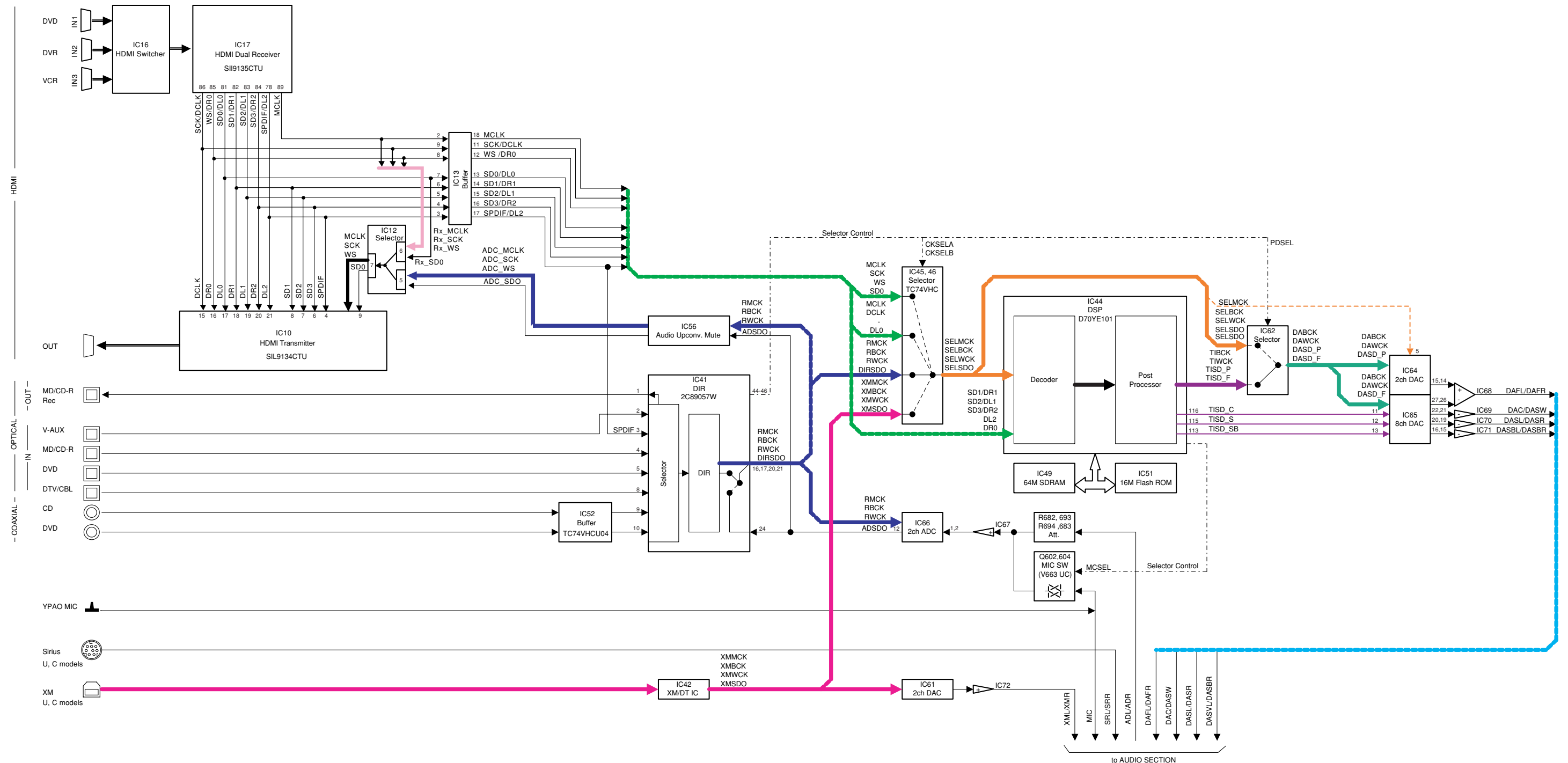


BLOCK DIAGRAMS

AUDIO (DIGITAL) SECTION BLOCK DIAGRAM

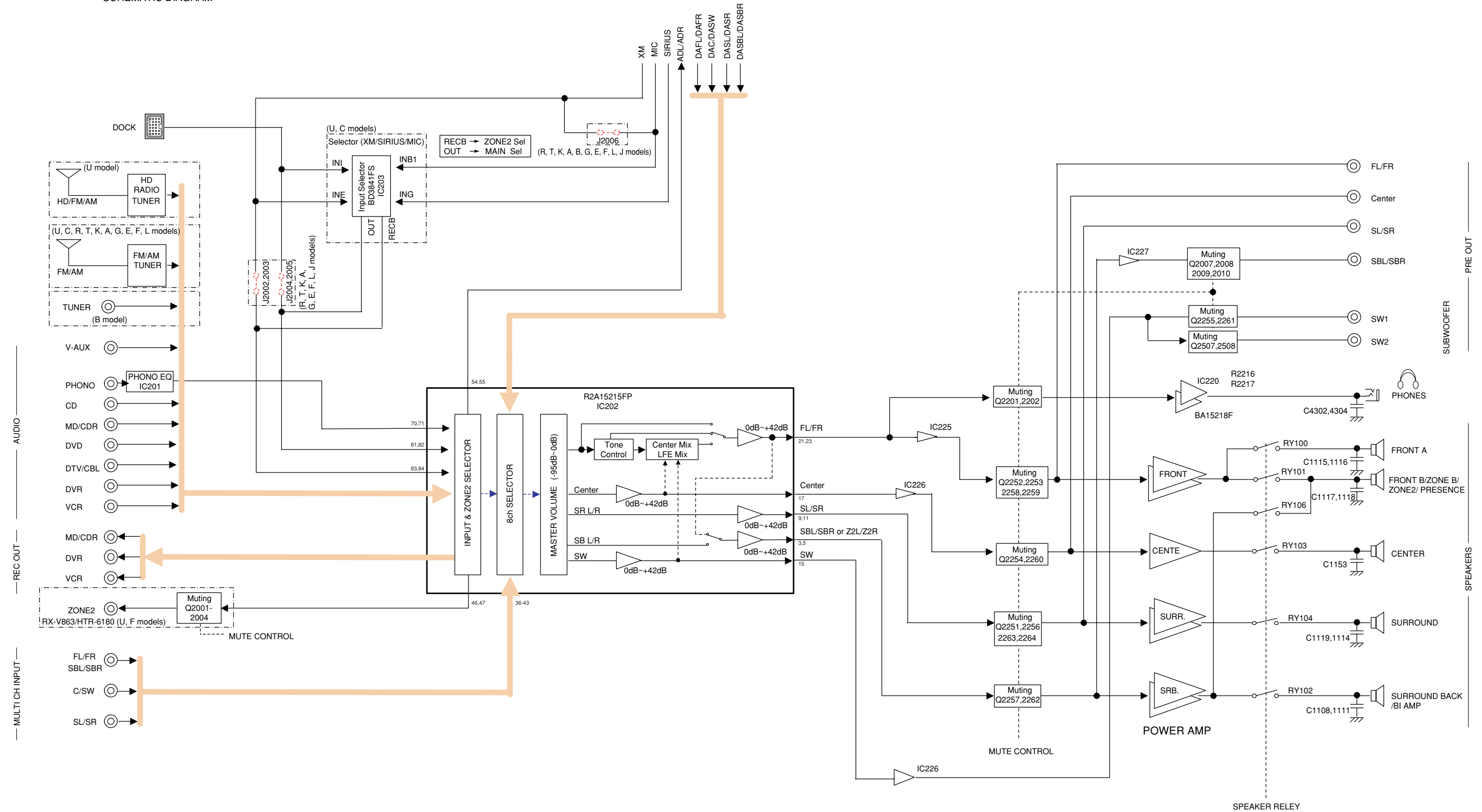
DIGITAL • See page 107-111 →
SCHEMATIC DIAGRAM



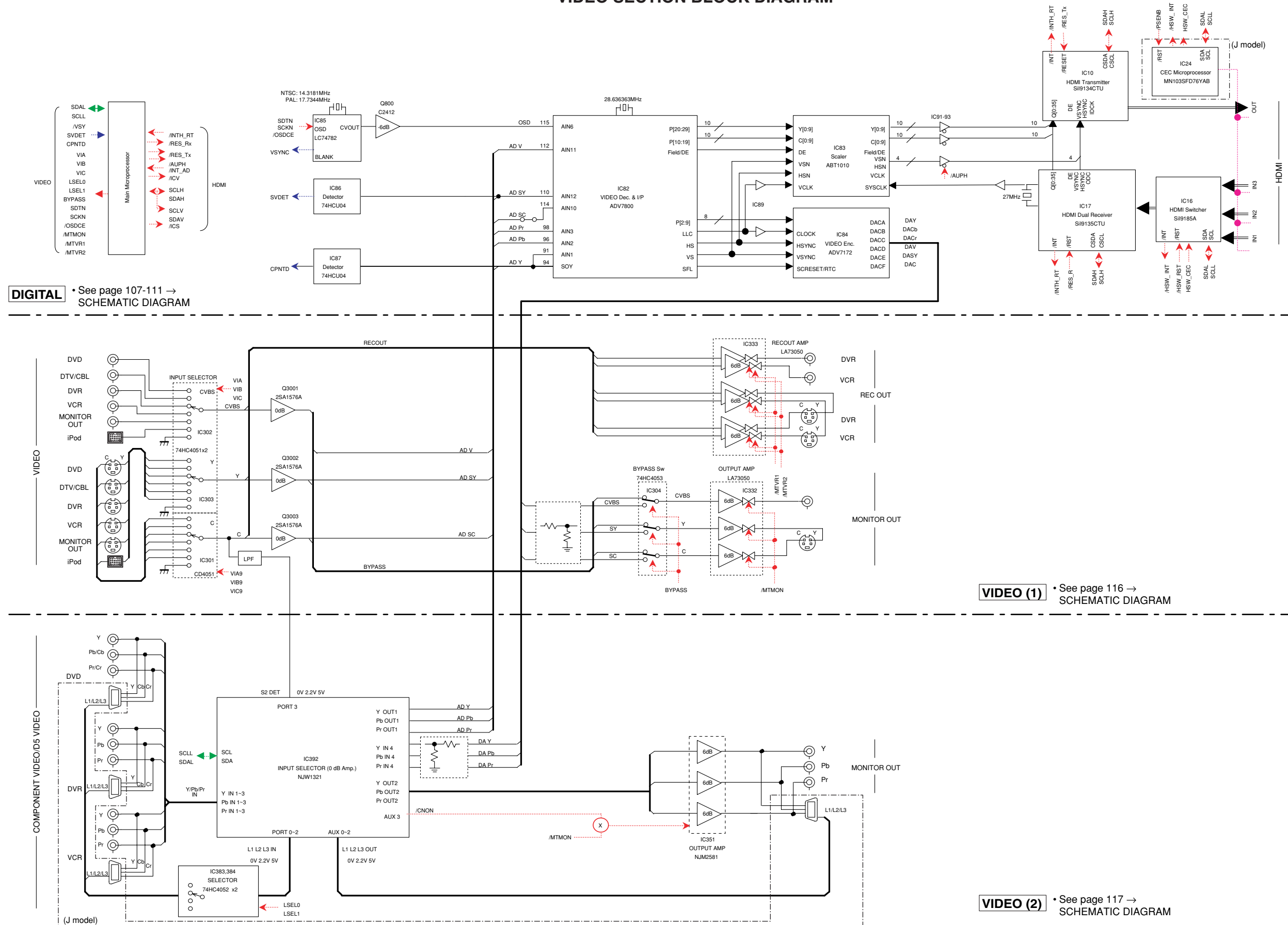
AUDIO (ANALOG) SECTION BLOCK DIAGRAM

FUNCTION • See page 112-113 →
SCHEMATIC DIAGRAM

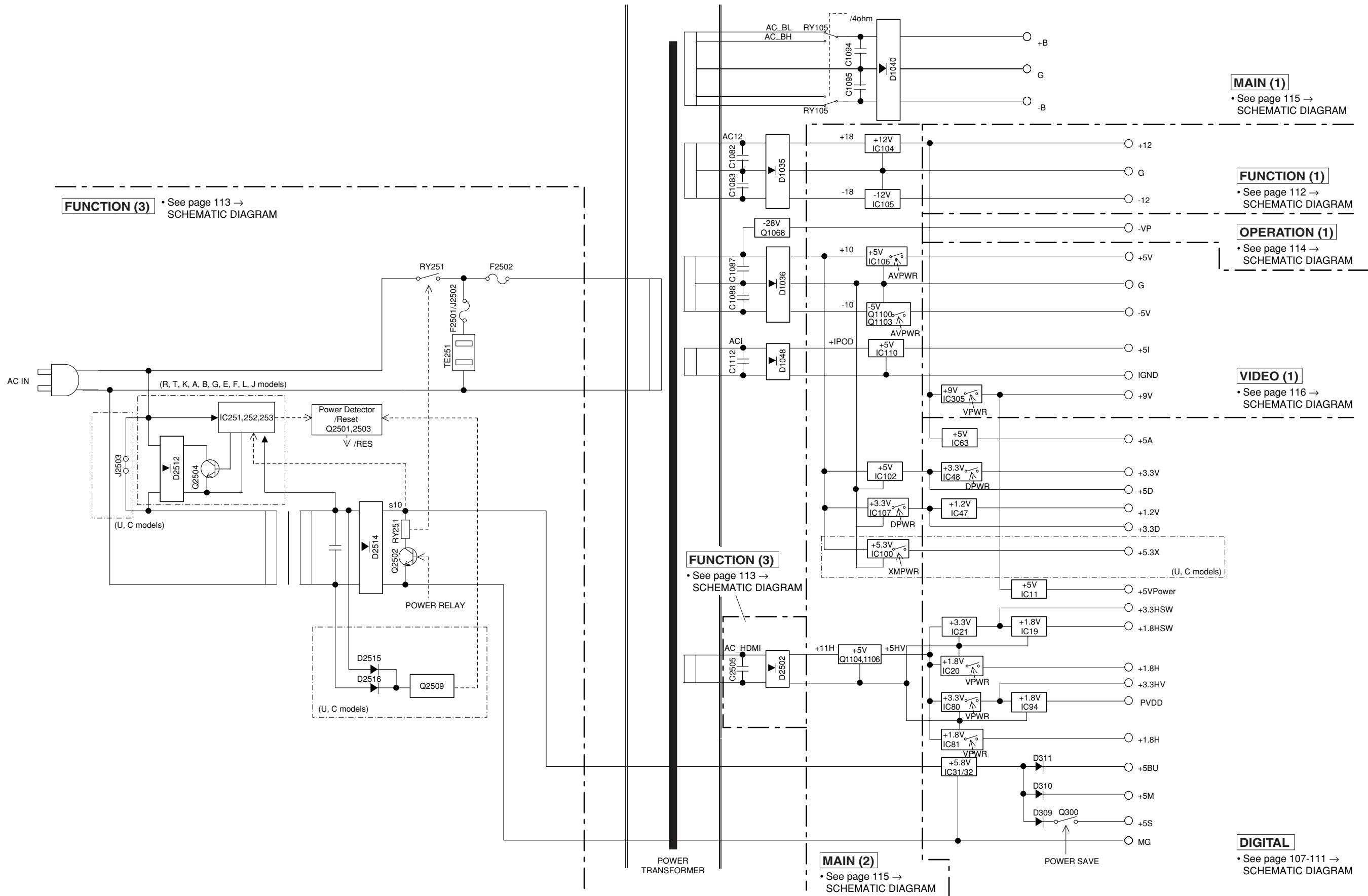
TO AUDIO (DIGITAL) SECTION



VIDEO SECTION BLOCK DIAGRAM



POWER SUPPLY SECTION BLOCK DIAGRAM



CONTROL SECTION BLOCK DIAGRAM

1

2

3

4

5

6

7

FUNCTION (3)

• See page 113 →
SCHEMATIC DIAGRAM

MAIN (1)

• See page 115 →
SCHEMATIC DIAGRAM

MAIN (2)

• See page 115 →
SCHEMATIC DIAGRAM

OPERATION (1)

• See page 114 →
SCHEMATIC DIAGRAM

FUNCTION (1)

• See page 112 →
SCHEMATIC DIAGRAM

VIDEO (1)

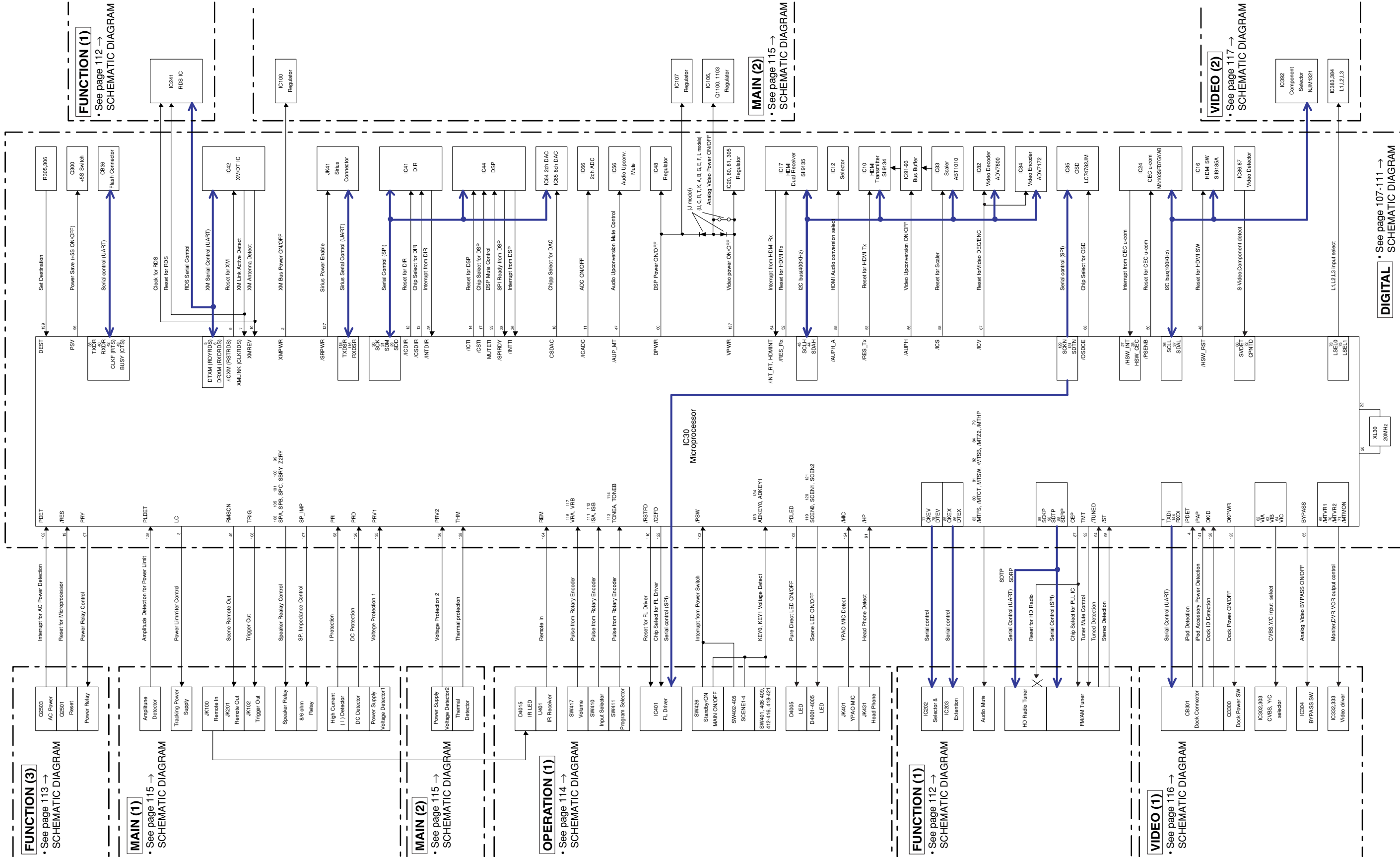
• See page 116 →
SCHEMATIC DIAGRAM

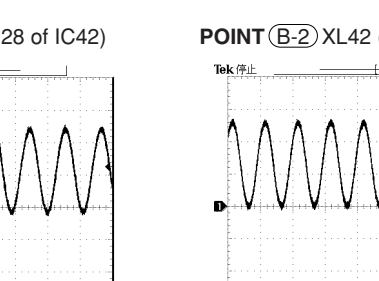
VIDEO (2)

• See page 117 →
SCHEMATIC DIAGRAM

DIGITAL

• See page 107-111 →
SCHEMATIC DIAGRAM





0.00 V

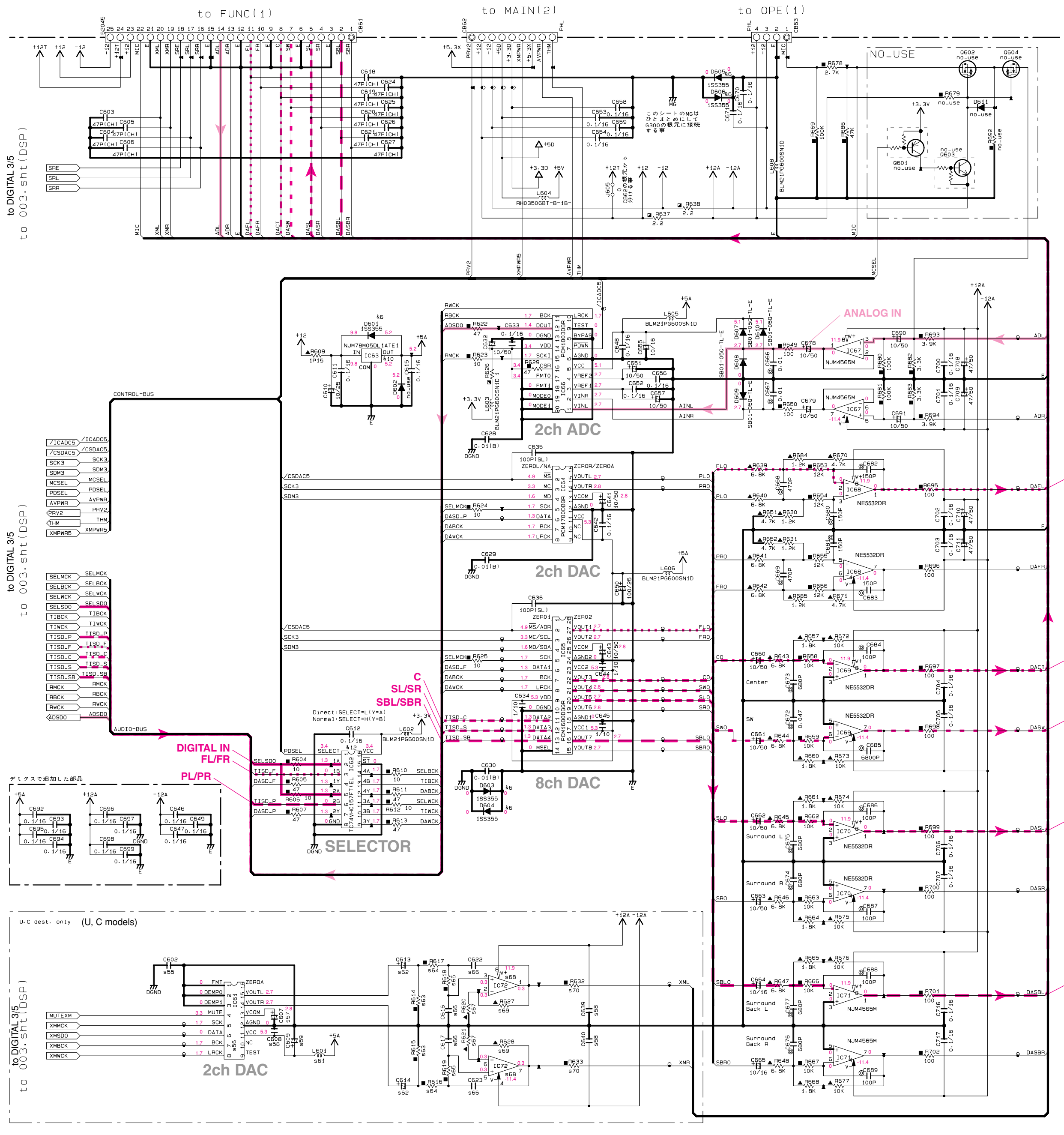
0.00 s

0.00 V

0.00 s

109

DIGITAL 4/5

Page 112 [A6]
to FUNCTION (1)_CB205Page 115 [K9]
to MAIN (2)_W107Page 114 [I9]
to OPERATION (1)_W401

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
K1	U41	JS1166 GP1FAY51KCP
K2	U42-44	JS1166 GP1FAY51KCP
K3		
K4	IC49	W15L64164A-5TG K4564164A-UC5000
K5	Q402	2SC3326(A/B) 2SC3326(B) 2SC5934(A/B) 2SD2704K(1) 2SD1328(1)ST K1C2875-B
K6	D112, 150, 152-154, 156 160, 300, 307-310, 312-314 316, 409, 411-601 603-606, 800-806, 813 814, 816, 820, 821	155355 MAJ1110L KDS160-RTK/P
K7	Q401	DT114EXA KRC1025-RTK/P
K8	Q401-Q403	NVRL161A1RNTB SDV1608H100C050VP1
K9		
K10	IC63	NJM78M05DL1A1E1 K1A18W02F
K11		
K12		
K13		
K14		
K15	Q108-111, 301	DT114EXA KRC1045-RTK/P
K16		
K17	Q304	DT114EXA KRC1045-RTK/P
K18		

s1 ~19:002.sht(u-com)
 *s20~80:004.sht(DSP)
 s81~99:005.sht(DVIDEO)

Destination Part List

xxx	LOC	DSP-AX863	RX-V863HTR-6180	RX-V863	RX-V863	DSP-AX863SE	RX-V863HTR-6180	RX-V863	HTR-6180
K1	U41	X	U	C	R	T	K	A	B
K55	C602	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K56	C601	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K57	C607	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K58	C608	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K59	C609	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K61	L601	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K62	C613	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K63	C614	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K64	R616	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K65	R617	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K66	R618	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K67	R619	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K68	R620	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K69	R621	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K70	R622	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K71	R623	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K72	R624	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K73	R625	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K74	R626	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K75	R627	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K76	R628	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K77	R629	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K78	R630	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K79	R631	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K80	R632	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K81	R633	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K82	R634	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K83	R635	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K84	R636	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K85	R637	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K86	R638	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K87	R639	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K88	R640	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K89	R641	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K90	R642	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K91	R643	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K92	R644	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K93	R645	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K94	R646	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K95	R647	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K96	R648	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K97	R649	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K98	R650	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K99	R651	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X
K100	R652	X	U506410 0.01181	U506410 0.01181	X	X	X	X	X

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊗	CERAMIC TUBULAR CAPACITOR
⊗	POLYSTYRENE FILM CAPACITOR
⊗	POLYSTYRENE FILM CAPACITOR
⊗	MICA CAPACITOR
⊗	POLYPROPYLENE FILM CAPACITOR
⊗	SEMI-VARIABLE RESISTOR
⊗	SEMICONDUCTIVE CERAMIC CAPACITOR
⊗	POLYPHENYLENE SULFIDE FILM CAPACITOR

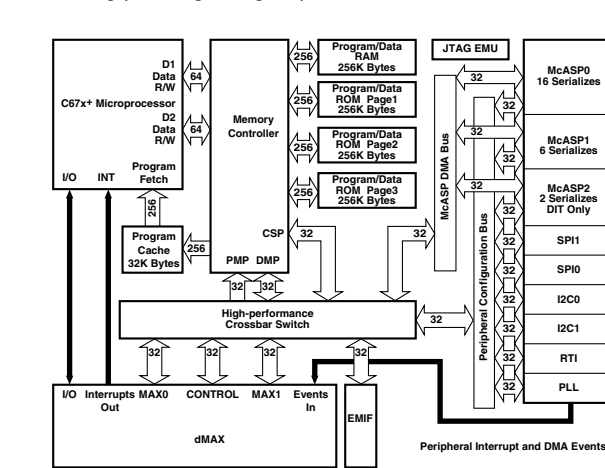
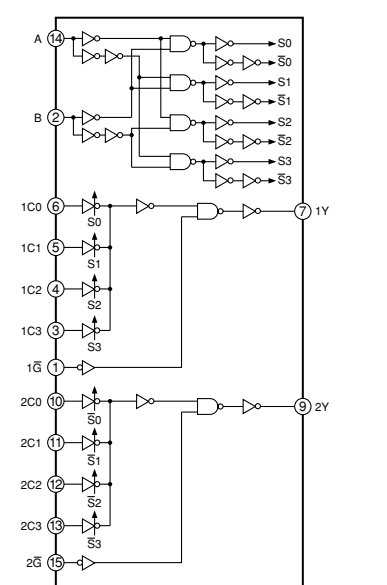
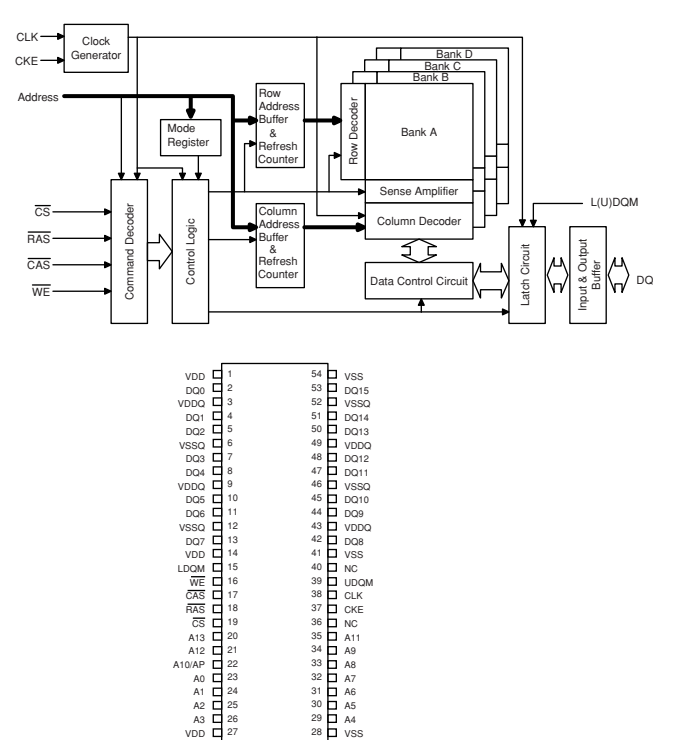
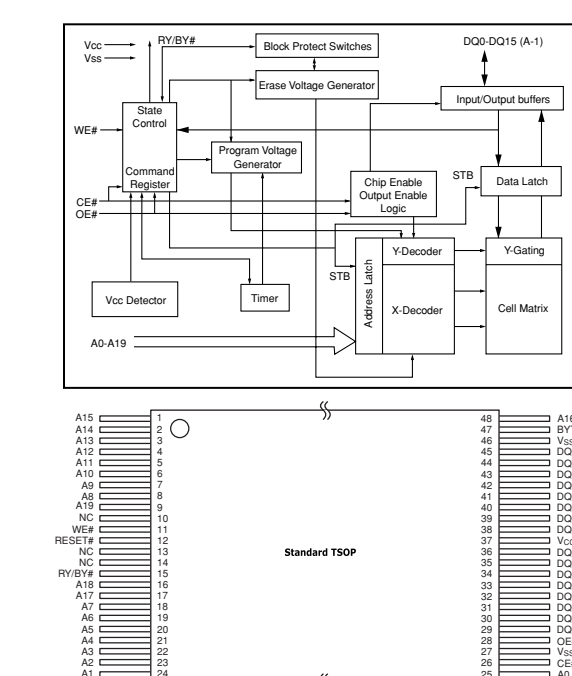
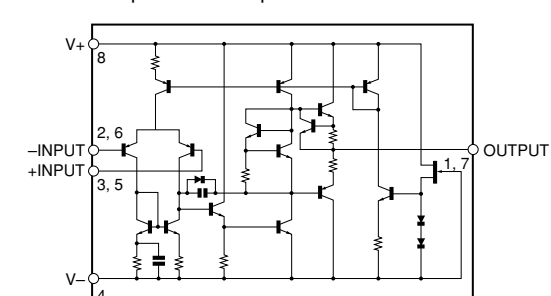
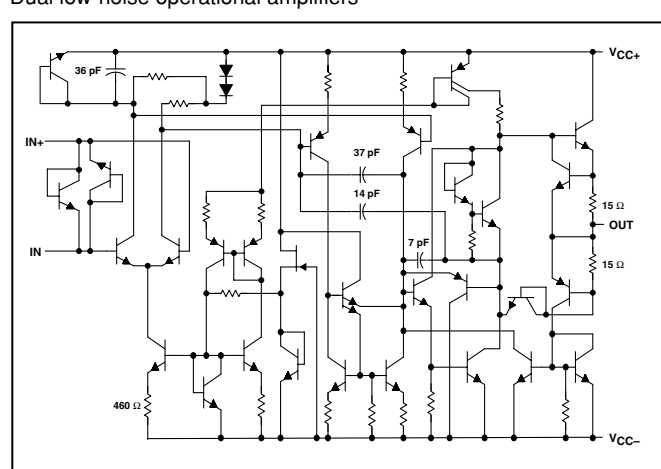
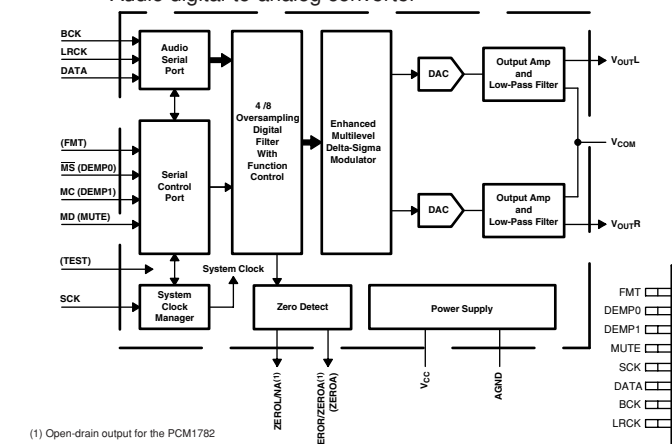
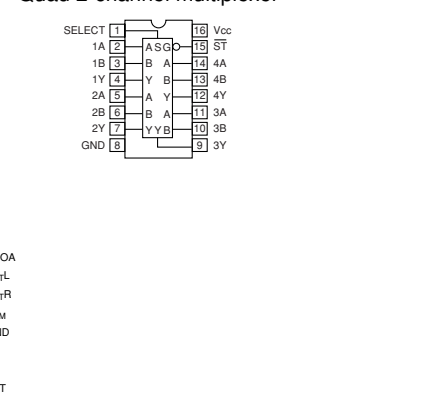
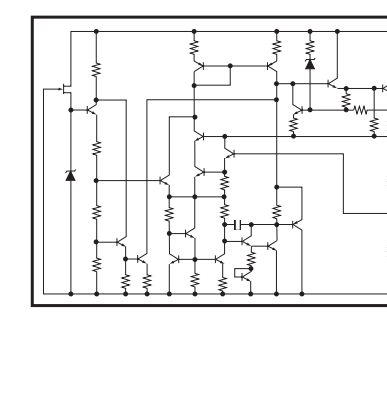
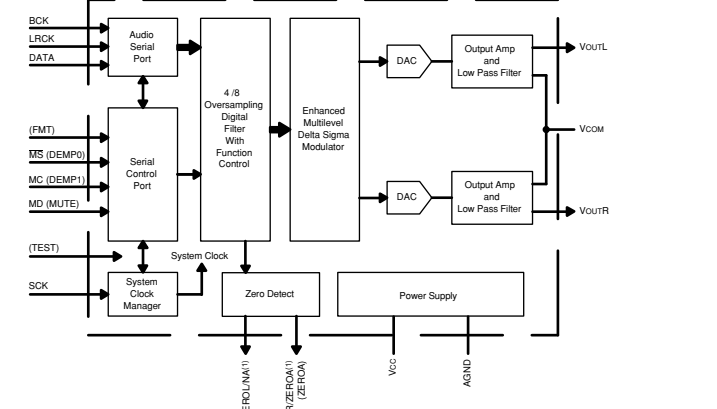
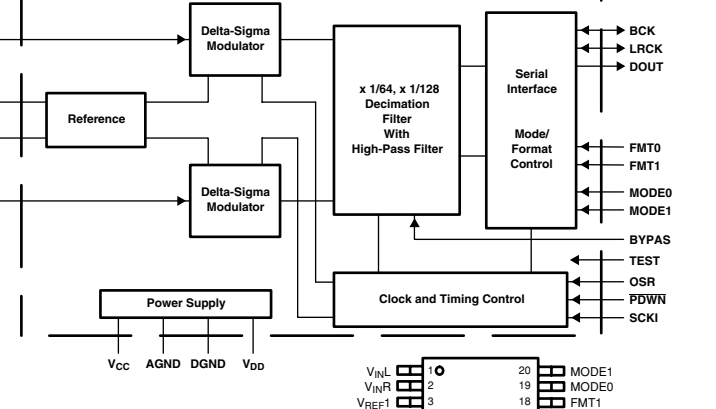
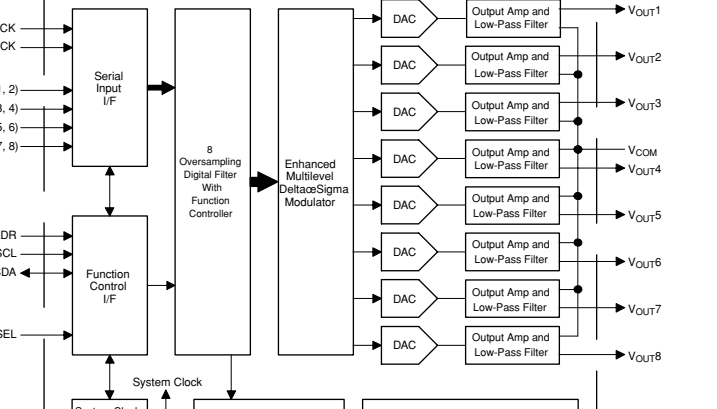
RESISTOR

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

NOTICE (mode1)

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

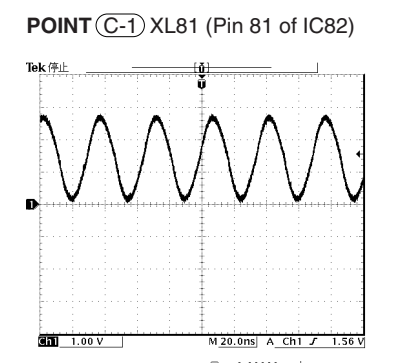
IC BLOCK DIAGRAMS DIGITAL 3/5

IC44: D70YE101BRFP266
Floating-point digital signal processorsIC45, 46: TC74VHC153FT
Dual 4-channel multiplexerIC49: M12L64164A-5TG
1M x 16-bit x 4 banks synchronous DRAMIC51: EN29L160AB-70TCTP
16 M-bit flash memory boot sector flash memory, CMOS 3.0 V-onlyIC67, 71, 72: NJM4565M
Dual operational amplifierIC68-70: NE5532DR
Dual low-noise operational amplifiersIC61: PCM1781DBQR
Audio digital-to-analog converterIC62: TC74VHC157FT
Quad 2-channel multiplexerIC63: NJM78M05DL1A
Voltage regulatorIC64: PCM1780DBQR
Audio digital-to-analog converterIC66: PCM1803DBR
Stereo A/D converterIC65: PCM1680DBQR
Audio digital-to-analog converter

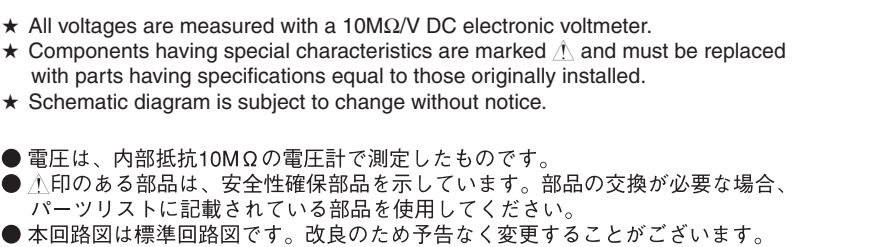
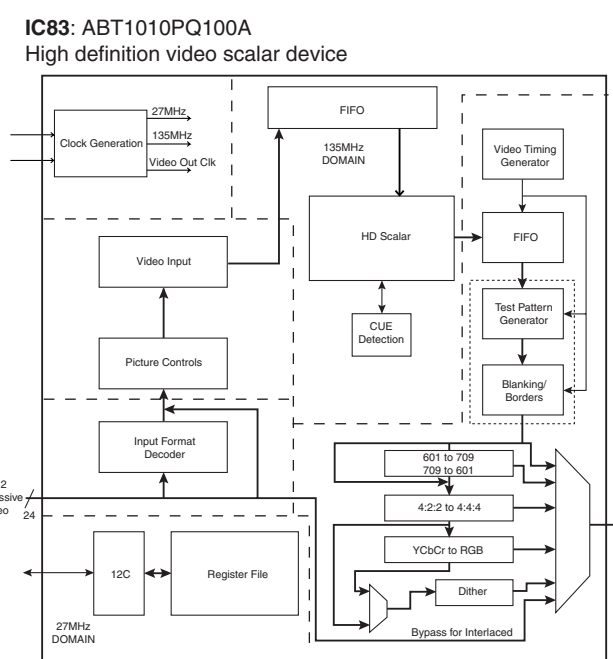
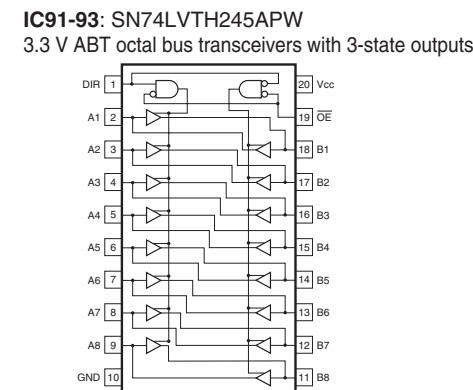
★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
 ★ Components having special characteristics are marked with a star and must be replaced with parts having specifications equal to those originally installed.
 ★ Schematic diagram is subject to change without notice.

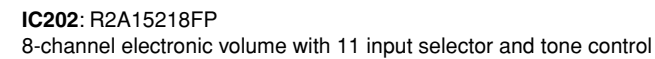
● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
 ● ★印の部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
 ● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

10UT: 1 2 3 4
 1IN: 1 2 3 4
 VCC: 1 2 3 4
 VCC: 1 2 3 4



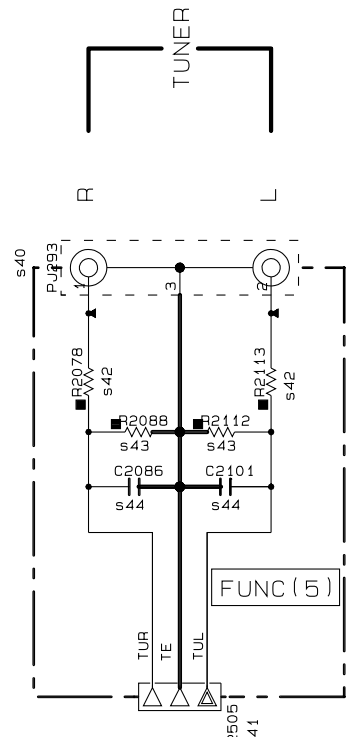
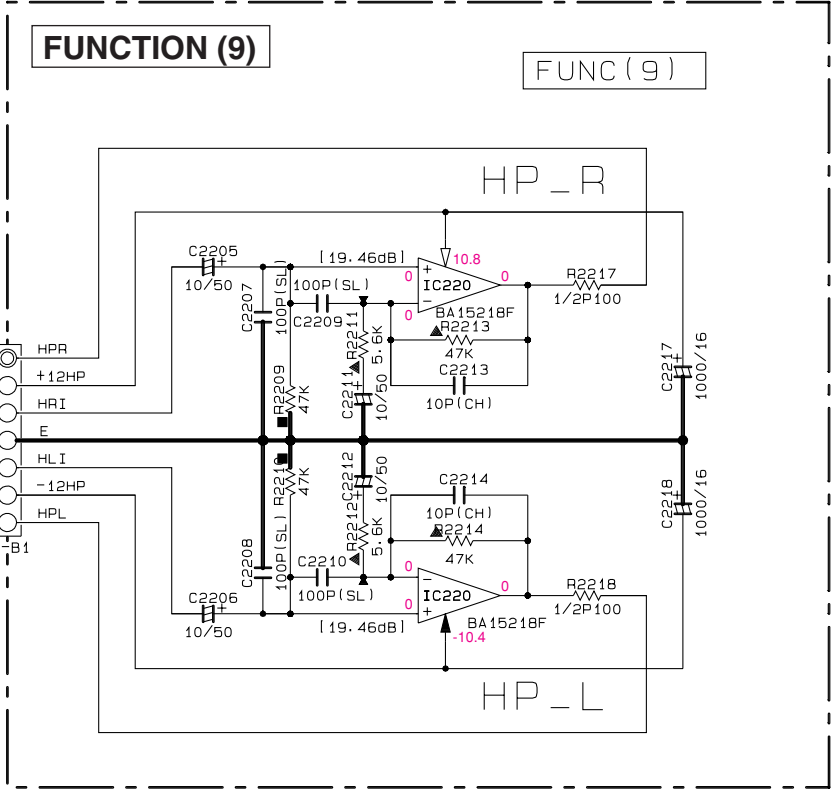
IC91-93: SN74LVTH245APW
3.3 V ABT octal bus transceivers with 3-state outputs





- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- 点印のある部品は、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。

FUNCTION 2/2



FUNCTION (5)
B model

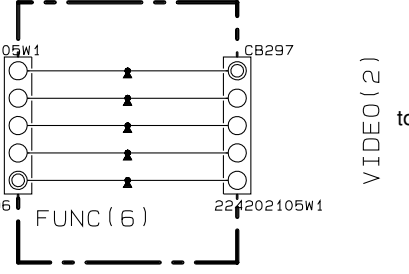
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	CERAMIC TUBULAR CAPACITOR
⊖	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR

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

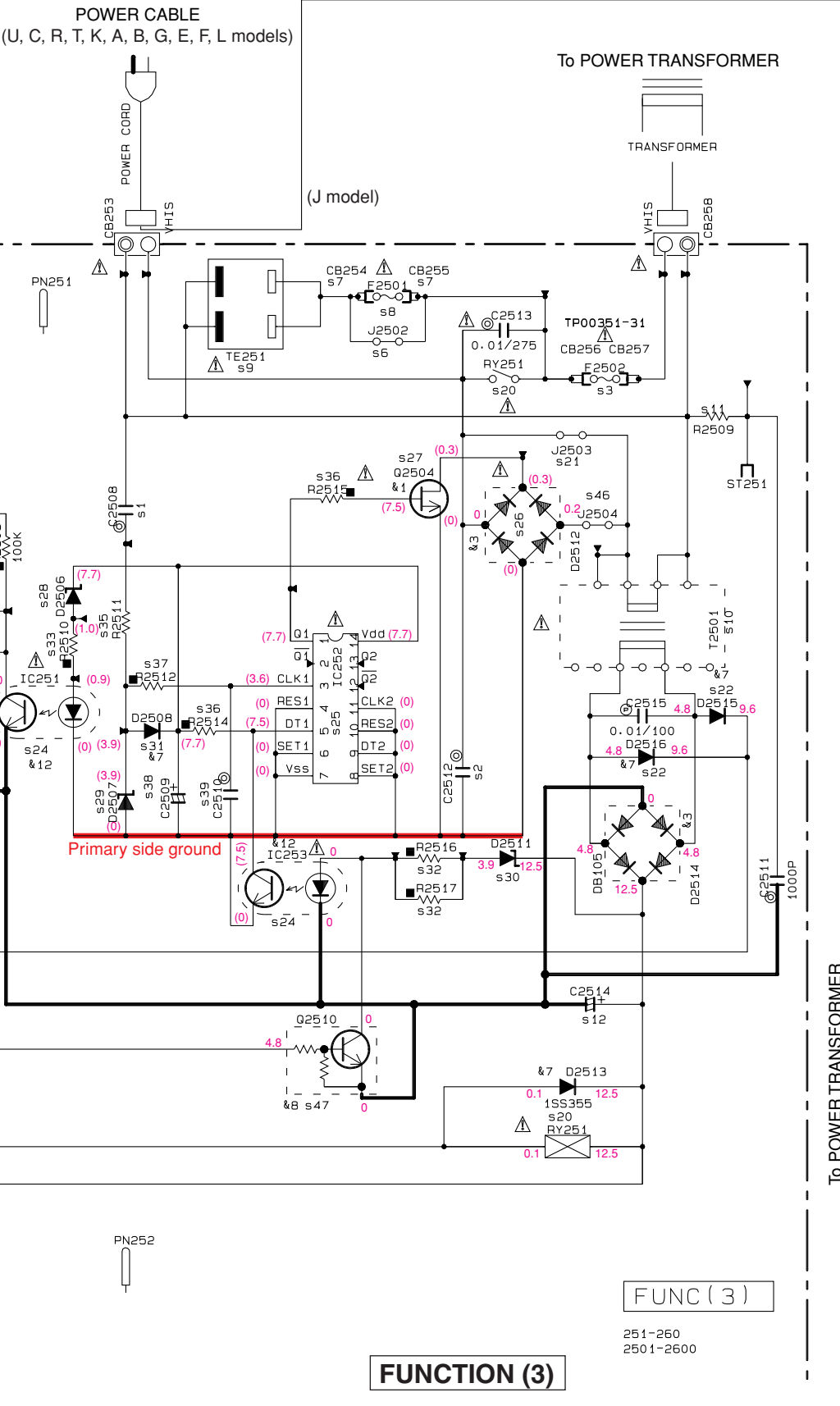
Destination Part List	LOC	J	U	R	C	T	A	B	GEF	L	K
sxx											
s1	C2508	WJ36120 0.022/630	X	WJ36180 0.022/630	X	WJ36180 0.022/630	WJ36180 0.022/630	WJ36180 0.022/630	WJ36180 0.022/630	WJ36180 0.022/630	WJ36180 0.022/630
s2	C2512	W606300 0.1/400	X	W025760 0.047/800	X	W025760 0.047/800	W025760 0.047/800	W025760 0.047/800	W025760 0.047/800	W025760 0.047/800	W025760 0.047/800
s3	F2502	W641080 10A125V	W641080 10A125V	W641080 10A125V	W641080 10A125V	K800078 T5AL250V	K800078 T5AL250V	K800078 T5AL250V	K800078 T5AL250V	K800078 T5AL250V	K800078 T5AL250V
s4	TE255	W079060 R-30190126	X	X	X	X	X	X	X	X	X
s5	W2502B W2502A	V941190 VH-ST	X	X	X	X	X	X	X	X	X
s6	J2502	VN50000	X	X	X	X	X	X	X	X	X
s7	CB254 CB255	X	WN10300 TP00351-31	WN10300 TP00351-31	WN10300 TP00351-31	WN10300 TP00351-31	WN10300 TP00351-31	WN10300 TP00351-31	WN10300 TP00351-31	WN10300 TP00351-31	WN10300 TP00351-31
s8	F2501	X	W641080 10A125V	V194290 T2-5AH250V	W641080 10A125V	V194290 T2-5AH250V	V194290 T2-5AH250V	V194290 T2-5AH250V	V194290 T2-5AH250V	V194290 T2-5AH250V	V194290 T2-5AH250V
s9	TE251	VU54310 S2-7641-214	VU54310 S2-7641-214	V586740 S2-7641-214	VU54310 S2-7641-214	V586740 S2-7641-214	V715000 VU54330	VU54330 VU54340	VU54330 VU54340	VU54330 VU54340	VU54330 VU54340
s10	T2501	XW605A0 XW605	XW606A0	XW6351A0	XW606A0	XW608A0	XW608A0	XW608A0	XW608A0	XW608A0	XW608A0
s11	R2509	X	W673000 1/2P2-2M	X	W673000 1/2P2-2M	X	X	X	X	X	X
s12	C2514	U024933 3300/25	U024933 3300/25	U024933 3300/25	U024933 3300/25	U024933 3300/25	U024933 3300/25	U024933 3300/25	U024933 3300/25	U024933 3300/25	U024933 3300/25
s13	J2601	X	X	X	X	X	X	X	X	X	X
s14	SW251	X	X	W649370 RB1402A6	X	X	X	X	X	X	X
s15	CB261	X	X	V937780 B4P7S-VH	X	X	X	X	X	X	X
s16	CB262	X	X	V937780 B4P7S-VH	X	X	X	X	X	X	X
s17	CB264 CB263	X	X	WN10300 TP00351-31	X	X	X	X	X	X	X
s18	W2601A W2601B	X	X	W079700 VH-ST	X	X	X	X	X	X	X
s19	F2601	X	X	K800078 T5AL250V	X	X	X	X	X	X	X
s20	RY251	WJ44660 ALKT321-M01	WJ44660 ALKT321-M01	V936690 DL5501-01M10-25	WJ44660 ALKT321-M01	WJ44660 ALKT321-M01	WJ44660 ALKT321-M01	WJ44660 ALKT321-M01	WJ44660 ALKT321-M01	WJ44660 ALKT321-M01	WJ44660 ALKT321-M01
s21	J2503	X	VN50000	X	VN50000	X	X	X	X	X	X
s22	D2515 D2516	X	V133290 1S5355	X	V133290 1S5355	X	X	X	X	X	X
s23	Q2509	X	V69570 DTC144EKA	X	V69570 DTC144EKA	X	X	X	X	X	X
s24	IC253 IC251	V810050 TLP421GR	X	V810050 TLP421GR	X	V810050 TLP421GR	V810050 TLP421GR	V810050 TLP421GR	V810050 TLP421GR	V810050 TLP421GR	V810050 TLP421GR
s25	IC252	I600118 TC40138P	X	I600118 TC40138P	X	I600118 TC40138P	I600118 TC40138P	I600118 TC40138P	I600118 TC40138P	I600118 TC40138P	I600118 TC40138P
s26	D2512	WH47170 DB105	X	WH47170 DB105	X	WH47170 DB105	WH47170 DB105	WH47170 DB105	WH47170 DB105	WH47170 DB105	WH47170 DB105
s27	Q2504	WC74120 K3850-E	X	WC74120 K3850-E	X	WC74120 K3850-E	WC74120 K3850-E	WC74120 K3850-E	WC74120 K3850-E	WC74120 K3850-E	WC74120 K3850-E
s28	D2506	VU99380 MAB06B-M	X	VU99380 MAB06B-M	X	VU99380 MAB06B-M	VU99380 MAB06B-M	VU99380 MAB06B-M	VU99380 MAB06B-M	VU99380 MAB06B-M	VU99380 MAB06B-M
s29	D2507	VU99540 MAB100-M	X	VU99540 MAB100-M	X	VU99540 MAB100-M	VU99540 MAB100-M	VU99540 MAB100-M	VU99540 MAB100-M	VU99540 MAB100-M	VU99540 MAB100-M
s30	D2511	VU99490 MAB091-L	X	VU99490 MAB091-L	X	VU99490 MAB091-L	VU99490 MAB091-L	VU99490 MAB091-L	VU99490 MAB091-L	VU99490 MAB091-L	VU99490 MAB091-L
s31	D2508	V133290 1S5355	X	V133290 1S5355	X	V133290 1S5355	V133290 1S5355	V133290 1S5355	V133290 1S5355	V133290 1S5355	V133290 1S5355
s32	R2517 R2518	RD35622 2-2K	X	RD35622 2-2K	X	RD35622 2-2K	RD35622 2-2K	RD35622 2-2K	RD35622 2-2K	RD35622 2-2K	RD35622 2-2K
s33	R2510	RD35910 100	X	RD35910 100	X	RD35910 100	RD35910 100	RD35910 100	RD35910 100	RD35910 100	RD35910 100
s35	R2511	HF35622 1/2P2-2K	X	HF35622 1/2P2-2K	X	HF35622 1/2P2-2K	HF35622 1/2P2-2K	HF35622 1/2P2-2K	HF35622 1/2P2-2K	HF35622 1/2P2-2K	HF35622 1/2P2-2K
s36	R2514 R2515	RD35822 220K	X	RD35822 220K	X	RD35822 220K	RD35822 220K	RD35822 220K	RD35822 220K	RD35822 220K	RD35822 220K
s37	R2512	RD35910 1M	X	RD35910 1M	X	RD35910 1M	RD35910 1M	RD35910 1M	RD35910 1M	RD35910 1M	RD35910 1M
s38	C2509	UR86610 1/50	X	UR86610 1/50	X	UR86610 1/50	UR86610 1/50	UR86610 1/50	UR86610 1/50	UR86610 1/50	UR86610 1/50
s39	C2510	UA65347 4700P	X	UA65347 4700P	X	UA65347 4700P	UA65347 4700P	UA65347 4700P	UA65347 4700P	UA65347 4700P	UA65347 4700P
s40	PJ293	X	X	X	X	X	X	X	X	X	X
s41	W2505	X	X	X	X	X	X	X	X	X	X
s42	R2078 R2113	X	X	X	X	X	X	X	X	X	X
s43	R2088 R2112	X	X	X	X	X	X	X	X	X	X
s44	C2101 C2086	X	X	X	X	X	X	X	X	X	X
s45	ST252	X	X	X	X	X	X	X	X	X	X
s46	J2504	VN50000	X	VN50000	X	VN50000	VN50000	VN50000	VN50000	VN50000	VN50000
s47	Q2510	VV65570 DTC144EKA	X	X	X	VV65570 DTC144EKA	VV65570 DTC144EKA	VV65570 DTC144EKA	VV65570 DTC144EKA	VV65570 DTC144EKA	VV65570 DTC144EKA
s48	C2506	UR86622 2-2/50	X	UR86622 2-2/50	X	UR86622 2-2/50	UR86622 2-2/50	UR86622 2-2/50	UR86622 2-2/50	UR86622 2-2/50	UR86622 2-2/50

FUNCTION (6)

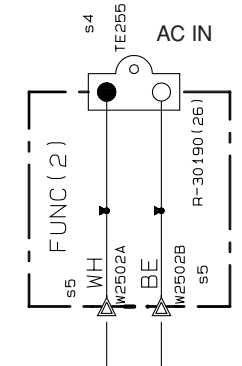


POWER CABLE
(U, C, R, T, K, A, B, G, E, F, L models)

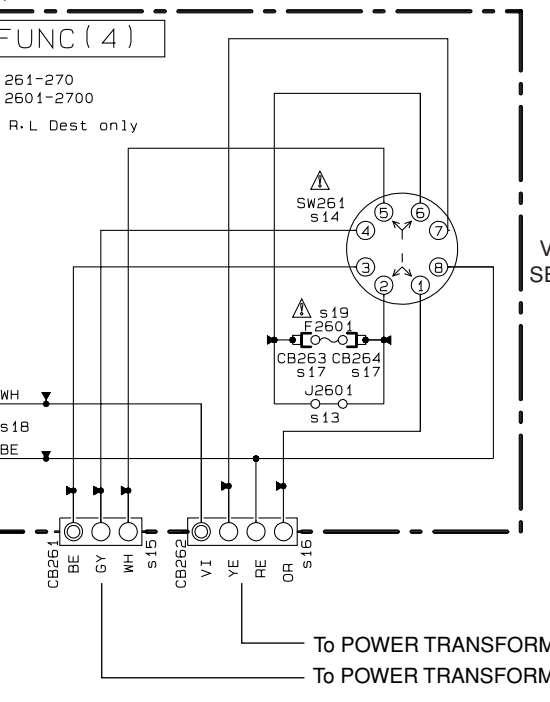
Page 117 [I7]
to VIDEO (2)_CB355



FUNCTION (2)
J model

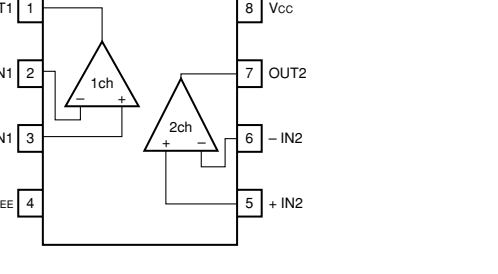


FUNCTION (4)
R, L models

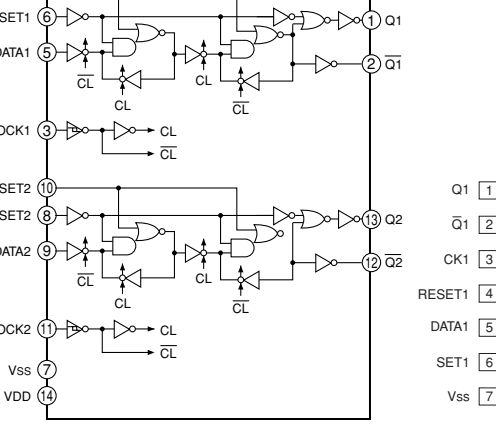


VOLTAGE SELECTOR	
230-240V	1-2/5-6
220V	2-3/6-7
110V	3-4/7-8
120V	4-5/8-1

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



IC252: TC4013BP
Dual D-type flip flop



INPUTS		OUTPUTS	
RESET	SET	DATA	Qn+1
H	L	H	H
L	L	H	L
L	L	L	H
L	L	L	L

* 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。
● 三角形の印のある部品は、安全性能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

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

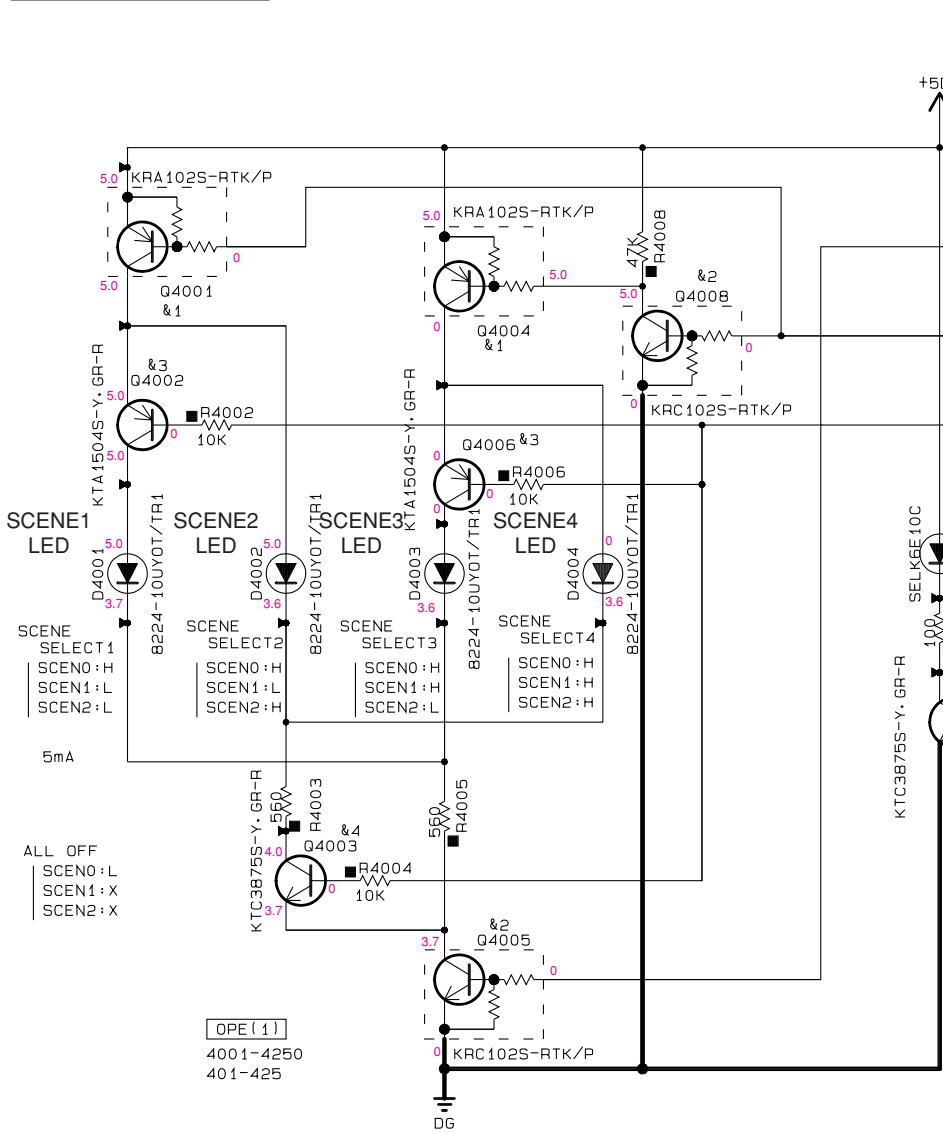
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊠	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
○	MICA CAPACITOR
○	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)
(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

sXX	LDC	DSP-AX863	RX-V863	DSP-AX863SE	HTR-6180
s402	SW415 SW416 SW421 SW418 SW414 SW401 SW413 SW406	WD48310 SKRGAA010	WD48310 SKRGAA010	X	WD48310 SKRGAA010
s403	R4039	RD35633 3.3K	RD35633 3.3K	X	RD35633 3.3K
s404	R4045	RD35647 4.7K	RD35647 4.7K	X	RD35647 4.7K
s405	R4056	RD35668 5.6K	RD35668 5.6K	X	RD35668 5.6K
s406	R4063	RD35710 10K	RD35710 10K	X	RD35710 10K
s407	R4067	RD35722 22K	RD35722 22K	X	RD35722 22K
s408	R4061	X	RD35710	X	RD35710
s409	D4015	X	V259680 S1H-9055T447	X	V259680 S1H-9055T447
s410	D4014	WC43500 KRC102S-RTK/P	WC43500 KRC102S-RTK/P	X	WC43500 KRC102S-RTK/P
s411	D4008	VT33290 15S355	VT33290 15S355	X	VT33290 15S355
s413	SW422	X	WD48310 SKRGAA010	X	WD48310 SKRGAA010
s416	C4003 C4004	X	US06310 1000P(B)	X	US06310 1000P(B)
s421	SW424	X	WD48310 SKRGAA010	X	WD48310 SKRGAA010
s441	J4401	X	RD35000	X	RD35000
s442	C4409	US13510 0.1/1/16	X	X	X

Mark	Reference Parts Number	Parts Name
k1	Q4001-4004	KRA102S-RTK/P DTA114EKA
k2	Q4005-4008-4012- Q4014-4018	KRC102S-RTK/P DTC114EKA
k3	Q4002-4006	KT1504S-Y-GR-RTK/P A1037AK(G/R/S)
k4	Q4003-4007-4009-4011- 4019-4022	KTC3B75S-Y-GR-RTK/P C2412K(G/R/S) 2000H(M/L/W/R)
k5	D4008-4012-4016-4017 4302-4303-4401-4404	15S355 MA2J1110GL K03160(R/L/W/R)
k6	IC441	TC7SE132FU SN74AHC1632DCKR
k7	V401	17-BT-326NK HNA-17XMGST

OPERATION (1)



FL DRIVER

IC401
M66003-0131FP-R

17-BT-326NK

IC401
M66003-0131FP-R

IC401
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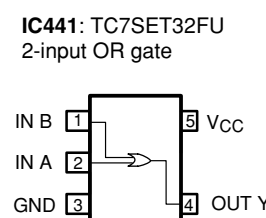
IC401
M66003-0131FP-R

IC401
M66003-0131FP-R

Page 108 [B2]
to DIGITAL_CB30

Page 110 [F2]
to DIGITAL_CB63

Page 112 [G8]
to FUNCTION (1)_CB221



IC402: NJM4556M
Dual operational amplifier

IC402: NJM4556M
Dual operational amplifier

IC402: NJM4556M
Dual operational amplifier

IC402: NJM4556M
Dual operational amplifier

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Dual operational amplifier

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Dual operational amplifier

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Dual operational amplifier

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Dual operational amplifier

IC402: NJM4556M
Dual operational amplifier

IC402: NJM4556M
Dual operational amplifier

IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver

IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver

IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver

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18 digit 5 x 7 segment VFD controller/driver

IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver

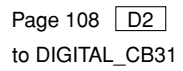
IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver

IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver

IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver

- ★ 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- ★ 部品の交換は、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。

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- 部品の交換は、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。
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Page 112 I8
FUNCTION (1)_CB231

TO POWER TRANSFORMER

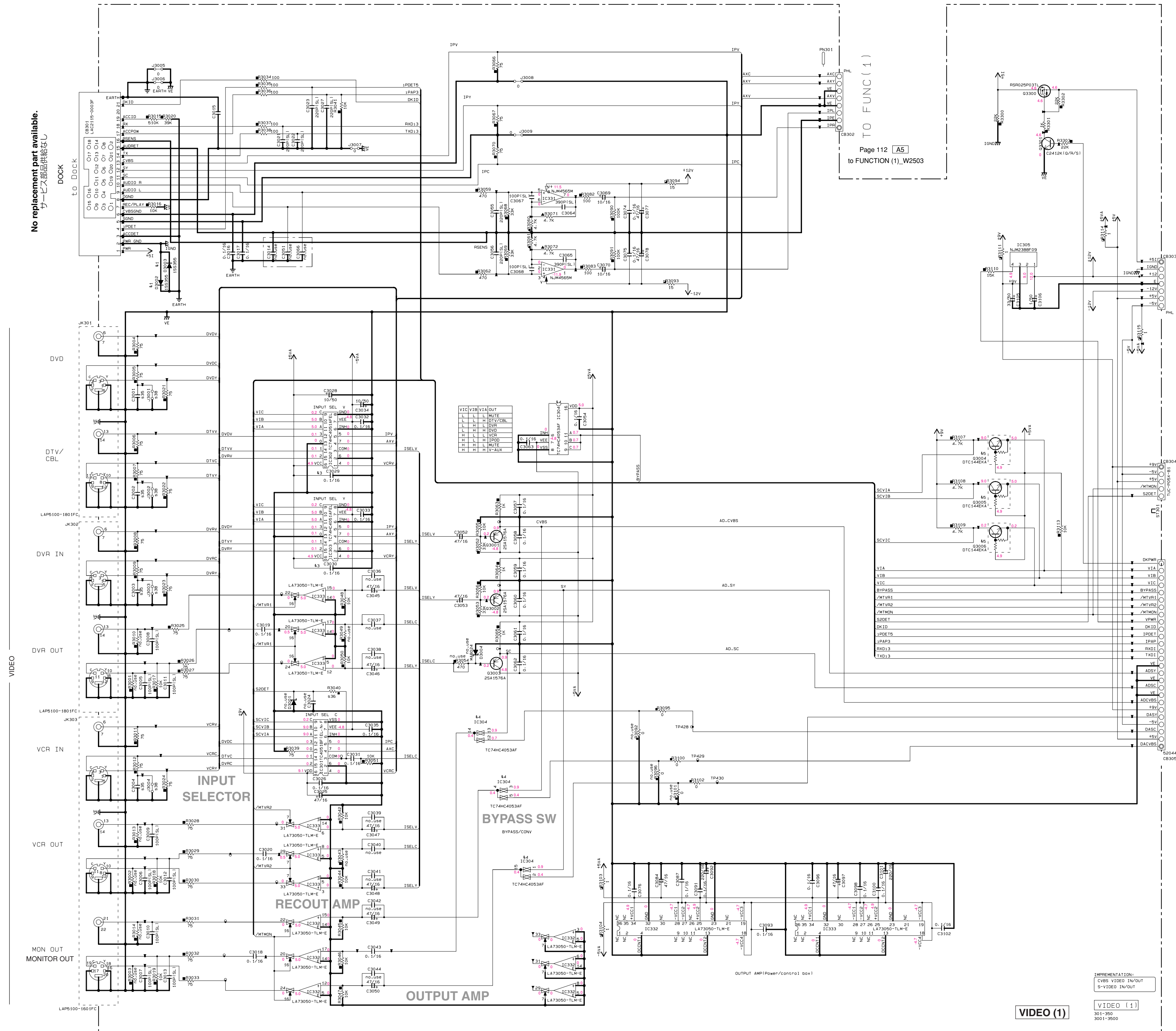
MAIN(2)



- 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。

VIDEO 1/2

No replacement part available.
サービス部品は給出し



Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
A1	D3002-3003-3500-3504	ISS395 MA2J1100L K05160-RTK/P
A2	IC383	TC74HC4052AFTEL-F1 HM74HC4052S.JL-NL
A3	IC302-303	TC74HC4051AFEL HM74HC4051S.JL-NL
A4	IC304	TC74HC4053AFTEL-F1 HM74HC4053S.JL-NL
A5	D3004-3006	DTC144EK KRC1045-RTK/P
A6	D3501	KRC1025-RTK/P DTC114EK

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

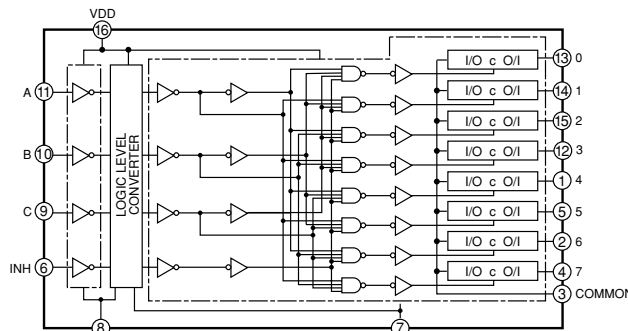
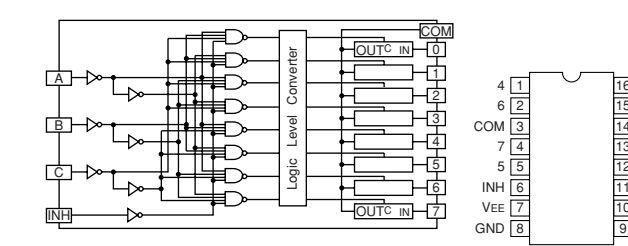
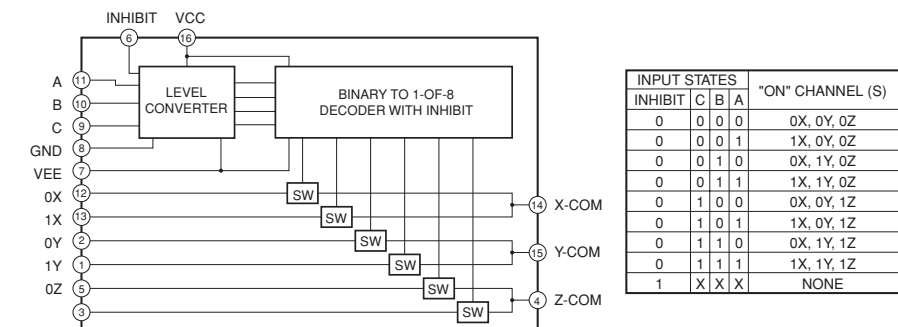
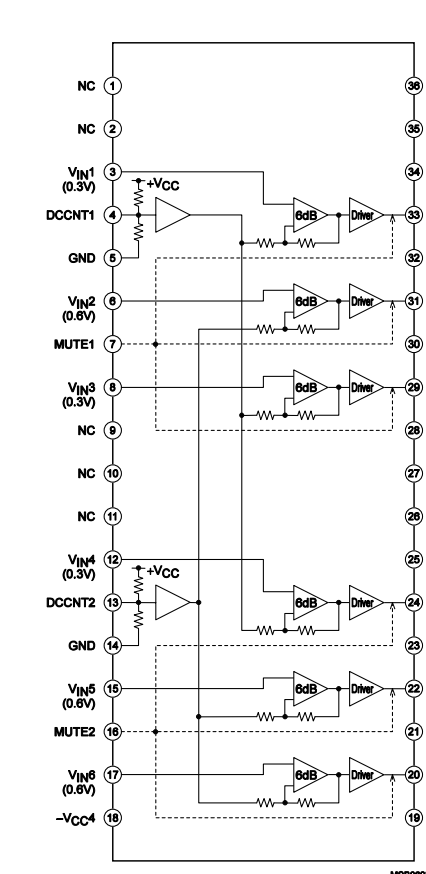
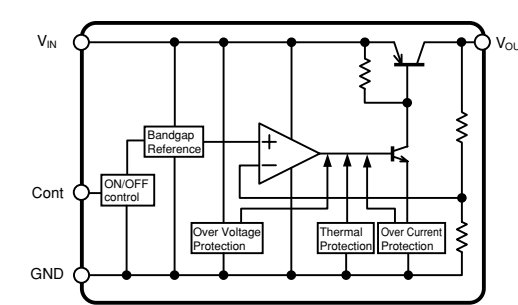
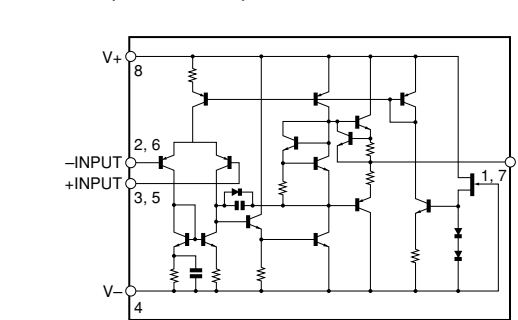
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
□	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
②	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

Destination Part List			
SXX	LOC	J	UCRTKABGEPL
S35	C3004 C3002 C3001 C3003	US13510 0.1/16	X
S36	R3040	R035510 1K	X
S38	J3002 J3004 J3001 J3003	X	R035000 0

Page 115 [K9]
to MAIN (2)_W114

Page 113 [B5]
to FUNCTION (6)_CB296

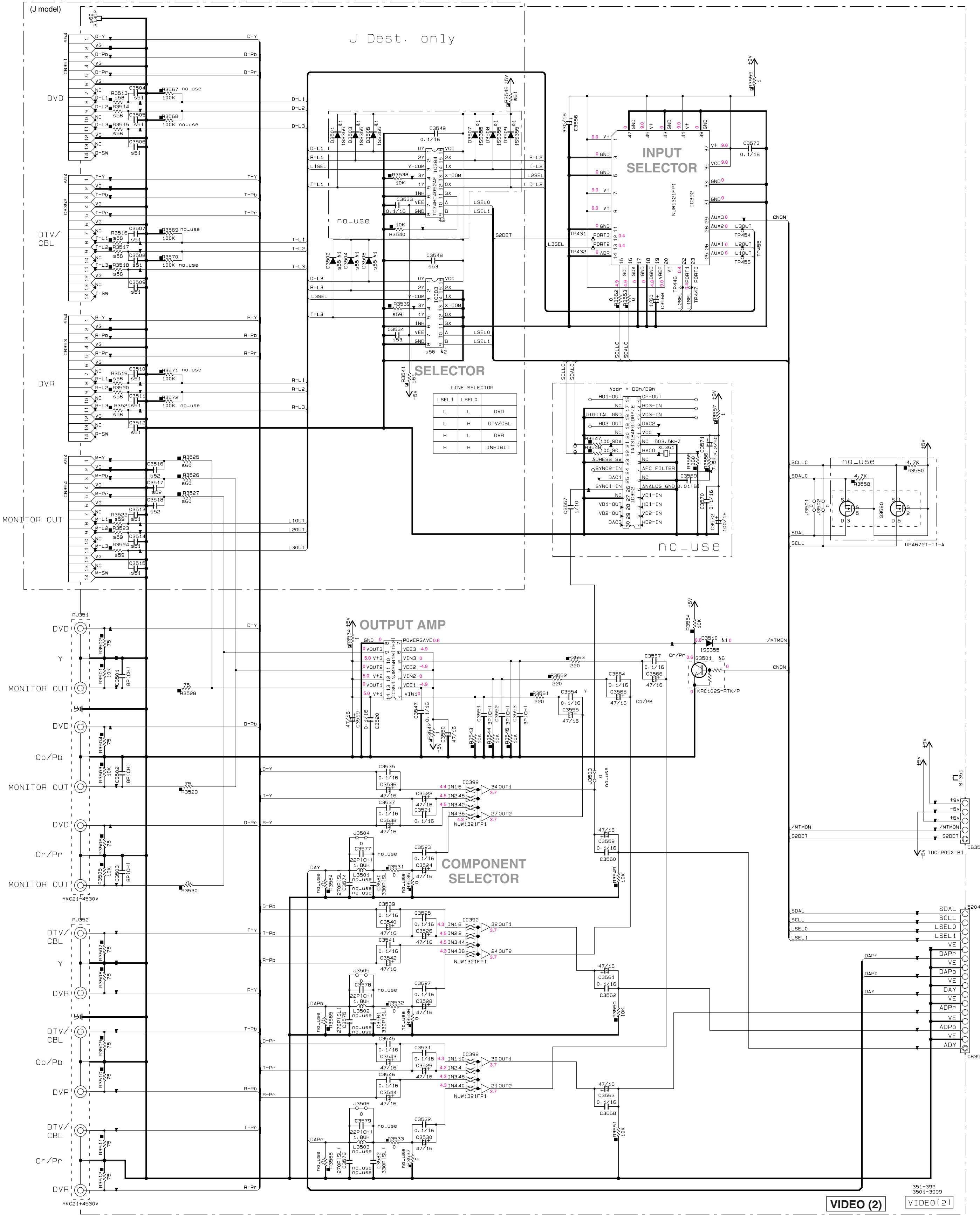
Page 111 [E2]
to DIGITAL_CB80

IC301: TC4051BF
Multiplexer/demultiplexerIC302, 303: TC74HC4051AFEL
8-channel analog multiplexer/demultiplexerIC304: TC74HC4053AF
Analog multiplexer/demultiplexerIC332, 333: LA73050-TLM-E
6-channel 75-ohm video driverIC305: NJM2388F09
Low dropout voltage regulator with ON/OFF controlIC331: NJM4565M
Dual operational amplifier

★ 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。
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VIDEO 2/2

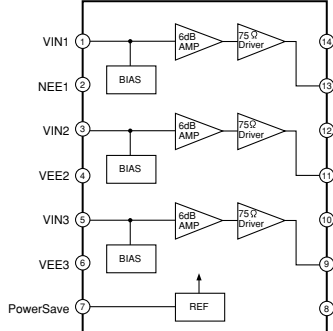


Part No.	Part Name	Part No.	Part Name
551	US06410	552	US06410
553	US06410	554	US06410
555	US06410	556	US06410
557	US06410	558	US06410
559	US06410	560	US06410
561	US06410	562	US06410

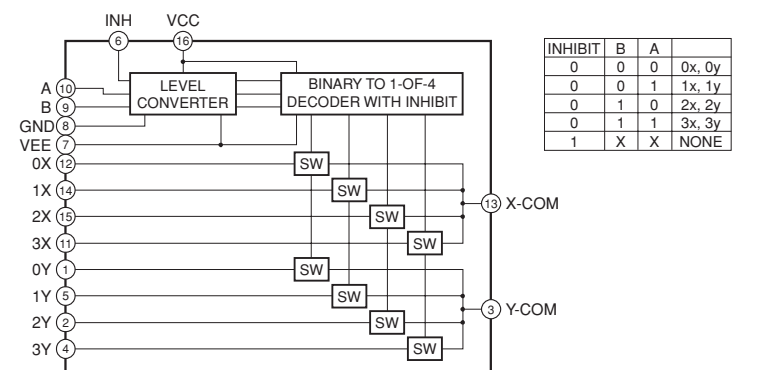
NOTICE (model)
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(V)..... TAIWAN
(F)..... RUSSIAN

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

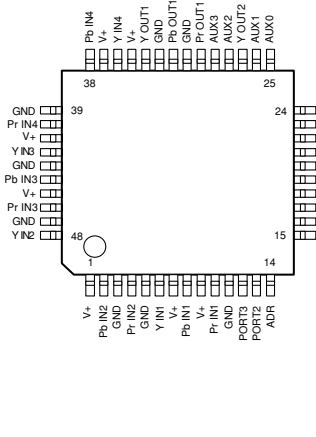
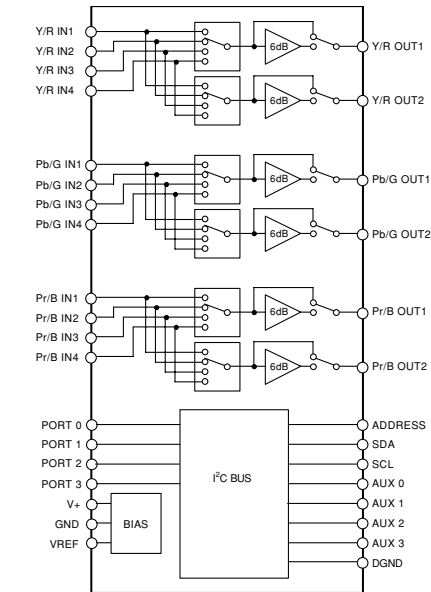
IC351: NJM2581M
Video amplifier



IC383: TC74HC4052AF
Analog multiplexer/demultiplexer



IC392: NJW1321FP1
Wide band video switch with I²C bus



TO FUNC(6)
Page 113 [C5]
to FUNCTION (6)_CB297

TO DIGITAL
Page 111 [G2]
to DIGITAL_CB81

* All voltages are measured with a 10MΩ/V DC electronic voltmeter.
* Components having special characteristics are marked with a dot, 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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