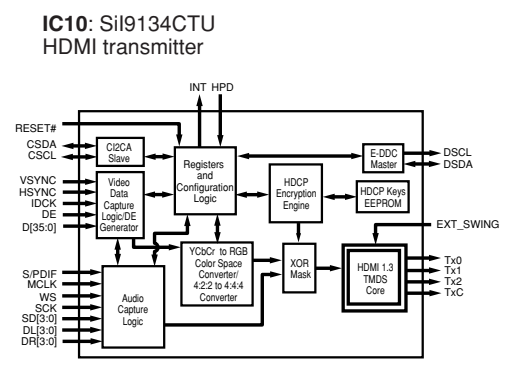
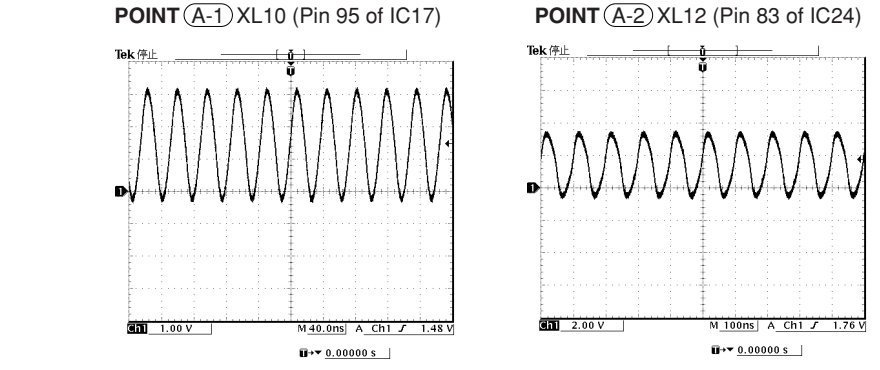
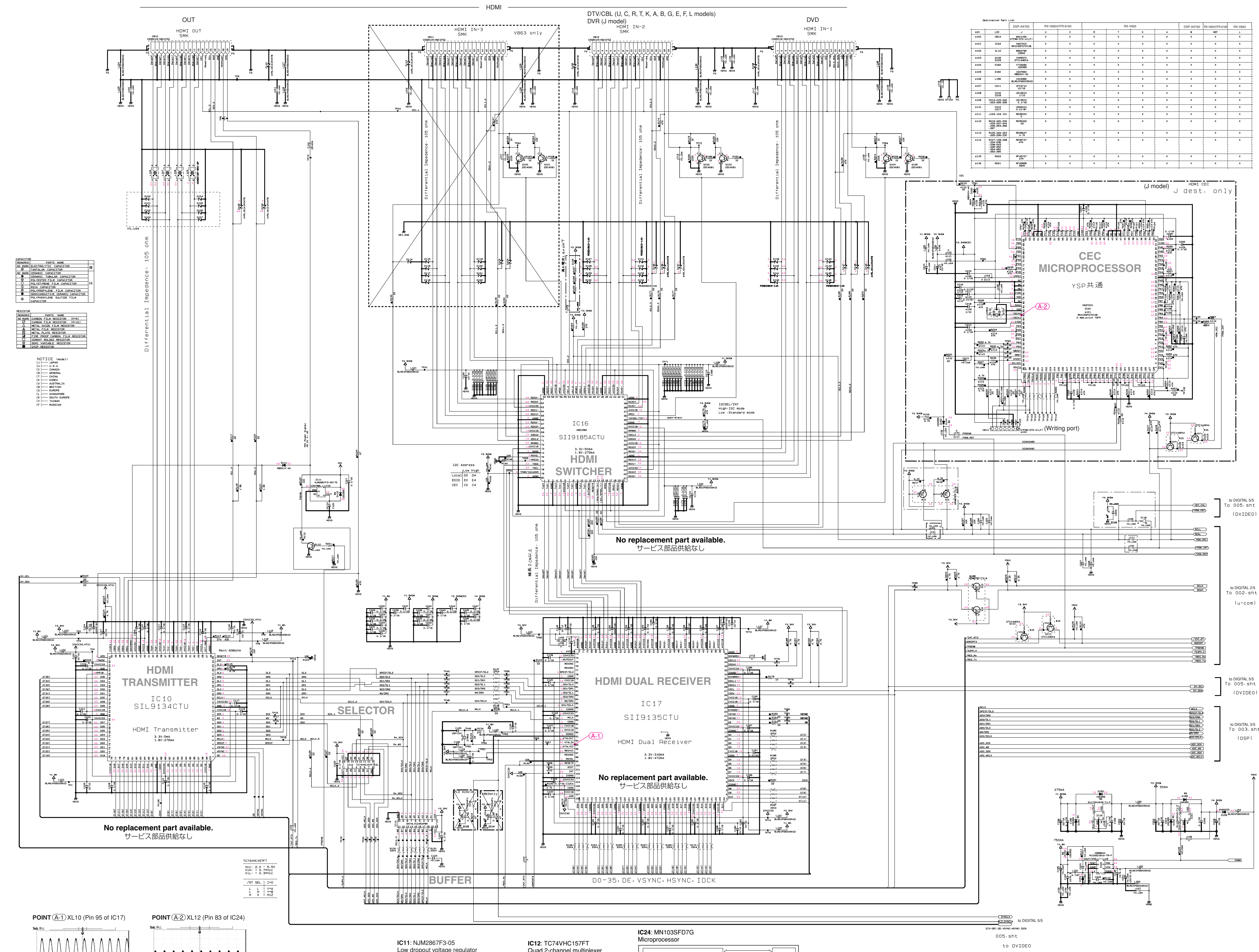


POWER TRANSFORMER



SCHEMATIC DIAGRAMS
DIGITAL 1/5

RX-V663/HTR-6160/DSP-AX763



★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ Components having special characteristics are marked with a star, 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。
● 星印のある部品は、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。

DIGITAL 3/5

Page 112 H2
to OPERATION (4)_W442

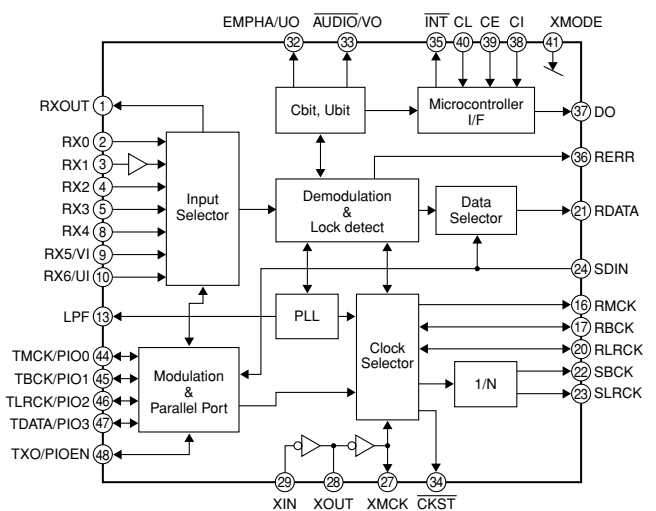
to DIGITAL 2/5
to 002.sht(u-com)

s1 ~19:002.sht(u-com)
*s20~80:004.sht(DSP)
sB1~99:005.sht(DVIDE0)

Destination Parts List

DSP	AX763	RX-V663HTR-6160	RX-V663	DSP	AX763	RX-V663HTR-6160	RX-V663
6XX	LOC	J	UC	6XX	LOC	J	UC
620	CB41	X	WJ0870	620	CB41	X	WJ0870
621	ST41	X	NJ56810	621	ST41	X	NJ56810
622	D401	X	AVR1614HINTB	622	D401	X	AVR1614HINTB
623	J403	X	R035000	623	J403	X	R035000
624	C418	X	US13510	624	C418	X	US13510
625	R424	X	R035010	625	R424	X	R035010
626	R425	X	R035010	626	R425	X	R035010
627	R418	X	R035033	627	R418	X	R035033
628	AL41	X	W40930	628	AL41	X	W40930
629	R426	X	R035010	629	R426	X	R035010
630	R429	X	R035010	630	R429	X	R035010
631	C424	X	US13510	631	C424	X	US13510
632	IC42	X	F202101-TB	632	IC42	X	F202101-TB
633	R403	X	R035447	633	R403	X	R035447
634	R405	X	R035722	634	R405	X	R035722
635	L404	X	BLM160000N10	635	L404	X	BLM160000N10
636	R500	X	R035810	636	R500	X	R035810
637	J441	X	MD-58130-90	637	J441	X	MD-58130-90
638	C421	X	WJ0870	638	C421	X	WJ0870
639	C422	X	US13510	639	C422	X	US13510
640	R403	X	R035410	640	R403	X	R035410
641	R404	X	R035410	641	R404	X	R035410
642	R405	X	R035410	642	R405	X	R035410
643	R406	X	R035410	643	R406	X	R035410
644	R407	X	R035410	644	R407	X	R035410
645	R408	X	R035410	645	R408	X	R035410
646	R409	X	R035410	646	R409	X	R035410
647	IC57	X	NJ4565M	647	IC57	X	NJ4565M
648	C439	X	US13510	648	C439	X	US13510
649	C440	X	US13510	649	C440	X	US13510
650	C441	X	US13510	650	C441	X	US13510
651	U41	X	WJ0870	651	U41	X	WJ0870
652	U42	X	WJ0870	652	U42	X	WJ0870
653	U43	X	WJ0870	653	U43	X	WJ0870
654	L405	X	BLM160000N10	654	L405	X	BLM160000N10

REMARKS	PARTS NAME	REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR	NO MARK	ELECTROLYTIC CAPACITOR
NO MARK	CERAMIC CAPACITOR	NO MARK	CERAMIC CAPACITOR
NO MARK	CERAMIC TUBULAR CAPACITOR	NO MARK	CERAMIC TUBULAR CAPACITOR
NO MARK	POLYESTER FILM CAPACITOR	NO MARK	POLYESTER FILM CAPACITOR
NO MARK	POLYPROPYLENE FILM CAPACITOR	NO MARK	POLYPROPYLENE FILM CAPACITOR
NO MARK	SEMI-CONDUCTIVE CERAMIC CAPACITOR	NO MARK	SEMI-CONDUCTIVE CERAMIC CAPACITOR
NO MARK	POLYBUTYLENE SULFIDE FILM CAPACITOR	NO MARK	POLYBUTYLENE SULFIDE FILM CAPACITOR

IC41: LC89057V-WF4D-E
Digital audio interface transceiver

Destination Part List

CAPACITOR		
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	自
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	H
⊙	CERAMIC TUBULAR CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
⊙	POLYSTYRENE FILM CAPACITOR	
⊙	MICA CAPACITOR	
⊙	POLYPROPYLENE FILM CAPACITOR	
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR	
⊙	POLYPHENYLENE SULFIDE FILM CAPACITOR	

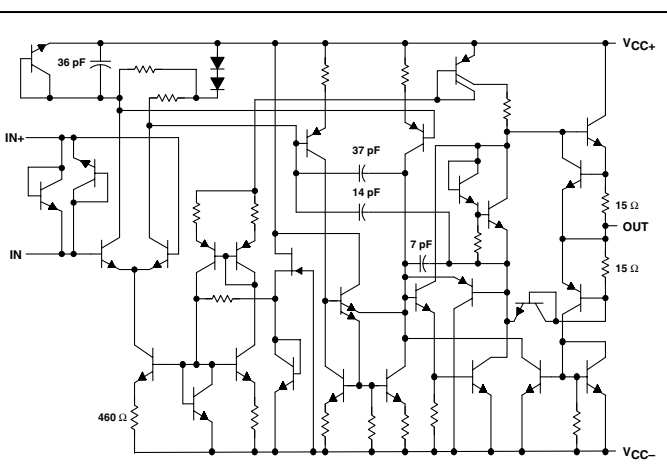
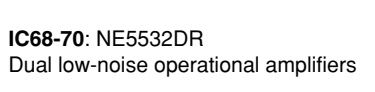
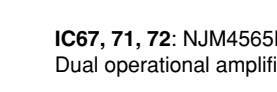
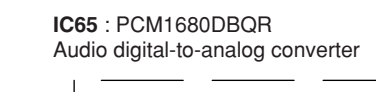
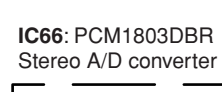
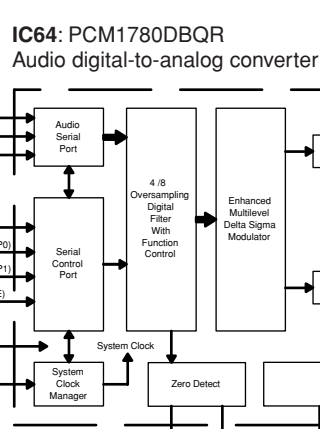
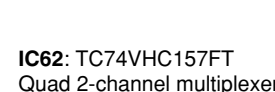
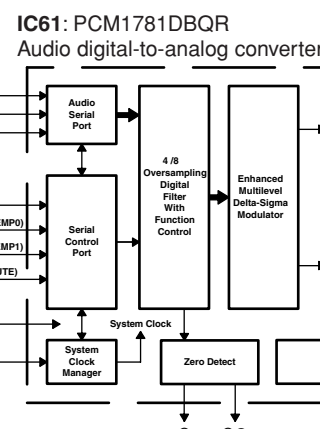
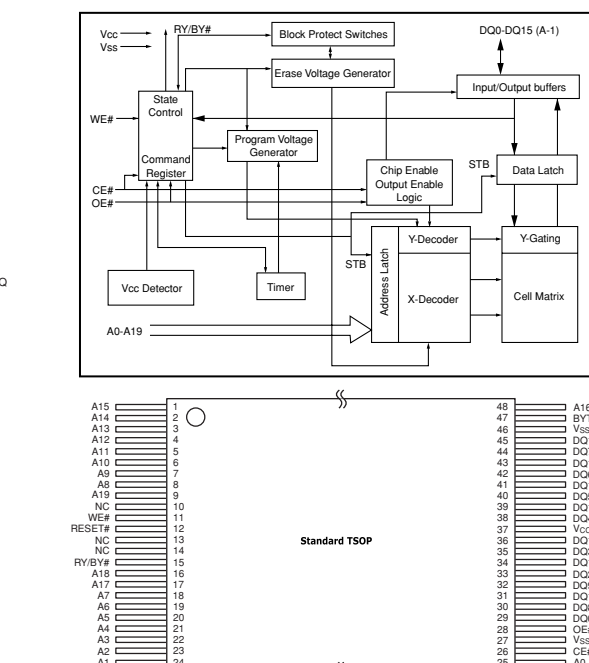
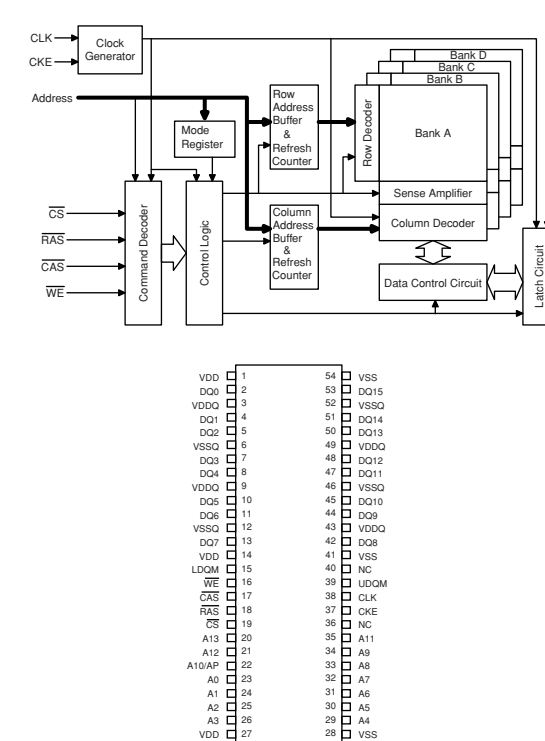
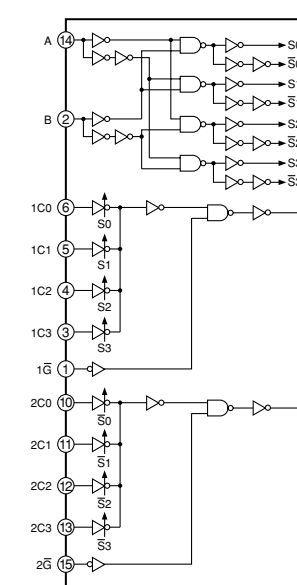
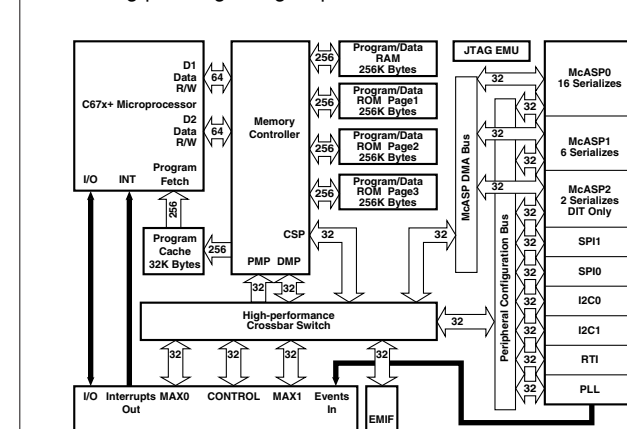
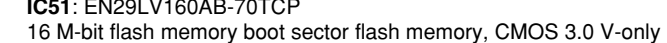
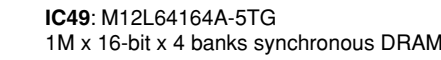
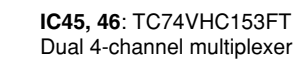
RESISTOR		
REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR (P=5)	
	CARBON FILM RESISTOR (P=10)	
	METAL OXIDE FILM RESISTOR	
	METAL FILM RESISTOR	
	METAL PLATE RESISTOR	
	FIRE PROOF CARBON FILM RESISTOR	
	CEMENT MOLDED RESISTOR	
	SEMI VARIABLE RESISTOR	
	CHIP RESISTOR	

```

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

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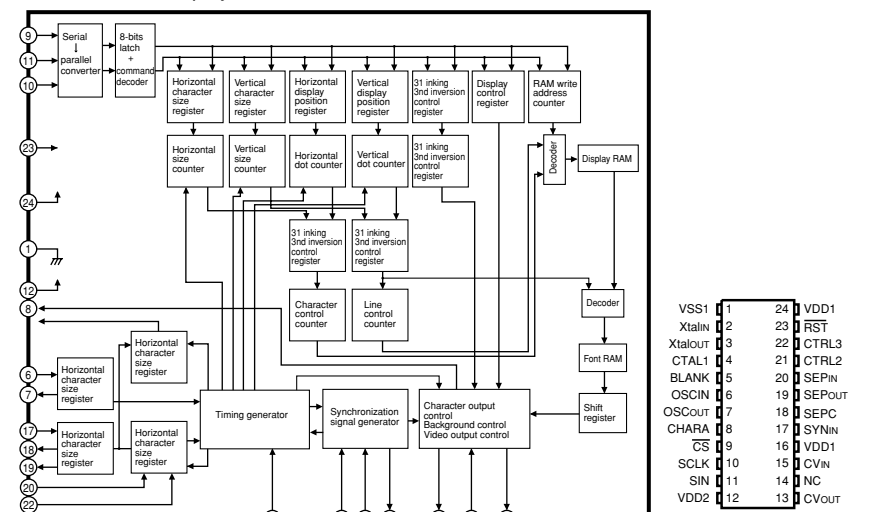
IC BLOCK DIAGRAMS DIGITAL 3/5



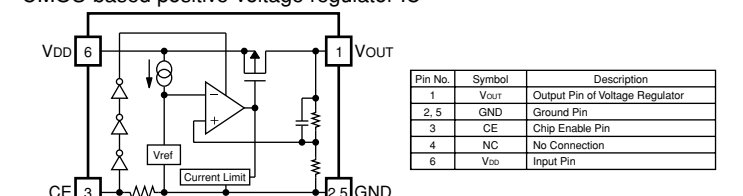
1OUT 1 8 V_{CC}
1IN- 2 7 2OU
1IN+ 3 6 2IN-
V_{CC} 4 5 2IN+

- ★ All voltages are measured with a 10M Ω /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.

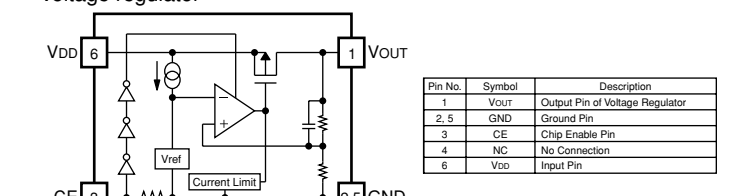
- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- ㊦印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがございます。



IC80: R1172S331B-E2-F
CMOS-based positive-voltage regulator IC



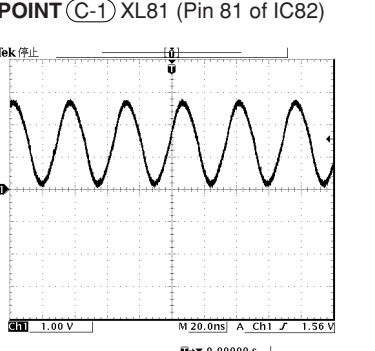
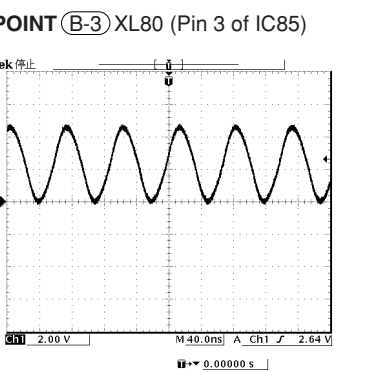
IC99: R1172S181B-E2-F
Voltage regulator



CAPACITOR		RESISTOR	
REMARKS	PARTS NAME	REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR	NO MARK	CARBON FILM RESISTOR (P=0)
Ⓜ	TANTALUM CAPACITOR	Ⓜ	CARBON FILM RESISTOR (P=10)
NO MARK	CERAMIC CAPACITOR	Ⓜ	METAL OXIDE FILM RESISTOR
Ⓜ	CERAMIC TUBULAR CAPACITOR	Ⓜ	METAL FILM RESISTOR
Ⓜ	POLYESTER FILM CAPACITOR	Ⓜ	METAL PLATE RESISTOR
Ⓜ	POLYBENZENE FILM CAPACITOR	Ⓜ	FINE PITCH CARBON FILM RESISTOR
Ⓜ	MICA CAPACITOR	Ⓜ	CEMENT MOLDED RESISTOR
Ⓜ	POLYPROPYLENE FILM CAPACITOR	Ⓜ	SEMI VARIABLE RESISTOR
Ⓜ	SEMICONDUCTIVE CERAMIC CAPACITOR	Ⓜ	CHTP RESISTOR
Ⓜ	POLYBENZENE SULFIDE FILM CAPACITOR		

NOTICE (model)

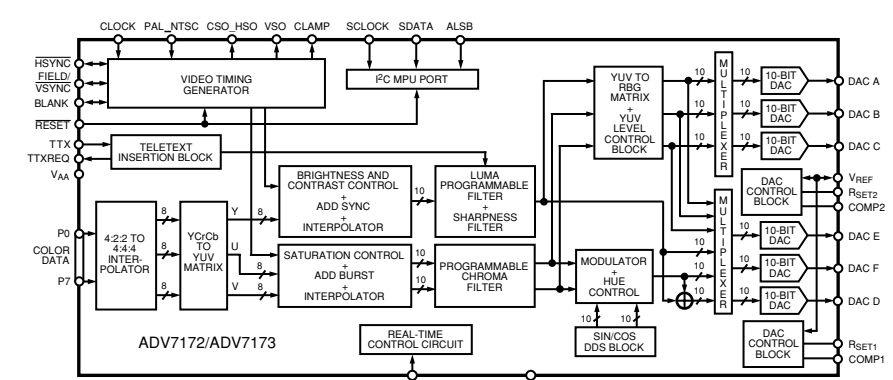
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)..... U. S. A
)..... CANADA
)..... GENERAL
)..... CHINA
)..... KOREA
)..... AUSTRALIA
)..... BRITISH
)..... EUROPE
)..... SINGAPORE
)..... SOUTH EUROPE
)..... TAIWAN
)..... RUSSIAN



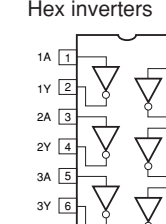
91-93
63-XZ283A0 SN74LVTH245APWR 0.1/16
63-XZ287A0 SN74LVLC245APWR

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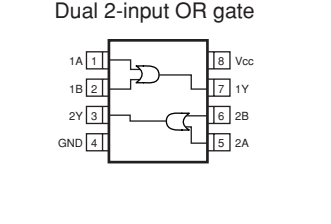
IC84: ADV7172KSTZ
Digital PAL/NTSC video encoder



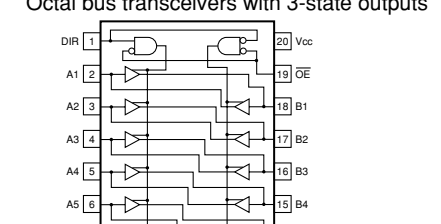
IC86, 87: TC74



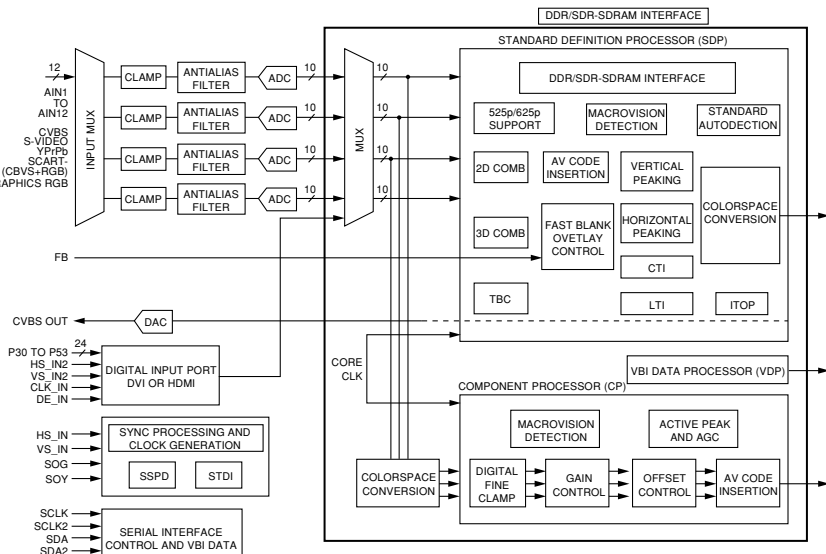
IC89: TC7WZ32FK (TE85L, F



IC91-93: SN74LVC245APWR
Octal bus transceivers with 3-state outputs



IC82: ADV7800BSTZ-80
10-bit, SDTV/DTV 3D comb filter, video decoder and graphics digitizer



DVIDEO
CB/IC/XL: 80 -99
OTHER : 800-999

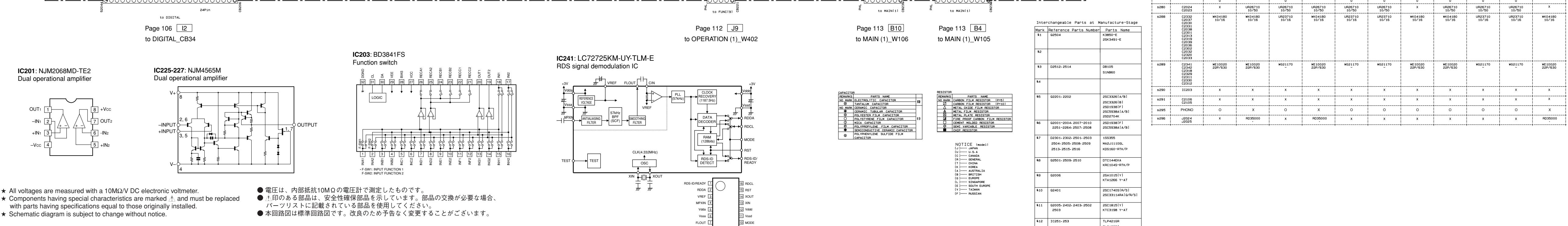
DIGITAL (5)

★ All voltages are measured with a 10MΩ/12 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.

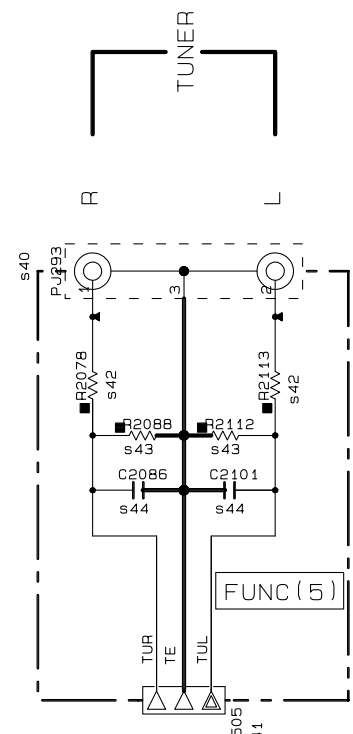
● 電圧は、内部抵抗10MΩの電圧計で測定したものです。

● 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。

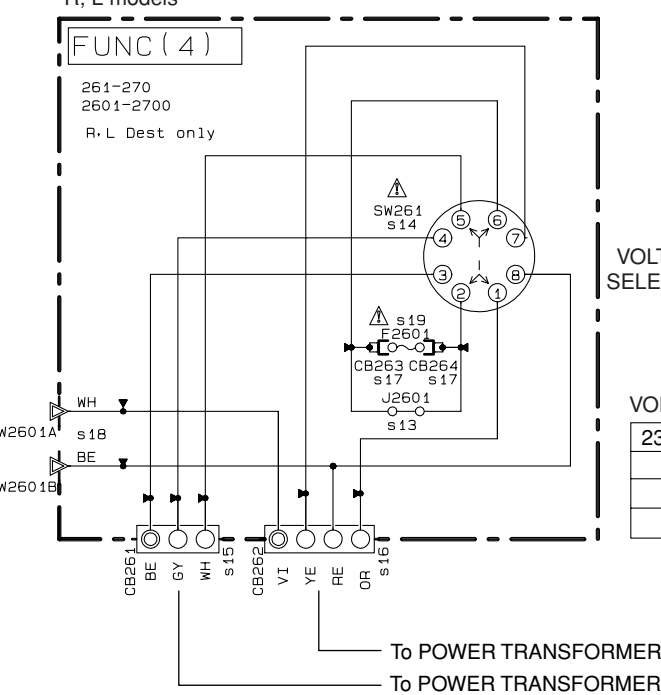
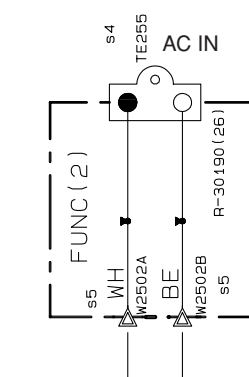
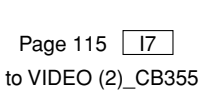


PCOA	12	12	POST	(E)..... SOUTH EUROPE
VREF	12	12	KOUT	(V)..... FARM
MPXIN	12	12	XIN	(F)..... RUSSIAN
Vdda	15	12	Vadd	
Vvda	16	12	Vvdd	

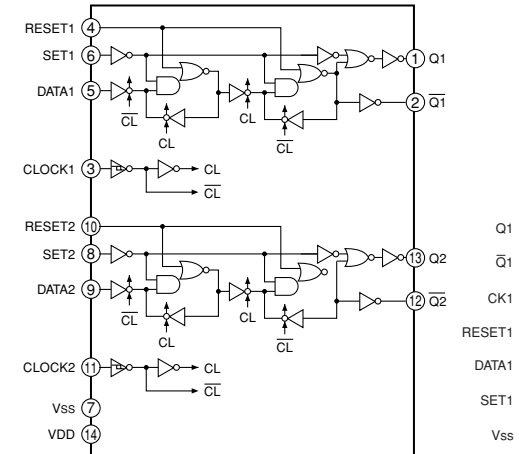
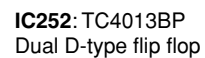


FUNCTION (5)

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

Page 114 K5
b VIDEO (1)_CB304

IC220: BA15218F
Dual high slew rate, low noise operational amplifier



INPUTS				OUTPUTS	
RESET	SET	DATA	CK Δ	Qn + 1	Qn + 1
L	H	*	*	H	L
H	L	*	*	L	H
H	H	*	*	H	H
L	L	L	Δ	L	H
L	L	H	Δ	H	L
L	L	*	L	Qn'	Qn'

* : Don't care
 Δ : Level change
 ' : No change

111

OPERATION

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 (model)

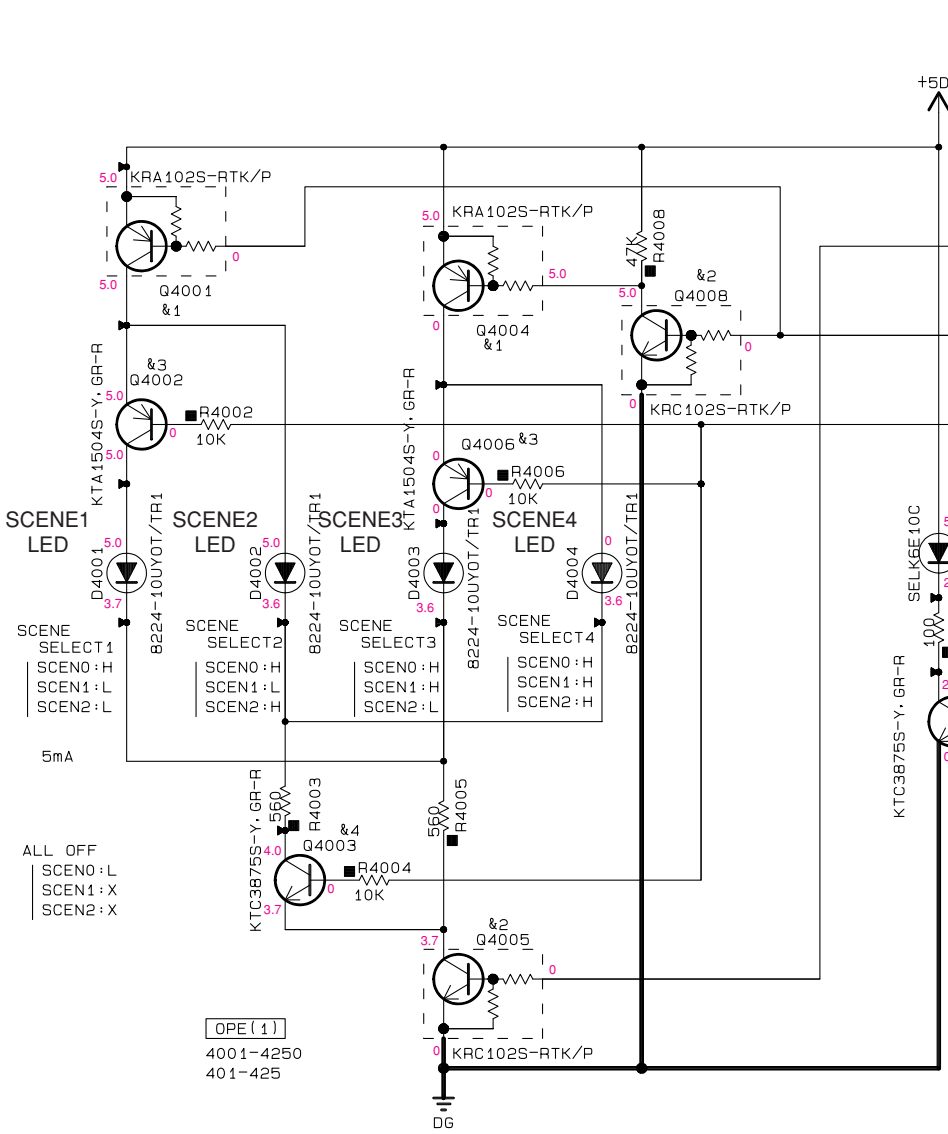
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(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

Destination Part List						
		DSP-AX763	RX-V663	DSP-AX763	HTR-6160	
sXX	LOC	J	UCRTKAGEFL	B	UF	C
s402	SW415 SW419 SW416 SW421 SW418 SW414 SW401 SW413 SW409 SW406	WD48310 SKRGAAD010	WD48310 SKRGAAD010	X	WD48310 SKRGAAD010	WD48310 SKRGAAD010
s403	R4039	RD35633 3.3K	RD35633 3.3K	X	RD35633 3.3K	RD35633 3.3K
s404	R4045 R4051	RD35647 4.7K	RD35647 4.7K	X	RD35647 4.7K	RD35647 4.7K
s405	R4056	RD35668 5.6K	RD35668 5.6K	X	RD35668 5.6K	RD35668 5.6K
s406	R4063	RD35710 10K	RD35710 10K	X	RD35710 10K	RD35710 10K
s407	R4067	RD35722 22K	RD35722 22K	X	RD35722 22K	RD35722 22K
s408	R4061	X	RD35710 10K	X	RD35710 10K	X
s409	D4015	X	V259620 S1R-505STA47	X	V259620 S1R-505STA47	X
s410	G4014	WC43500 KRC102S-RTK/P	WC43500 KRC102S-RTK/P	X	WC43500 KRC102S-RTK/P	WC43500 KRC102S-RTK/P
s411	D4008	X	VT33290 15S355	X	VT33290 15S355	X
s413	SW422	X	X	WD48310 SKRGAAD010	X	X
s416	C4003 C4004	X	US06310 1000P(B)	X	US06310 1000P(B)	X
s421	SW424	X	WD48310 SKRGAAD010	X	WD48310 SKRGAAD010	X
s441	J4401	X	RD35000	RD35000	RD35000 0	RD35000
s442	C4409	US13510 0.1/16	X	X	X	X

Interchangeable Parts at Manufacture-Stage

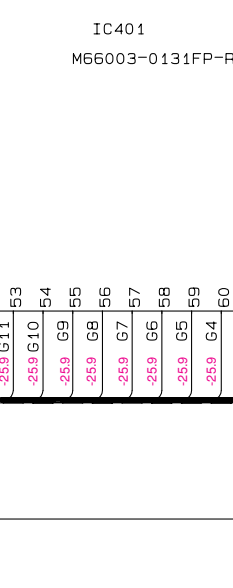
Mark	Reference Parts Number	Parts Name
k1	G4001-4004	KRA102S-RTK/P DTA114EKA
k2	G4005-4008-4012- G4014-4018	KRC102S-RTK/P DTC114EKA
k3	G4002-4006	KT1504S-Y-GR-RTK/P A1037AK(G/R/S)
k4	G4003-4007-4009-4011- 4019-4022	KTC3875S-Y-GR-RTK/P C2412K(G/R/S) 2885UM(M/L/W/S)
k5	15S355 D4008-4012-4016-4017 4302-4303-4401-4404	MA2J11106L K05160(R/W/S) TC7SET32FU SN74AHCT1632DCKR
k6	IC441	IC441
k7	V401	17-BT-356NK HNA-17MK05T

OPERATION (1)



FL DRIVER

IC401
M66003-0131FP-R



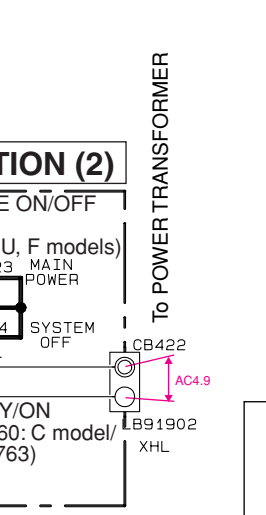
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to DIGITAL_CB30

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OPERATION (2)

MAIN ZONE ON/OFF
STANDBY/ON
(RX-V663/
HTR-6160: U, F models)
(DSP-AX763)



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Page 107 [E2]
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Page 110 [A4]
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Page 107 [E2]
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Page 110 [A4]
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Page 107 [E2]
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Page 110 [A4]
to FUNCTION (1)_CB201

Page 107 [E2]
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Page 110 [A4]
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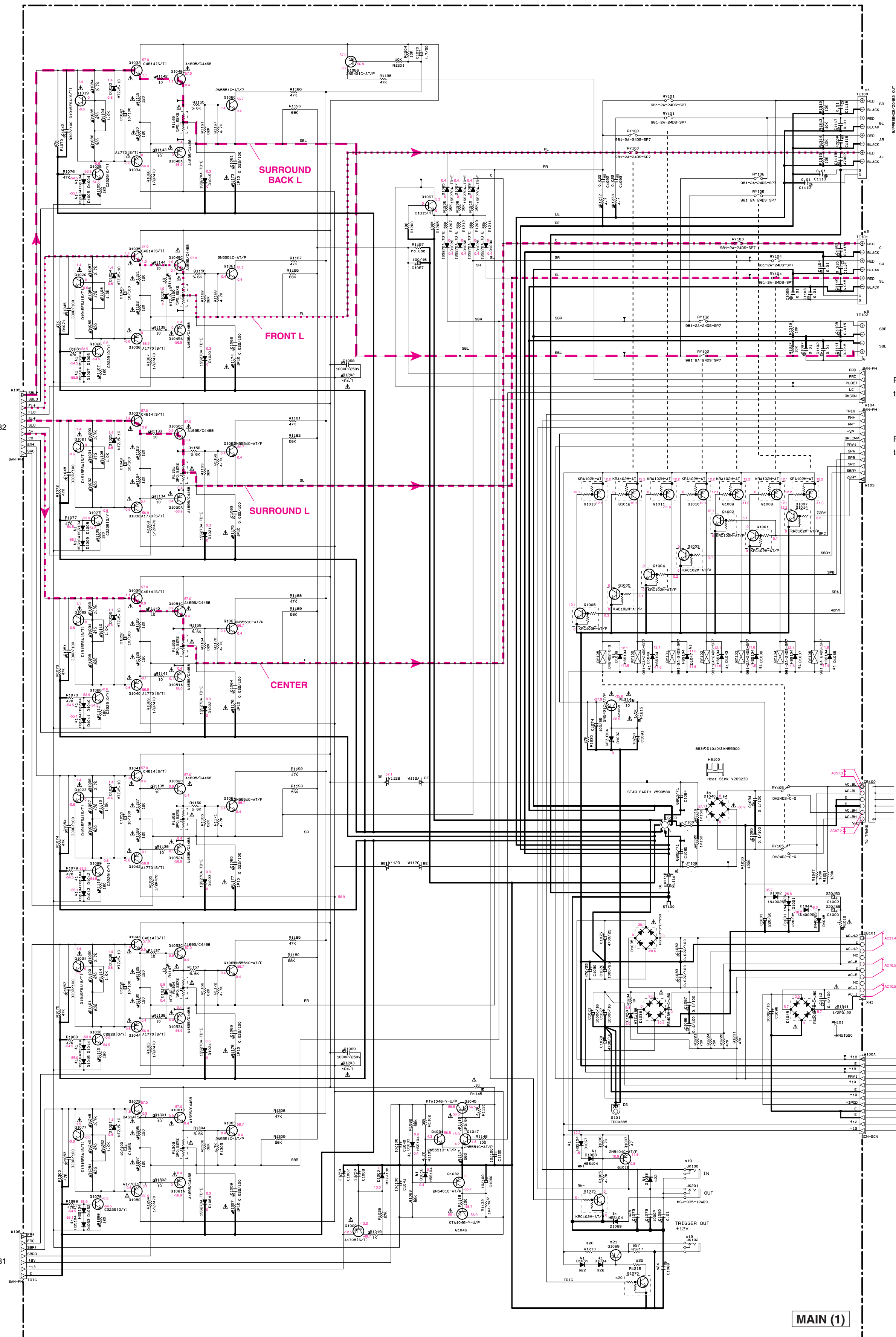
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to FUNCTION (1)_CB201

MAIN

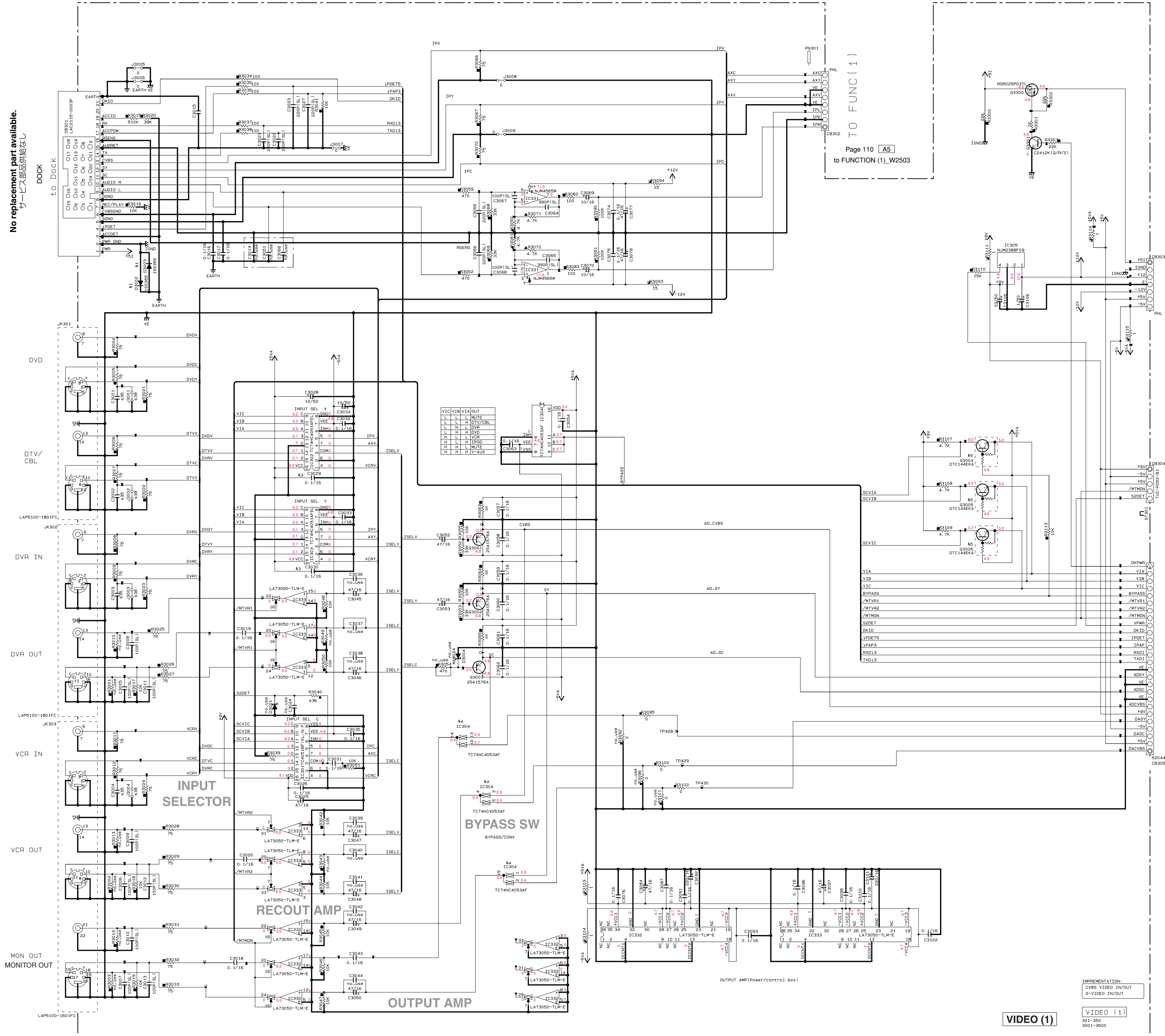


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x6	TR105
x7	TR106
x8	TR107
x9	TR108
x10	TR109
x11	TR110
x12	TR111
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x530	TR629

VIDEO 1/2

No replacement part available.
サービス部品供給なし

VIDEO



Interchangeable Parts at Manufacture-Stage

Item	Reference	Parts Number	Parts Name
A1	D3002-3003-3500-3504	3506	ISS355 M82J1100L KDS160-RTK/P
A2	IC383		TC74HC4052AF(TEL-F) NM74HC4052JXJL-NL
A3	IC302-303		TC74HC40514FEL NM74HC4051JXJL-NL
A4	IC304		TC74HC4053AF(TEL-F) NM74HC4053JXJL-NL
A5	D3004-3006		DT144EK4 KRC1045-RTK/P
A6	D3501		KRC1025-RTK/P DT114EK4

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

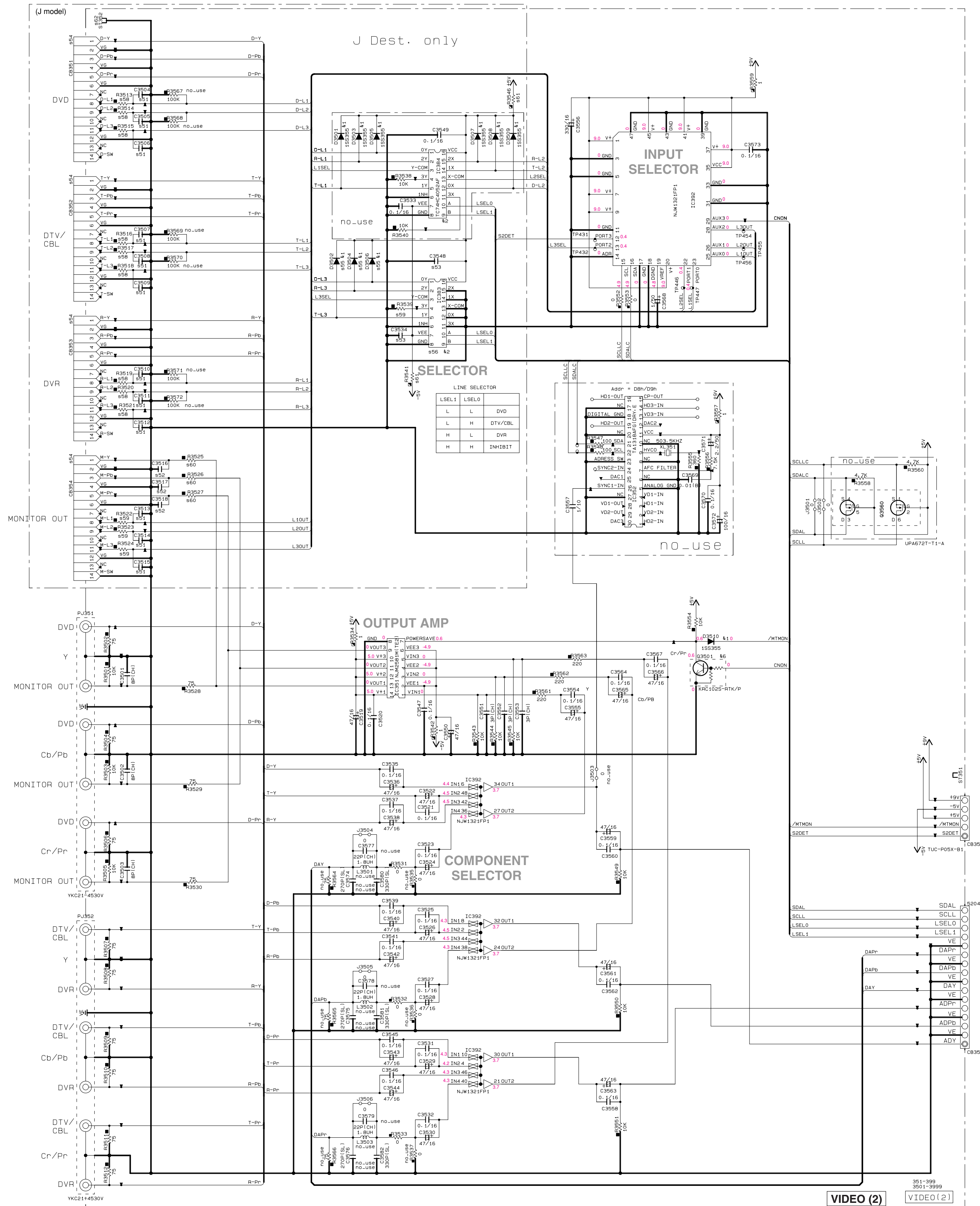
RESISTOR

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
①	MICA CAPACITOR
②	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

Destination Part List			
#XX	LOC	J	UCRTKABGEFL
#35	C3004 C3002 C3001 C3003	US13510 0.1/16	X
#36	R3040	RD35510 1K	X
#38	J3002 J3004 J3001 J3003	X	RD35000 0



VIDEO (2)

Destination Part List			
sxx	LOC	J	UCRTKABEFL
s51	C3P13	US06410	X
	C3P14	0. 01(B)	
	C3P15		
	C3P16		
	C3P17		
	C3P04		
	C3P07		
	C3P11		
	C3P05		
s52	C3P18	US06080	X
	C3P16	8P(CH)	
	C3P17		
	C3P48		
	C3P34		
s53	C3P48	US13610	X
	C3P34	0. 1/16	
s54	CB354	WD39840	X
	CB385		
	CB392	YK45-3011	
	CB351		
s55	D3566	VF33290	X
	C3P04		
	D3562		
s56	C3P33	K379040	X
	IC3893		
s58	R3P13	RD36510	X
	R3P14	100	
	R3P21		
	R3P15		
	R3P16		
	R3P17		
	R3P18		
	R3P19		
	R3P20		
s59	R3P24	RD37310	X
	R3P24	10K	
	R3P23		
	R3P22		
	R3P39		
s60	R3P26	RD35475	X
	R3P25	75	
	R3P27		
s61	R3P41	HV75310	X
	R3P46		
s62	ST352	X	V404050

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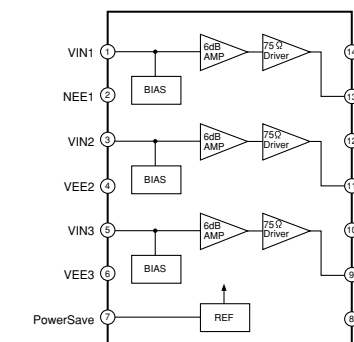
NOTICE (model)
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(C)..... CANADA
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(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

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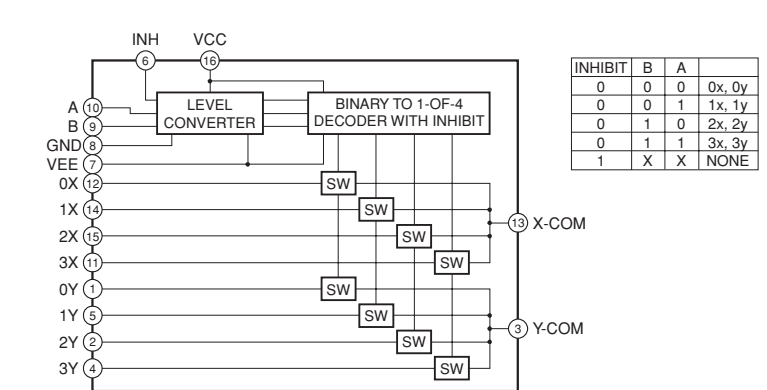
CAPACITOR		
REMARKS	PARTS NAME	
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⊗	TANTALUM CAPACITOR	
●	CERAMIC CAPACITOR	H
●	CERAMIC TUBULAR CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
①	MICA CAPACITOR	
○	POLYPROPYLENE FILM CAPACITOR	
●	SEMICONDUCTIVE CERAMIC CAPACITOR	

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	

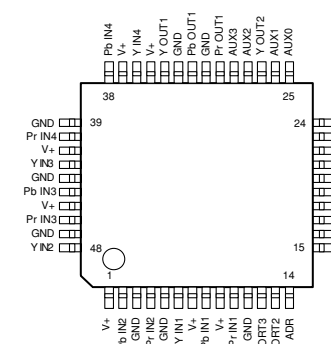
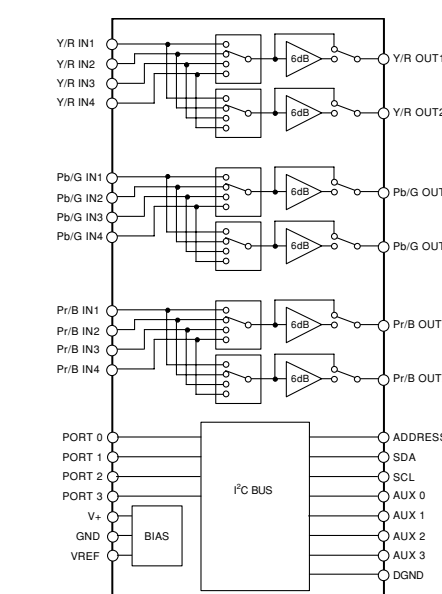
IC351: NJM2581M
Video amplifier



IC383: TC74HC4052AF
Analog multiplexer/demul



IC392: NJW1321FP1
Wide band video switch with I²C bus



TO FUNC(6)
Page 111 C5
to FUNCTION (6)_CB297

Page 109 G2
to DIGITAL_CB81

- * 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。
 - * 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。