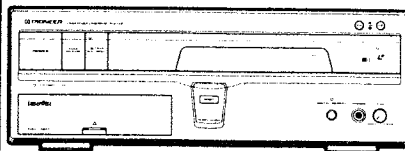


 **PIONEER**[®]
The Art of Entertainment

Service Manual



ORDER NO.
ARZ2757

CD CDV LD PLAYER

CLD-A100

CIRCUIT DIAGRAMS &
PATTERN LAYOUTS
WITH MICROFICHE

(MICROFICHE PORTION LOCATED INSIDE BACK COVER)

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 300 Allstate Parkway Markham, Ontario L3R 0P2 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: [03] 580-9911
© **PIONEER ELECTRONIC CORPORATION 1993**

FJ JULY 1993 Printed in Japan

5.1 OVERALL WIRING DIAGRAM

A

B

C

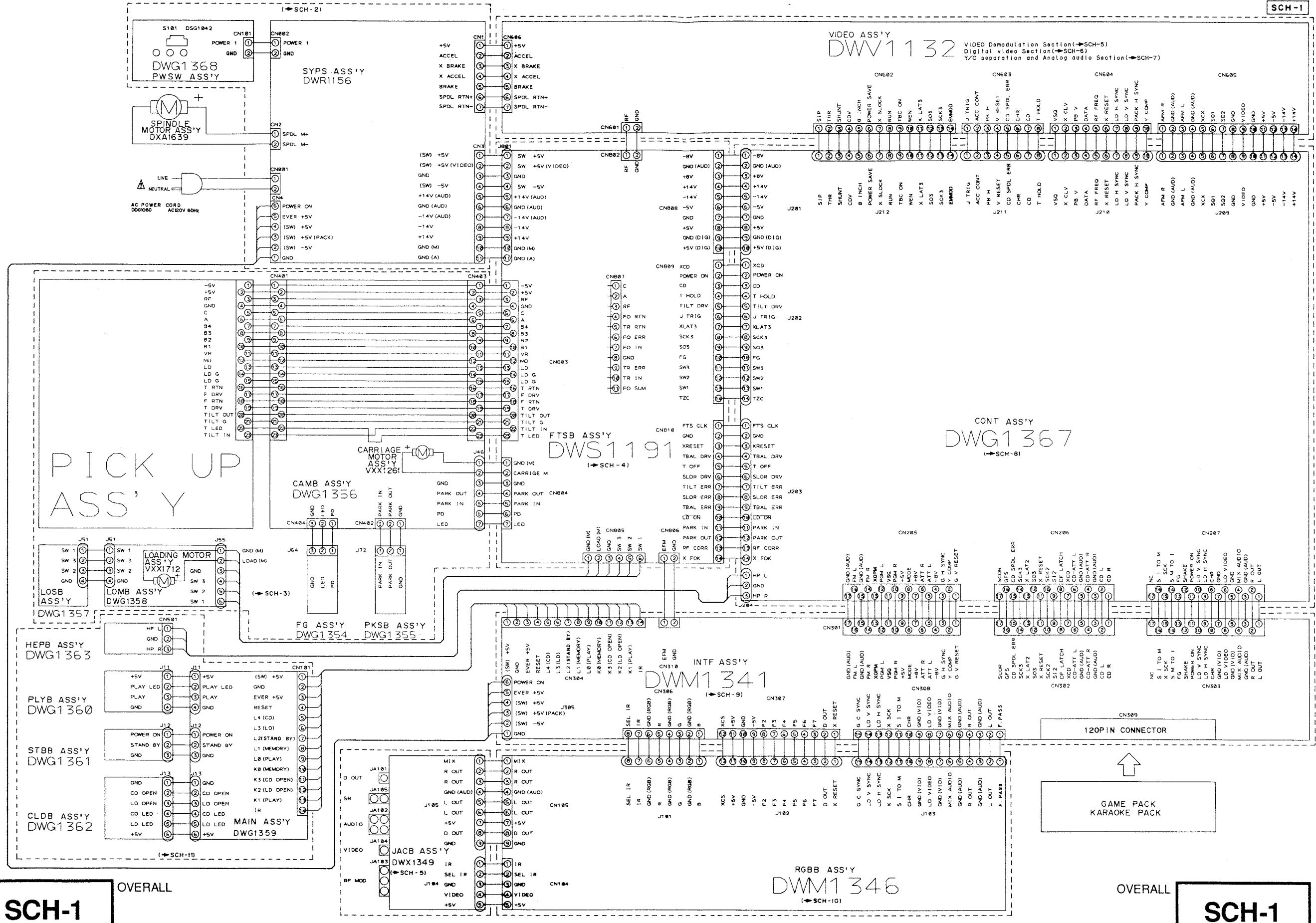
D

A

B

C

D



SCH-1

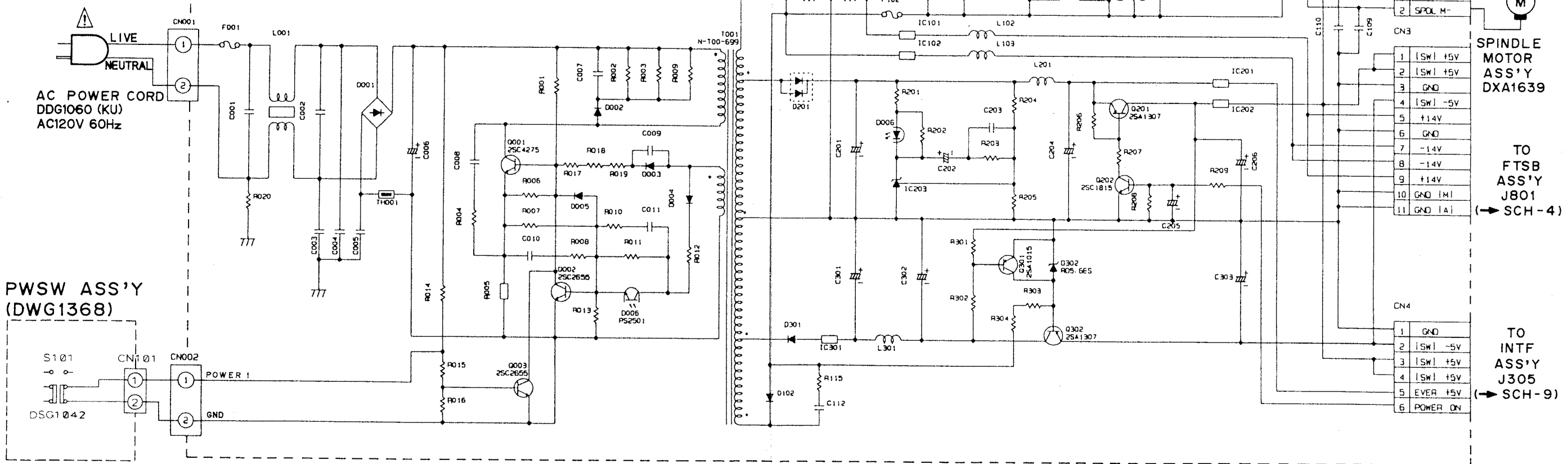
SCH-1

5.2 SYPS, PWSW ASS'Y

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE WITH SAME TYPE NO. ICP-N15, MFD BY ROHM CO., LTD. FOR IC101 AND IC102.

SYPS ASS'Y (DWR1156)

- IC101, 102: ICP-N15
- IC201: ICP-N25
- IC202, 301: ICP-N50
- IC203: UPC1093J
- D1: D2SB40-4001
- D101, 102: ERC91-02L
- D104-107: ERA91-02V
- D2: ERB44-04V
- D201: ESAB82M
- D3: ERB44-02V
- D301: ERB83-004
- D302: RD5.6ES
- D4, 5: 1SS178TPA
- D6: PS2501



CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE WITH SAME TYPE NO. ICP-N50, MFD BY ROHM CO., LTD. FOR IC202 AND IC301.

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE WITH SAME TYPE NO. ICP-N25, MFD BY ROHM CO., LTD. FOR IC201.

SCH-2 SYPS ASSY, PWSW ASSY

SYPS ASSY, PWSW ASSY SCH-2

This PCB connection diagram is viewed from the parts mounted side.

This PCB connection diagram is viewed from the foil side.

A

A

B

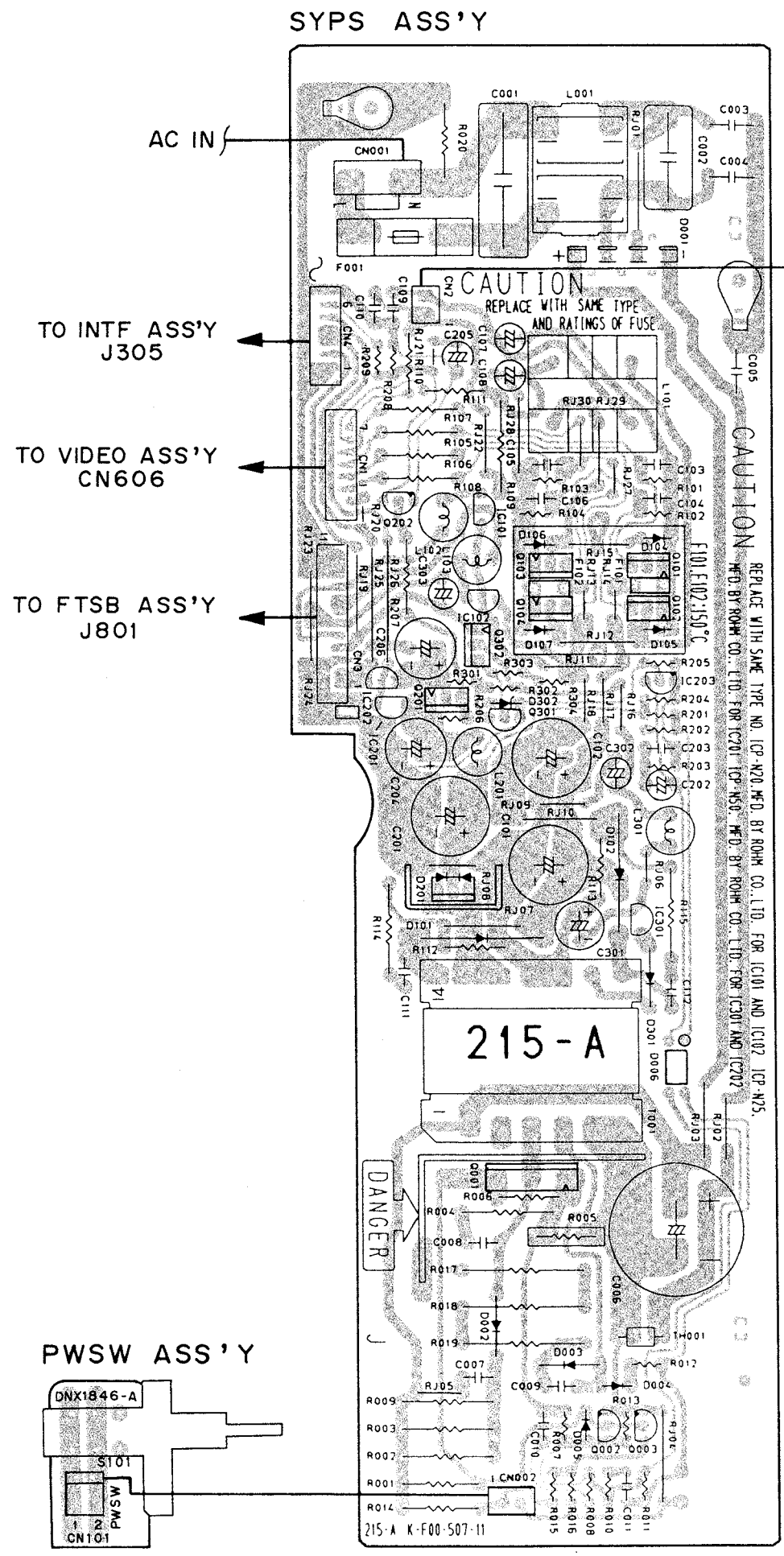
B

C

C

D

D



PCB-1

PCB-1

SPINDLE MOTOR ASS'Y

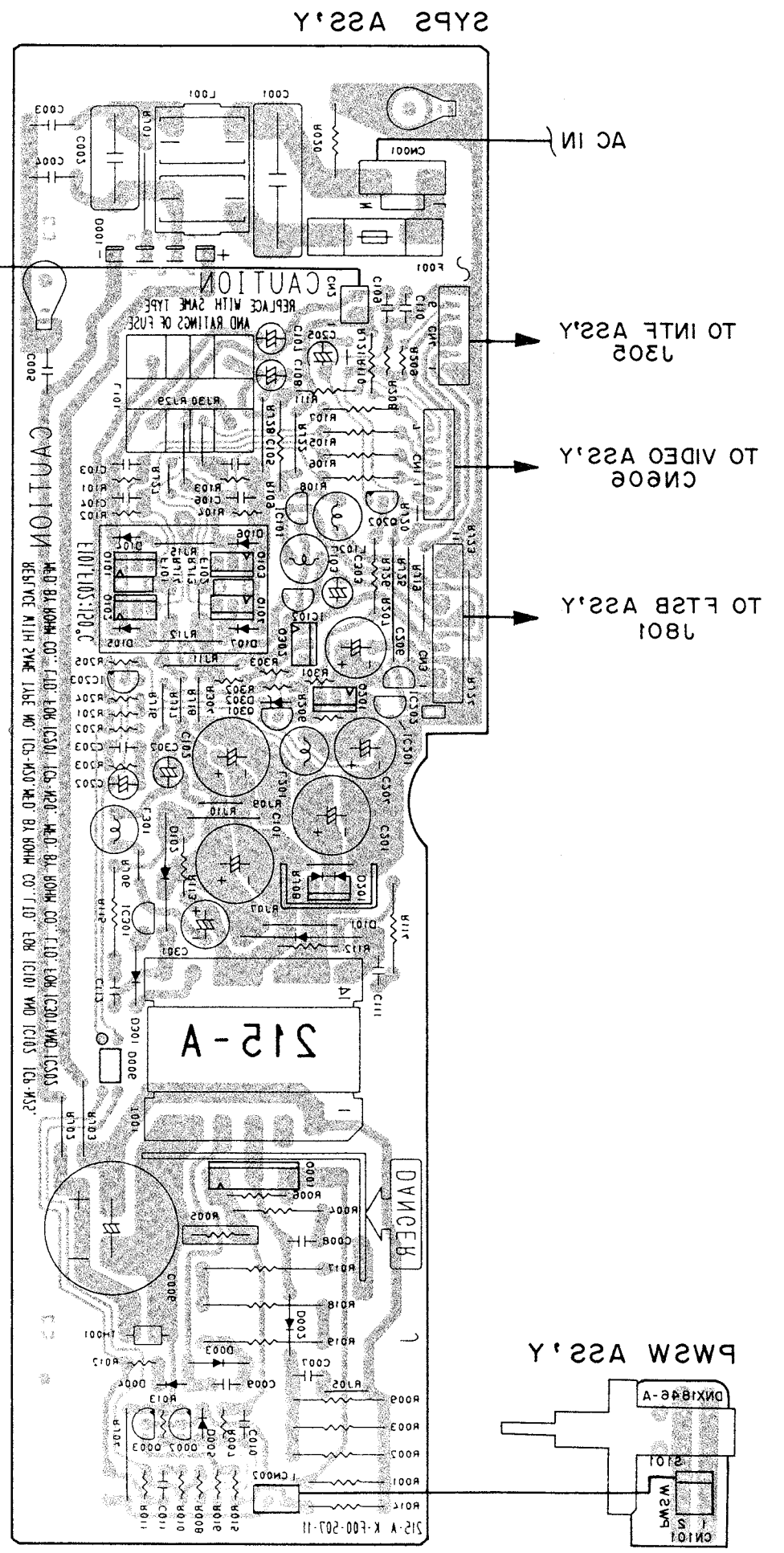
SPINDLE MOTOR ASS'Y

- IC101
- Q202
- Q101
- Q104
- IC102
- Q302
- IC202
- IC203
- IC201
- Q201
- Q301

IC301

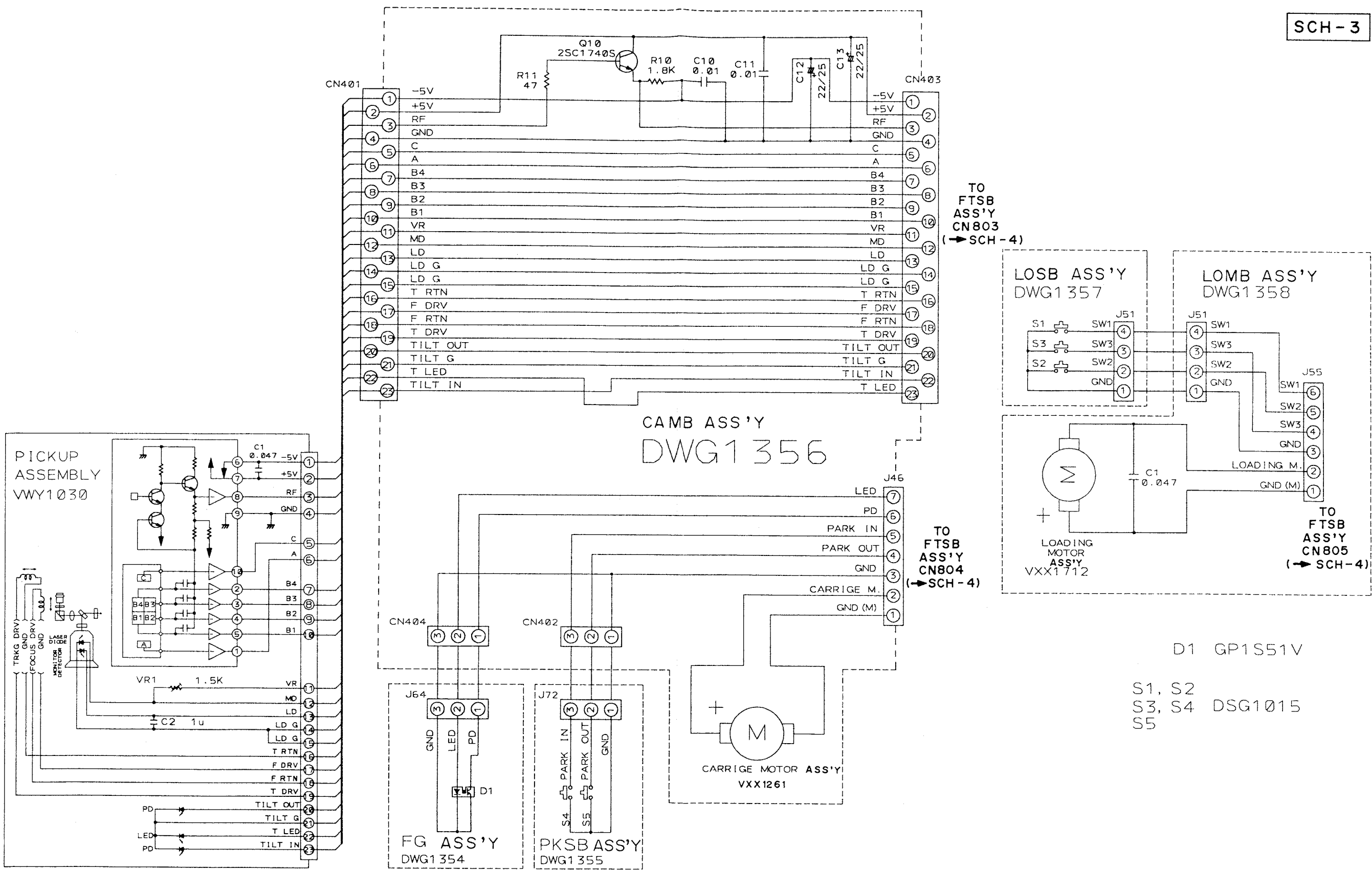
Q1

Q2
Q3



5.3 PICKUP, CAMB, FG, PKSB, LOSB, LOMB ASS'Y

SCH-3



SCH-3

PICKUP ASSY, CAMB ASSY, FG ASSY, PKSB ASSY, LOSB ASSY, LOMB ASSY

SCH-3

PICKUP ASSY, CAMB ASSY, FG ASSY, PKSB ASSY, LOSB ASSY, LOMB ASSY

D1 GP1S51V

S1, S2
S3, S4 DSG1015
S5

This PCB connection diagram is viewed from the parts mounted side.

PCB-2

PCB-5

This PCB connection diagram is viewed from the foil side.

A

B

C

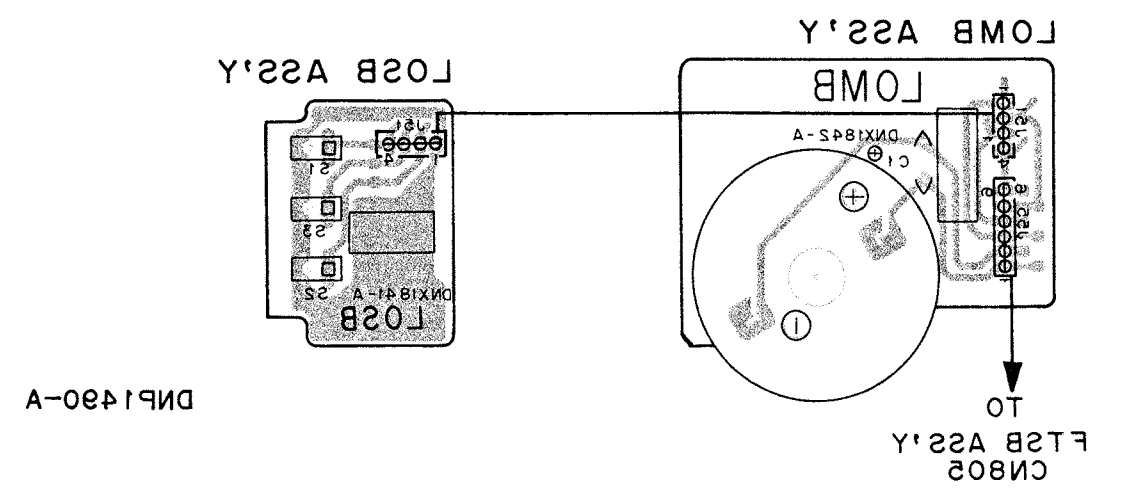
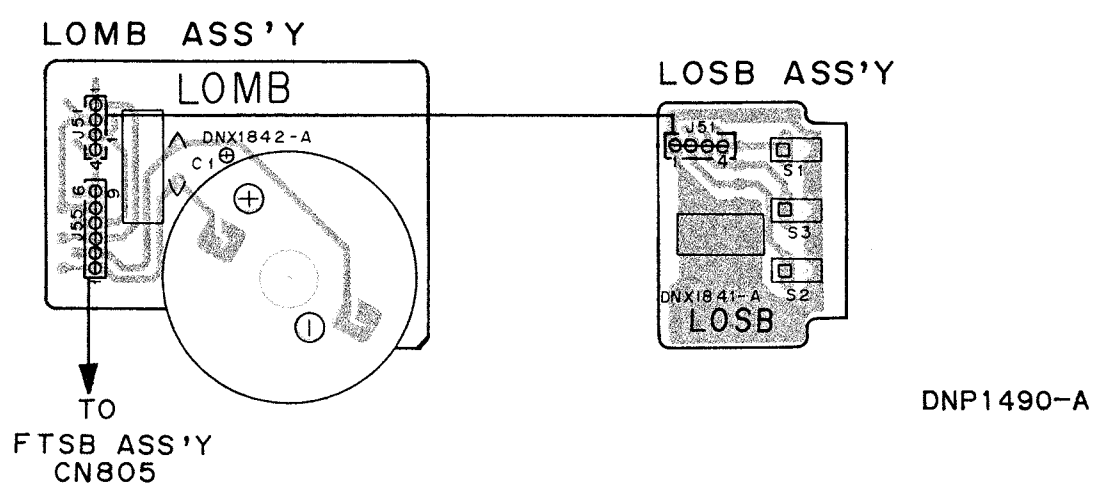
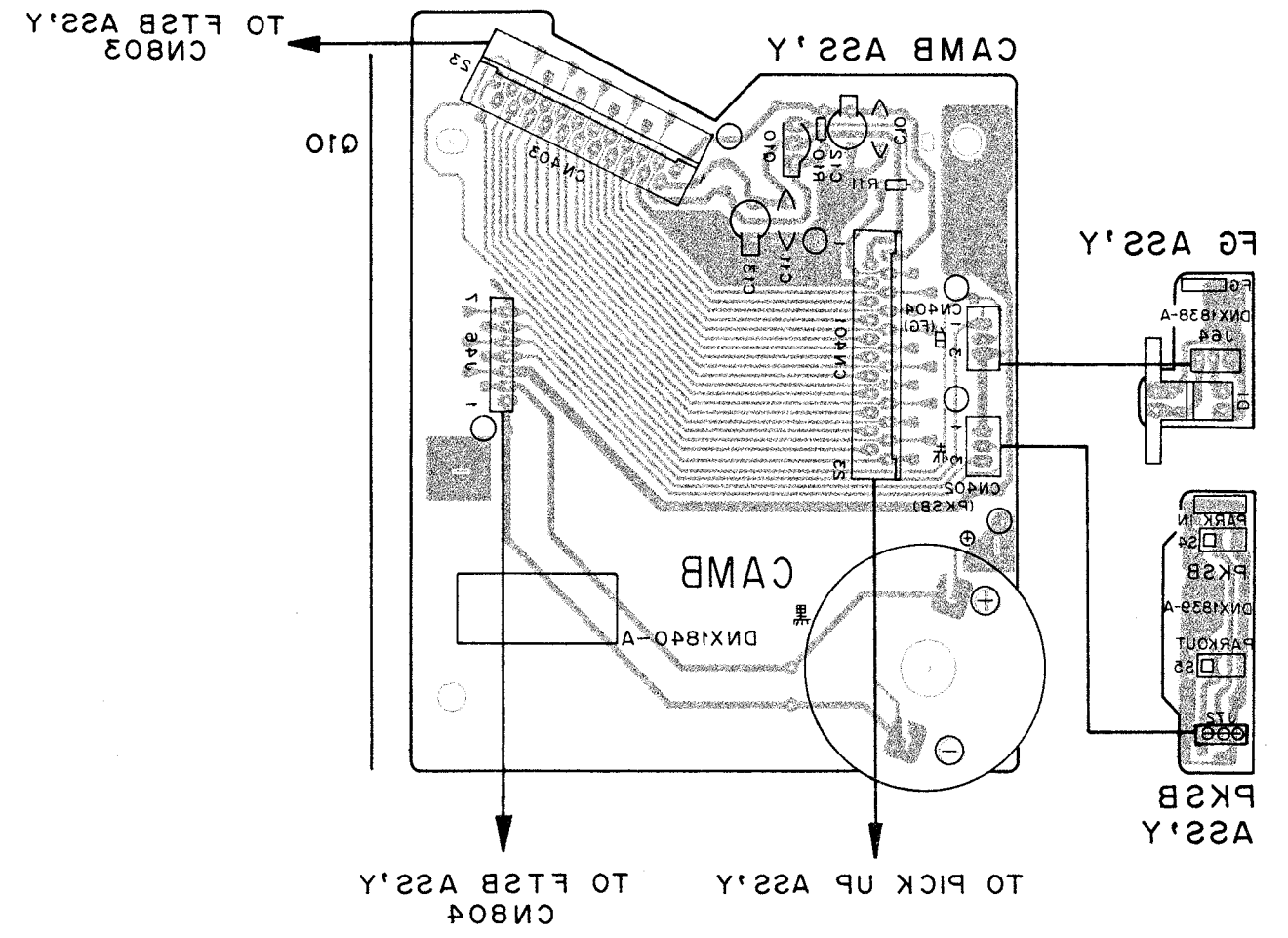
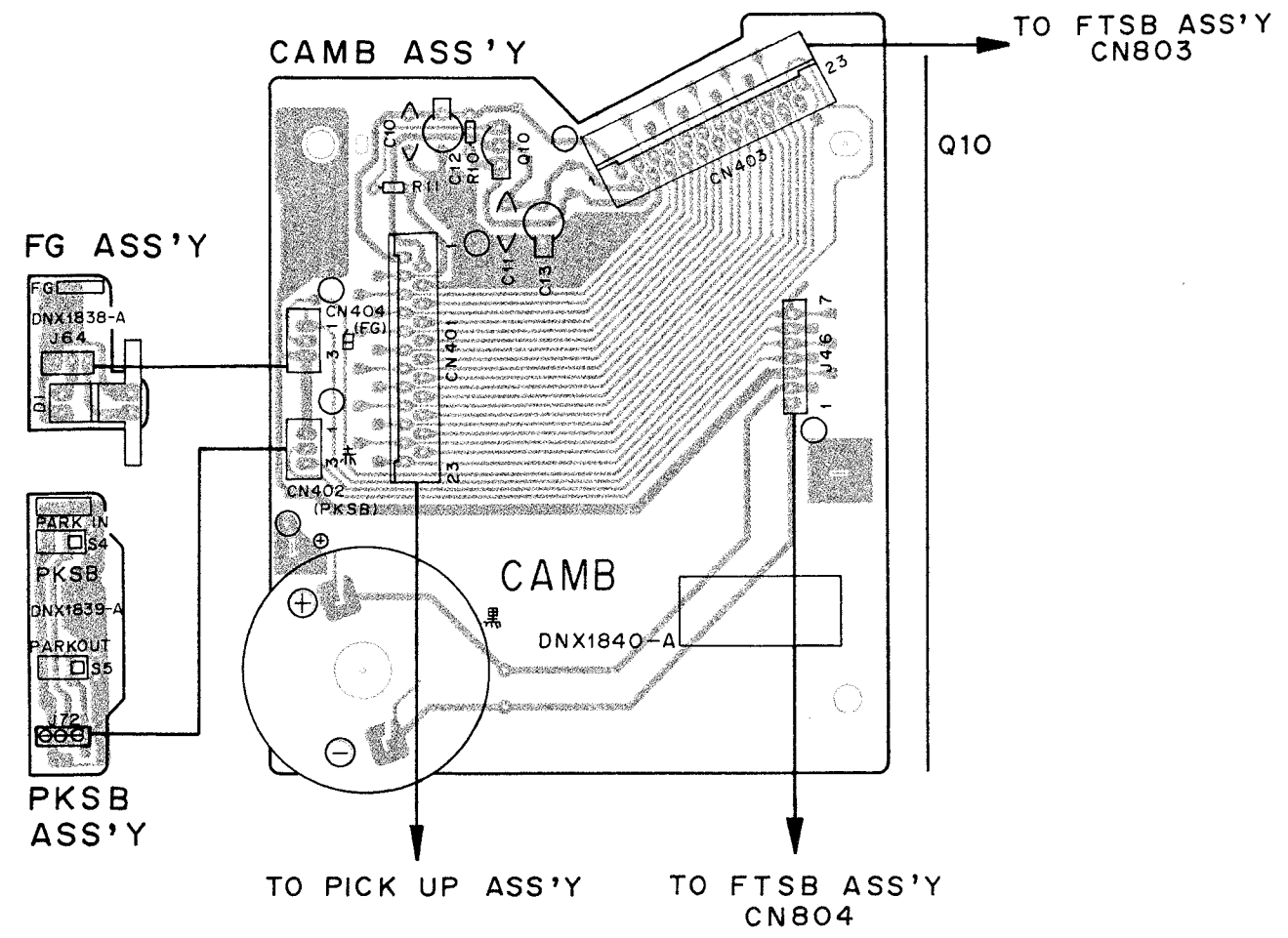
D

A

B

C

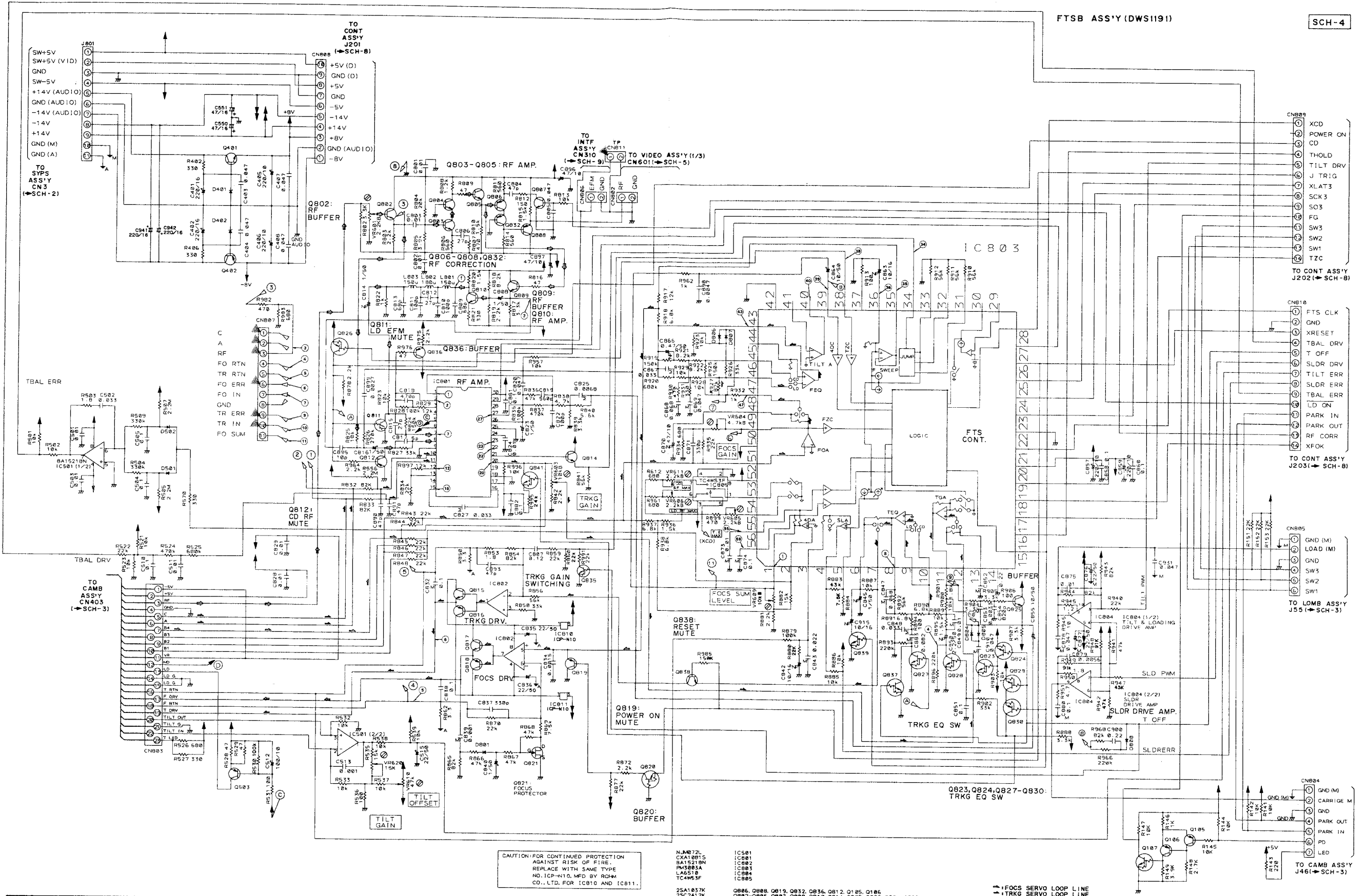
D



5.4 FTSB ASS'Y

FTSB ASS'Y (DWS1191)

SCH-4



CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE NO. ICP-N10, MFD BY RCM CO., LTD. FOR IC810 AND IC811.

- NJM072L
- CXA1885
- BA1521BN
- PM5005A
- LA5519
- TC4W53F
- 25A1837K
- 25C2412K
- DTA124EK
- OTC124EK
- 25B1185
- 25D1762
- 25A1139
- 25K1184
- Q821
- 155254
- MTZ9.1C
- IC801
- IC802
- IC803
- IC804
- IC805
- Q806, Q808, Q819, Q832, Q836, Q812, Q185, Q186
- Q820, Q824, Q826, Q829, Q830
- Q811, Q823, Q827, Q828, Q835, Q837, Q839, Q187, Q841
- Q816, Q818, Q481
- Q815, Q817, Q481
- Q818
- Q821
- Q801, Q804-Q808, Q501, Q502
- D401, D402

FOCUS SERVO LOOP LINE
TRKG SERVO LOOP LINE
RF SIGNAL LINE

SCH-4

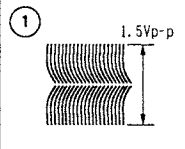
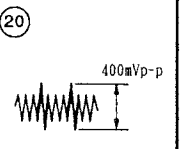
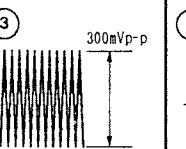
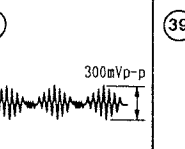
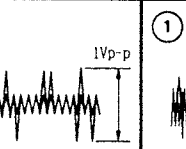
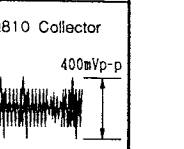
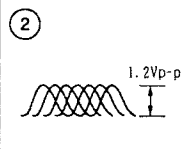
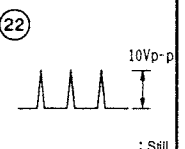
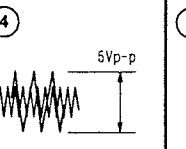
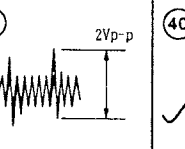
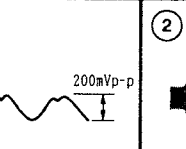
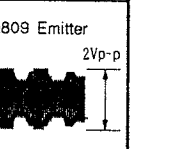
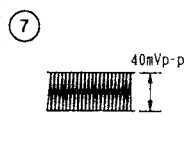
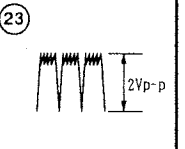
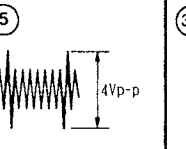
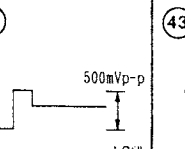
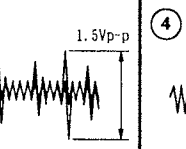
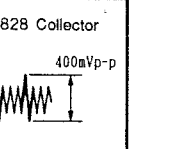
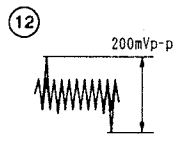
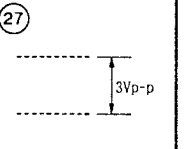
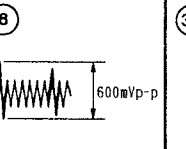
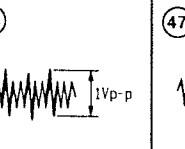
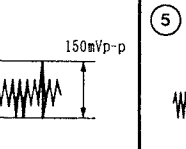
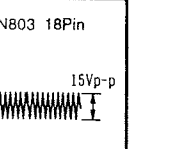
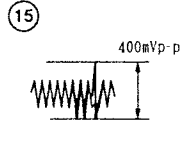
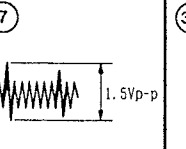
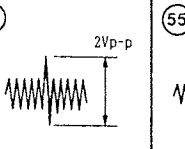
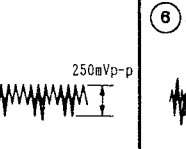
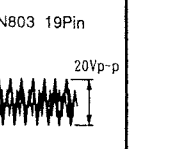
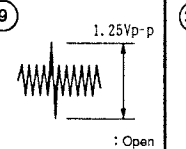
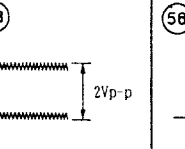
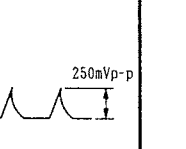
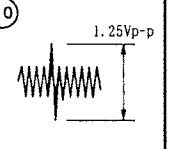
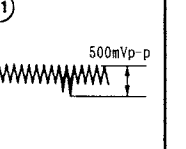
FTSB ASSY

FTSB ASSY

SCH-4

WAVEFORMS AND VOLTAGE TABLES
FTS SECTION

Note : (No.) in the table correspond to the pin number.

IC801 (CXA1081S)		CN807	IC803 (PM3003A)		Other points
① 	⑳ 	③ 	① 	⑳ 	① Q810 Collector 
② 	⑳  : Still	④ 	⑧ 	④⑩ 	② Q809 Emitter 
⑦ 	⑳ 	⑤ 	③④  : Still	④③ 	④ Q828 Collector 
⑫ 	⑳ 	⑥ 	③⑤ 	④⑦ 	⑤ CN803 18Pin 
⑮ 	/	⑦ 	③⑧ 	⑤⑤ 	⑥ CN803 19Pin 
		⑨  : Open	③⑧ 	⑤⑧ 	
		⑩ 			
		⑪ 			

This PCB connection diagram is viewed from the parts mounted side.

A

B

C

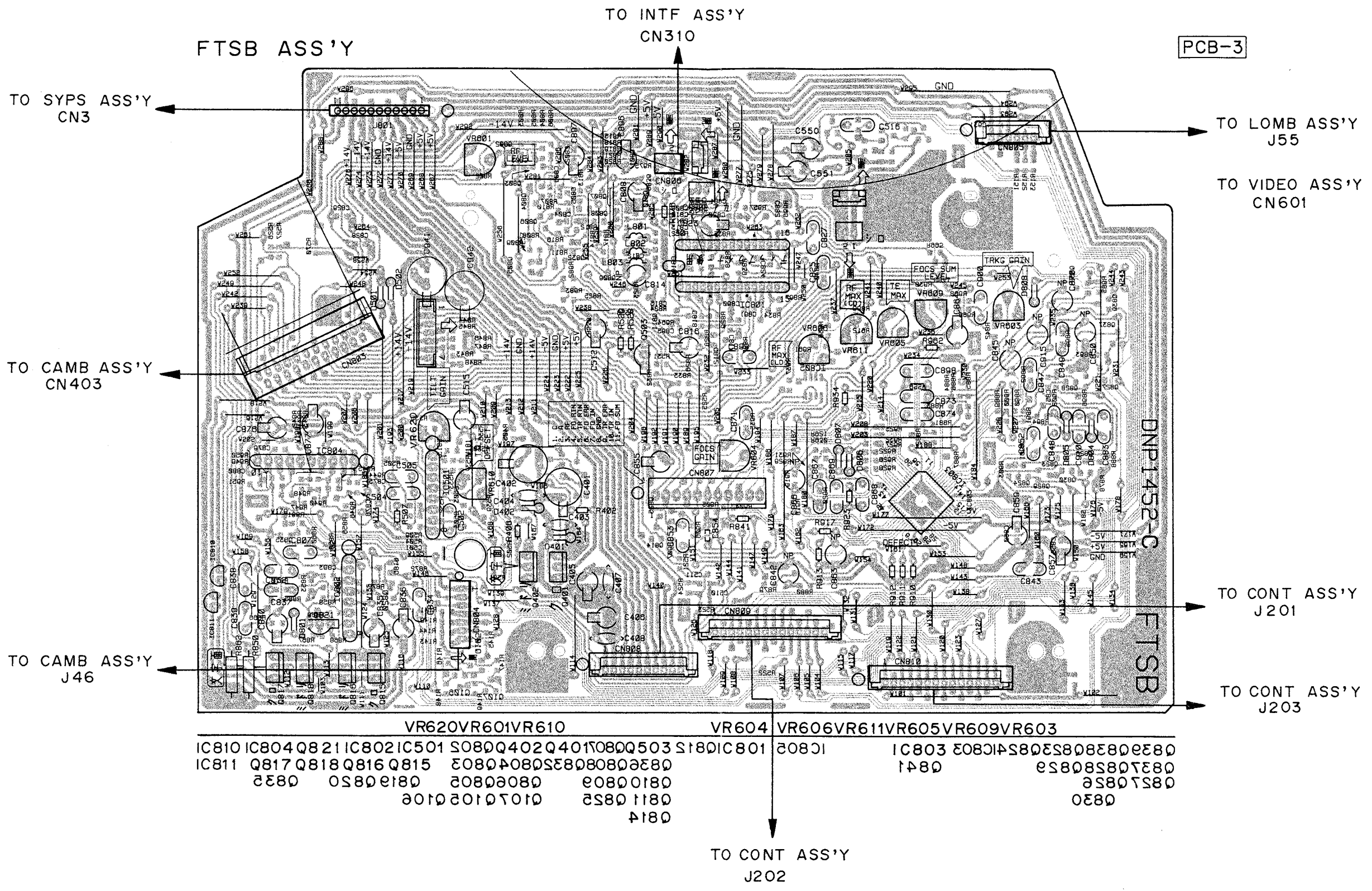
D

A

B

C

D



TO SYPS ASS'Y
CN3

FTSB ASS'Y

TO INTF ASS'Y
CN310

PCB-3

TO LOMB ASS'Y
J55

TO VIDEO ASS'Y
CN601

TO CAMB ASS'Y
CN403

DNP1452-C
FTSB

TO CONT ASS'Y
J201

TO CAMB ASS'Y
J46

TO CONT ASS'Y
J203

VR620VR601VR610 VR604 VR606VR611VR605VR609VR603

IC810	IC804	Q821	IC802	IC501	S080	Q402	Q401	T080	Q503	S180	IC801	IC803	IC802	S080	S081	S082	S083	S084	S085	S086	S087	S088	S089	S090	S091	S092	S093	S094	S095	S096	S097	S098	S099	S100	Q814
IC811	Q817	Q818	Q816	Q815	Q804	Q803	Q802	Q801	Q800	Q799	Q798	Q797	Q796	Q795	Q794	Q793	Q792	Q791	Q790	Q789	Q788	Q787	Q786	Q785	Q784	Q783	Q782	Q781	Q780	Q779	Q778	Q777	Q776	Q775	
Q832	Q831	Q830	Q829	Q828	Q827	Q826	Q825	Q824	Q823	Q822	Q821	Q820	Q819	Q818	Q817	Q816	Q815	Q814	Q813	Q812	Q811	Q810	Q809	Q808	Q807	Q806	Q805	Q804	Q803	Q802	Q801	Q800	Q799	Q798	
Q852	Q851	Q850	Q849	Q848	Q847	Q846	Q845	Q844	Q843	Q842	Q841	Q840	Q839	Q838	Q837	Q836	Q835	Q834	Q833	Q832	Q831	Q830	Q829	Q828	Q827	Q826	Q825	Q824	Q823	Q822	Q821	Q820	Q819	Q818	

TO CONT ASS'Y
J202

This PCB connection diagram is viewed from the foil side.

A

PCB-3

TO INTF ASS'Y
CN310

FT2B ASS'Y

TO SYP2 ASS'Y
CN3

TO LOMB ASS'Y
125

TO VIDEO ASS'Y
CN601

TO CAMB ASS'Y
CN403

TO CONT ASS'Y
1201

TO CONT ASS'Y
1203

VRSORVORVRE10		VRSORVORVRE03	
IC810	IC804	IC803	IC801
IC811	Q817	Q829	Q841
Q810	Q809	Q827	Q830
Q811	Q825		
Q814	Q107		
Q105	Q106		

TO CONT ASS'Y
1205

DNB125-C

FT2B

B

C

D

A

B

C

D

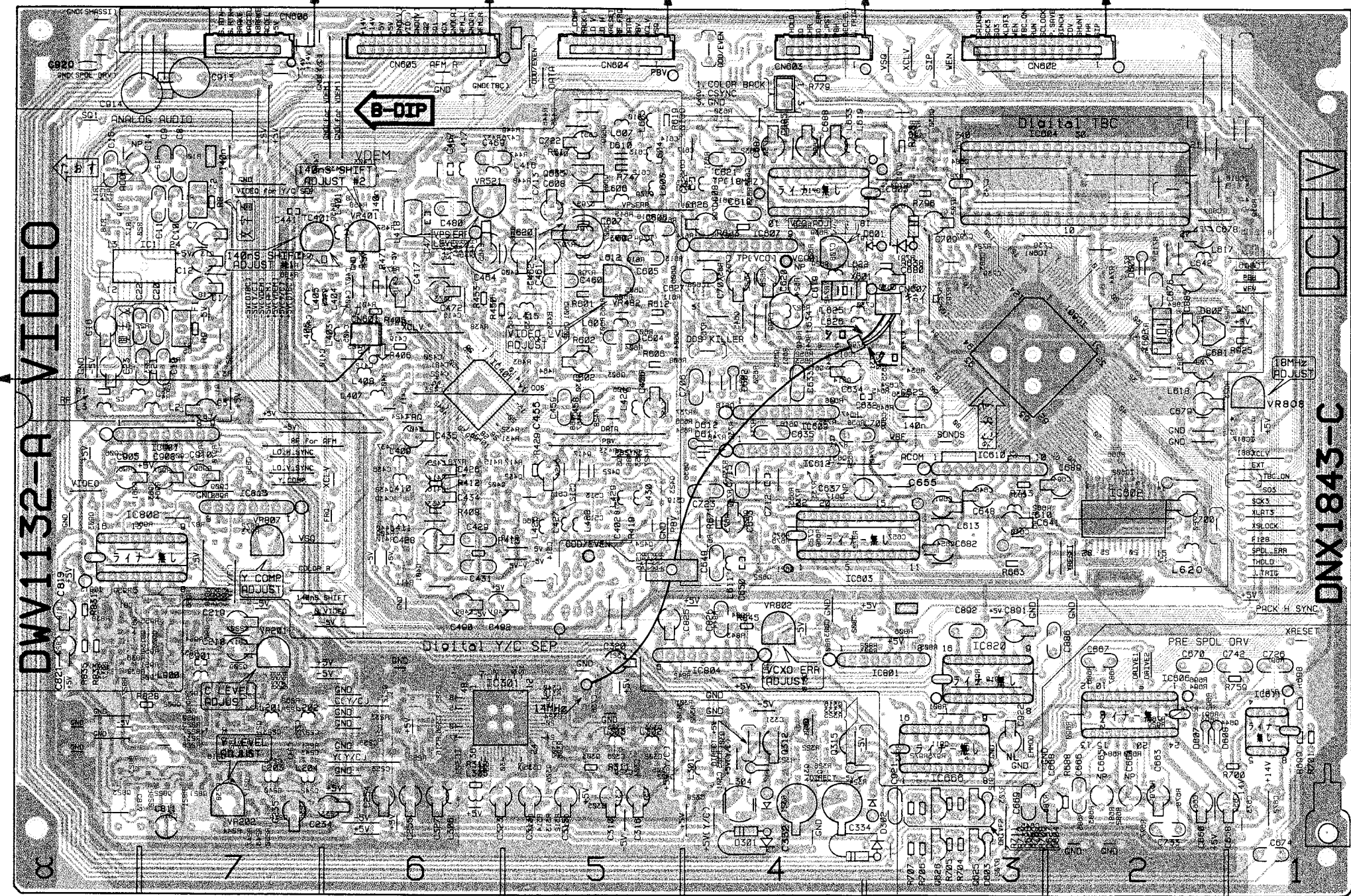
- This PCB is double sided.
- Foil pattern for each side is identified with pink and gray. Black colored parts are mounted on the pink foil side; red colored parts on the gray foil side.
- This diagram is viewed from black colored parts side.

PCB-4

A

A

VIDEO ASS'Y CN1 J209 J210 J211 J212 TO SYPS ASS'Y TO CONT ASS'Y TO CONT ASS'Y TO CONT ASS'Y TO CONT ASS'Y



DNX1843-C

DNX1843-C

DNX1843-C

DNP1451-C

VR521	IC605	5070		
TC401	IC607	7020	3070	
VR401	IC1	1431	0340	3180
VC901	0400	0300	1001	1001
VR482	2000	8001		
		1000	2400	
IC601	2000	4000		
	50	3000	3100	3100
IC401		10	0400	3100
VR808	IC601	8100		
IC901	0100	7180		
IC612	7100	0310		
IC610	2500	0450	0300	1001
IC602	0100	2000	2500	7100
IC815	3000	4500	0100	
VR807	IC603	4500		
IC802		1100	1500	
		2100	1000	2500
IC804		4100	1000	
VR201	IC801	3100	0000	
IC820	0000	7100	8100	
IC301	2000	2100	0100	
IC606	1100	3100	0400	4400
IC611	Q312	0100	0100	1000
IC666	Q315	0100	0300	4100
		7100	0300	1001
VR202	Q628	2000		
	Q627	8100		
	Q626			
	Q625			

A

A

3

B

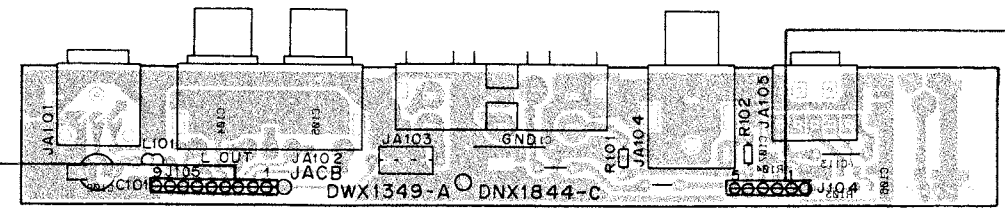
3

C

3

D

JACB ASS'Y



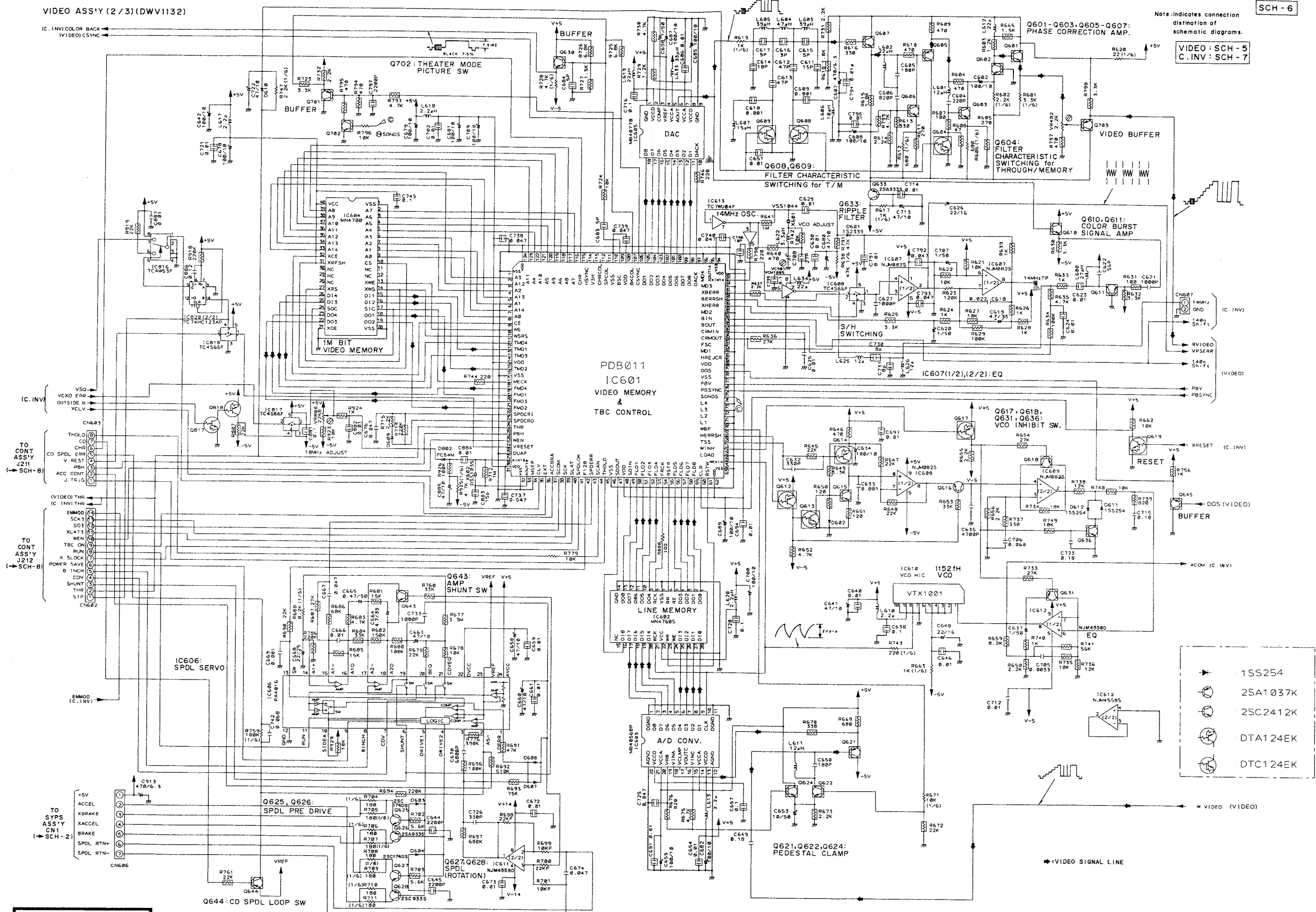
5.6 VIDEO ASS'Y (2/3) (DIGITAL VIDEO)

SCH-6

VIDEO ASS'Y (2/3) (DWV1132)

Note: indicates connection
distinction of
schematic diagrams.

VIDEO : SCH-5
C. INV : SCH-7



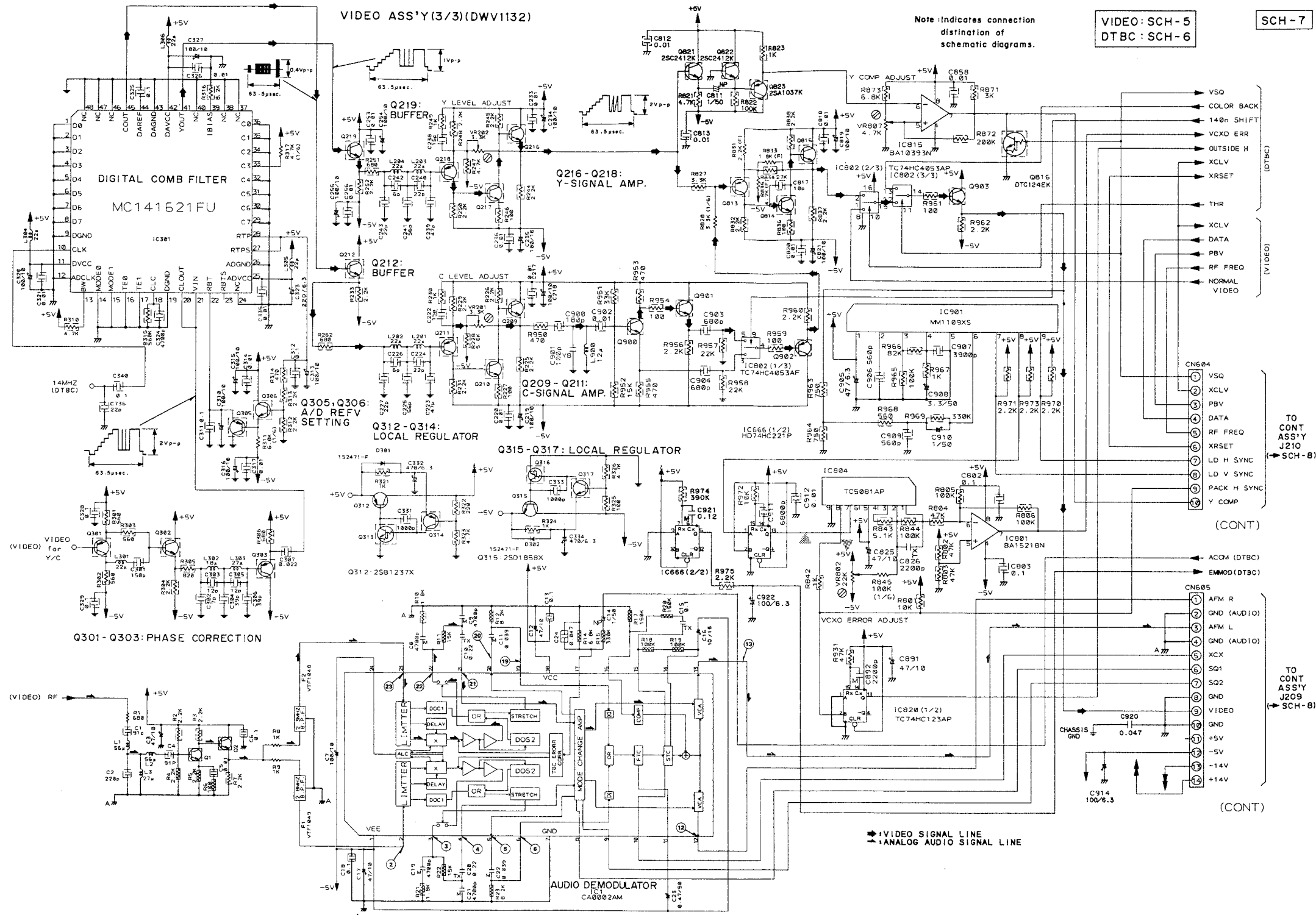
SCH-6

VIDEO ASSY (2/3)

VIDEO ASSY (2/3)

SCH-6

5.7 VIDEO ASS'Y (3/3) (Y/C SEPARATION AND ANALOG AUDIO)



VIDEO: SCH-5
DTBC: SCH-6

SCH-7

Note: Indicates connection distinction of schematic diagrams.

- VSO
 - COLOR BACK
 - 140n SHIFT
 - VCXO ERR
 - OUTSIDE H
 - XCLV
 - XRSET
 - THR
 - XCLV
 - DATA
 - PBV
 - RF FREQ
 - NORMAL VIDEO
- (VIDEO)

- ① VSO
 - ② XCLV
 - ③ PBV
 - ④ DATA
 - ⑤ RF FREQ
 - ⑥ XRSET
 - ⑦ LD H SYNC
 - ⑧ LD V SYNC
 - ⑨ PACK H SYNC
 - ⑩ Y COMP
- TO CONT ASS'Y J210 (SCH-8)

(CONT)

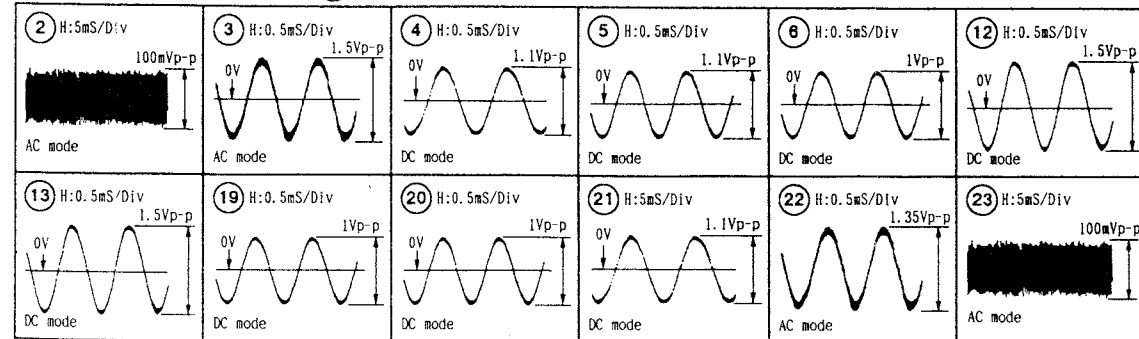
- ① ACM (DTBC)
 - ② ENMOD (DTBC)
 - ③ AFM R
 - ④ GND (AUDIO)
 - ⑤ AFM L
 - ⑥ GND (AUDIO)
 - ⑦ XCX
 - ⑧ SQ1
 - ⑨ SQ2
 - ⑩ GND
 - ⑪ VIDEO
 - ⑫ GND
 - ⑬ +5V
 - ⑭ -14V
 - ⑮ +14V
- TO CONT ASS'Y J209 (SCH-8)

(CONT)

▶ VIDEO SIGNAL LINE
▶ ANALOG AUDIO SIGNAL LINE

Note: These waveforms are at the PLAY mode.

● IC1 (CA0002AM) Note: (No.) in the table correspond to the pin number.



● IC1 (CA0002AM)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	-5	13	*
2	*	14	-0.6
3	*	15	-0.6
4	*	16	0
5	*	17	0
6	*	18	5
7	0	19	*
8	0	20	*
9	0	21	*
10	5	22	*
11	2	23	*
12	*	24	-2.2

* : Refer to waveforms

SCH-7 VIDEO ASSY (3/3)

VIDEO ASSY (3/3) SCH-7

CONT ASS'Y

A

B

C

D

TO
FTSB
ASS'Y
CN810

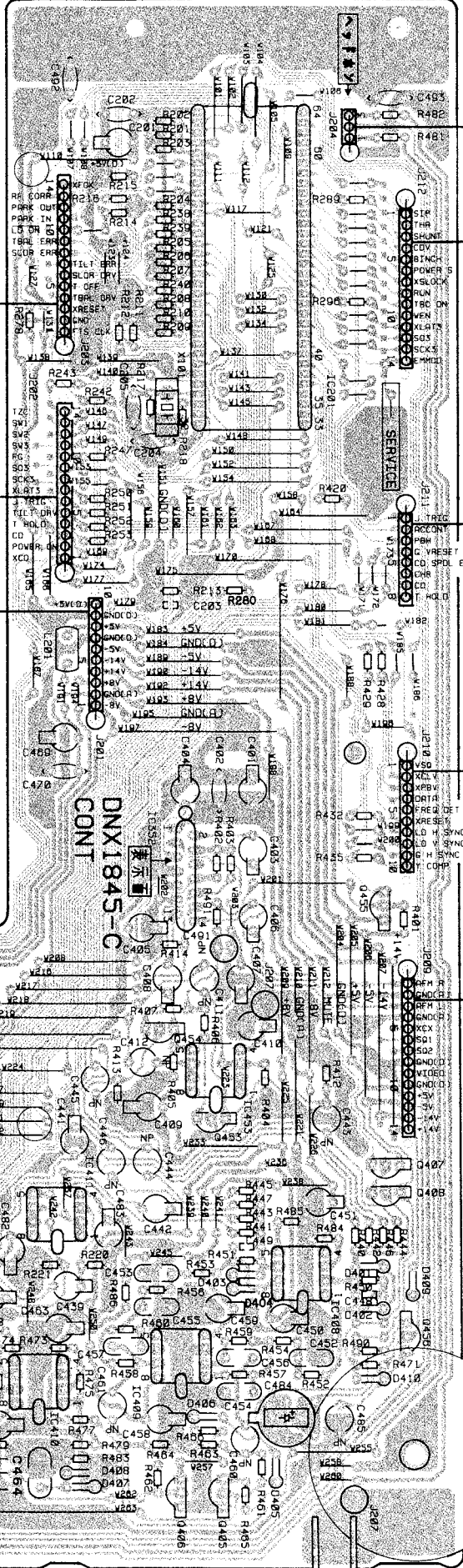
TO
FTSB
ASS'Y
CN809

TO
FTSB
ASS'Y
CN808

TO
INTF
ASS'Y
CN301

TO
INTF
ASS'Y
CN302

TO
INTF
ASS'Y
CN303



PCB-5

TO
HEPB
ASS'Y
CN501

TO
VIDEO
ASS'Y
CN602

TO
VIDEO
ASS'Y
CN603

TO
VIDEO
ASS'Y
CN604

TO
VIDEO
ASS'Y
CN605

IC 201

IC 352

Q 455

Q 454

IC 453

Q 453

Q 407

Q 408

IC 411

IC 408

Q 456

IC 409

IC 410

Q 405

Q 406

DNP1488-C

PCB-2

TO
HEPB
ASS'Y
CN501

TO
VIDEO
ASS'Y
CN602

TO
VIDEO
ASS'Y
CN603

TO
VIDEO
ASS'Y
CN604

TO
VIDEO
ASS'Y
CN605

IC 501

IC 355

Q 452

Q 454

IC 453

Q 453

Q 407

Q 408

IC 411

IC 408

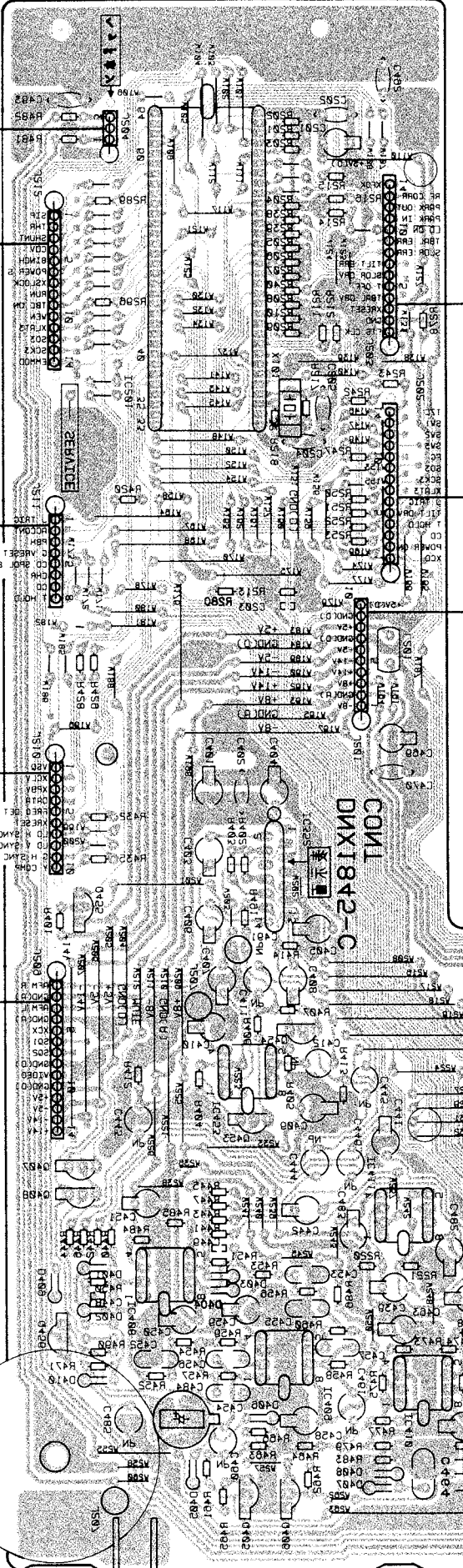
Q 456

IC 409

IC 410

Q 405

Q 406



CONT ASS'Y

A

B

C

D

TO
FTSB
ASS'Y
CN810

TO
FTSB
ASS'Y
CN809

TO
FTSB
ASS'Y
CN808

TO
INTF
ASS'Y
CN301

TO
INTF
ASS'Y
CN302

TO
INTF
ASS'Y
CN303

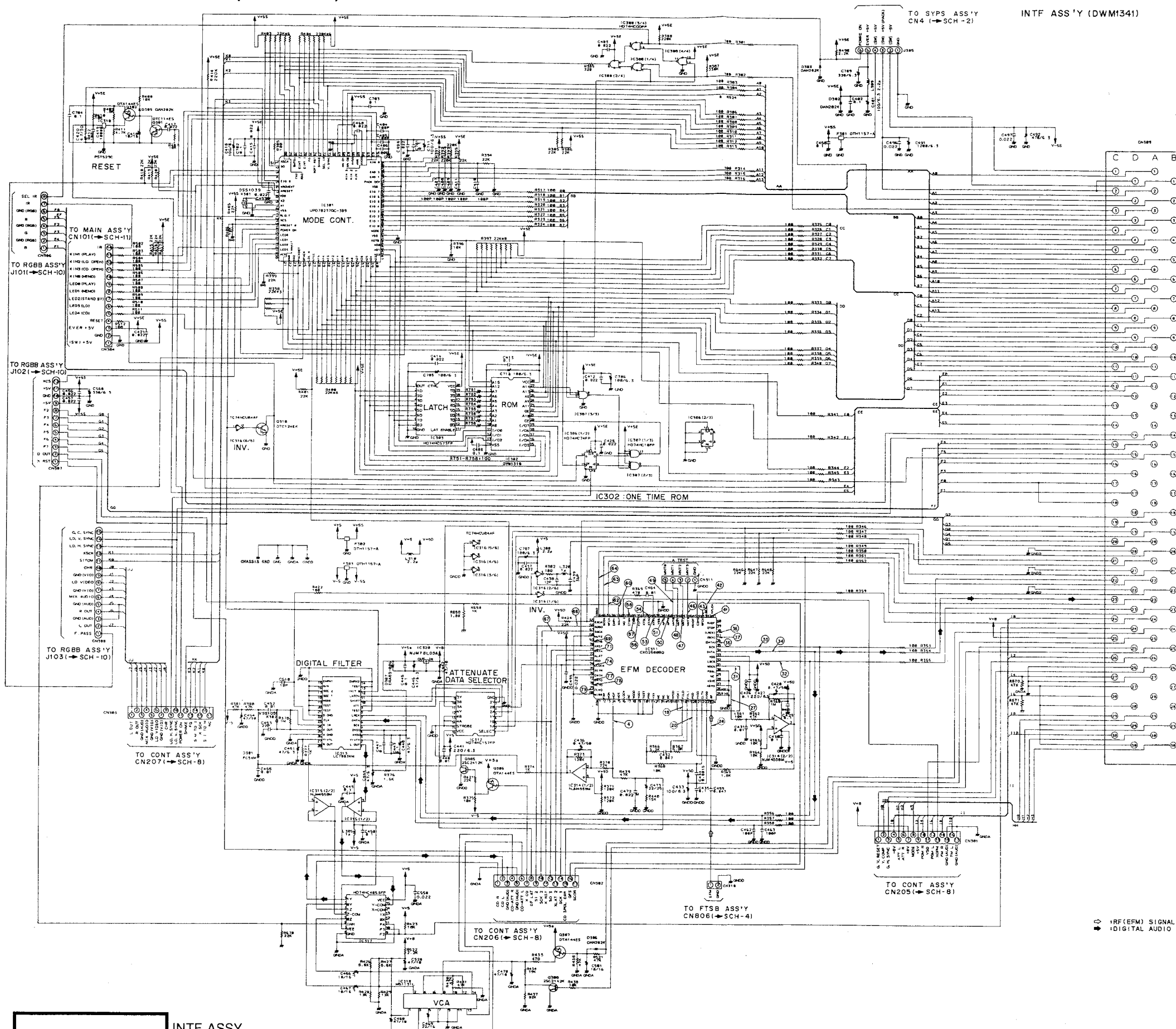
DNP1488-C

This PCB connection diagram is viewed from the parts mounted side.

This PCB connection diagram is viewed from the foil side.

5.9 INTF ASS'Y (INTERFACE)

SCH-9



GAME PACK
KARAOKE PACK

	C	D	A	B
1	(SW) -5V	(SW) +5V	EIO 8	GND (D)
2	(SW) +5V	SEL IR IN	S OUT	X SCK
3	SEL IR OUT	EIO 7	TXD	EINT 2
4	EIO 6	EIO 5	S IN	RXD
5	EIO 4	EIO 3	EINT 1	V SYNC
6	EIO 2	EIO 1	EDA 1	EDA 0
7	EIO 0	AD 0	EAD 2	EAD 1
8	AD 1	AD 2	PACK DEF	A8
9	AD 3	AD 4	A9	A10
10	AD 5	AD 6	A11	A12
11	AD 7	ASTB	A13	A14
12	X WAIT	XRD	A15	EXO 3
13	XWR	RESET IN	EXO 2	EXO 1
14	RESET OUT	LD H SYNC	NC	LD V SYNC
15	GND (RGB)	R	X RST	ROMCS
16	GND (RGB)	G	NC	NC
17	GND (RGB)	B	NC	NC
18	GND (RGB)	F0	NC	F4
19	F1	F2	F5	F6
20	F3	GND (D)	F7	LATCH
21	MT CLK	GND (D)	SHIFT	ATT
22	BCK	GND (D)	EXCK	SBSO
23	DATA	LRCK	SCOR	WECK
24	-BV	CD SW	C2PO	CD FADE
25	+BV	VSQ	CD SMT	G. C. SYNC
26	+5V	GND (AUD)	G. V. RESET	G. H. SYNC
27	PGM R	GND (AUD)	GND (AUD)	NC
28	PGM L	GND (AUD)	NC	NC
29	FM R	GND (AUD)	Y. COMP	ATT L
30	FM L	GND (AUD)	ATT R	MODE

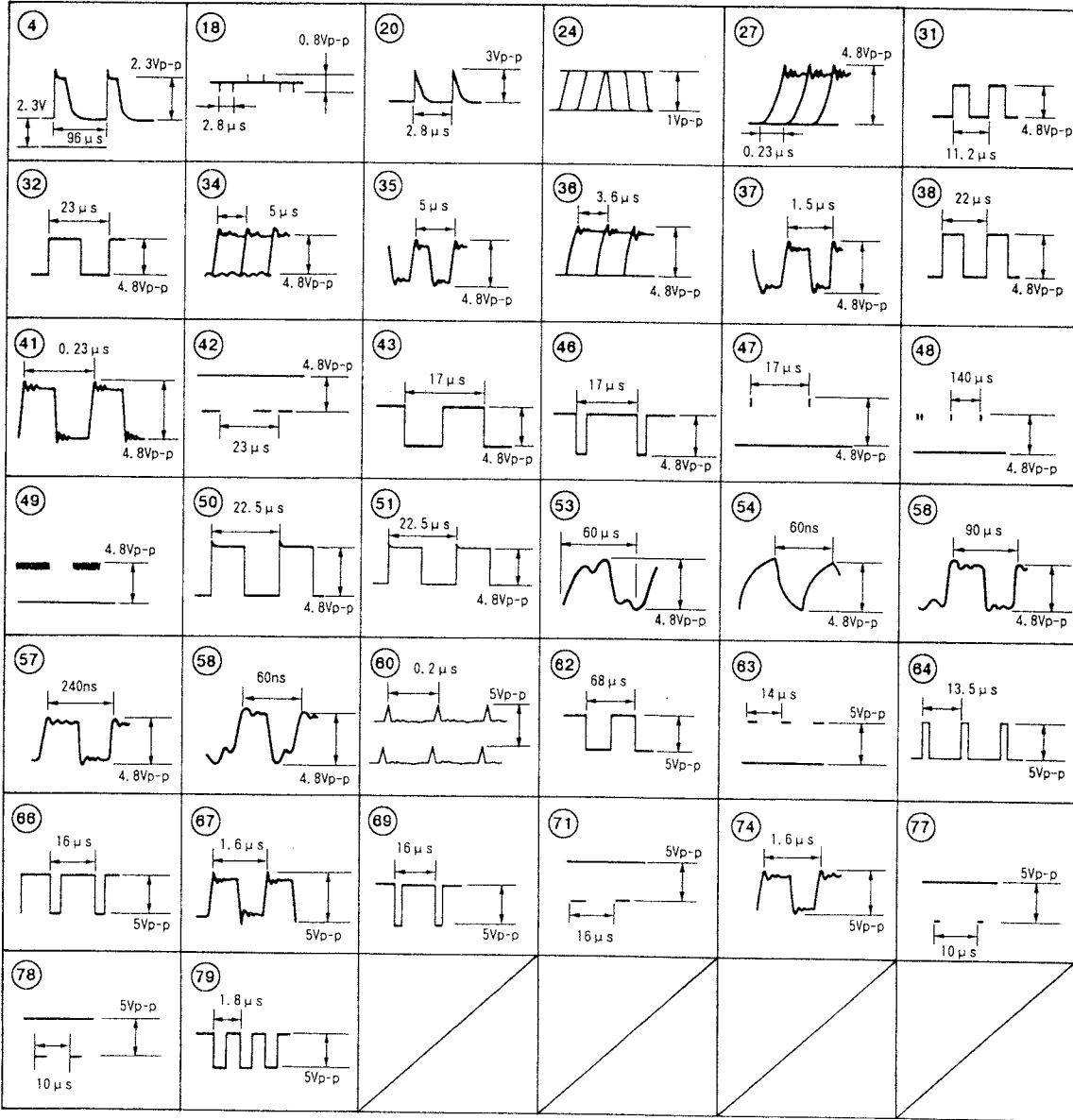
⊕ RF (EFM) SIGNAL LINE
 ⊕ DIGITAL AUDIO (L) SIGNAL LINE

SCH-9 INTF ASSY

INTF ASSY SCH-9

IC311 (CXD2500BQ)

Note: (No.) in the table correspond to the pin number.



Note : These voltages are at the PLAY mode.

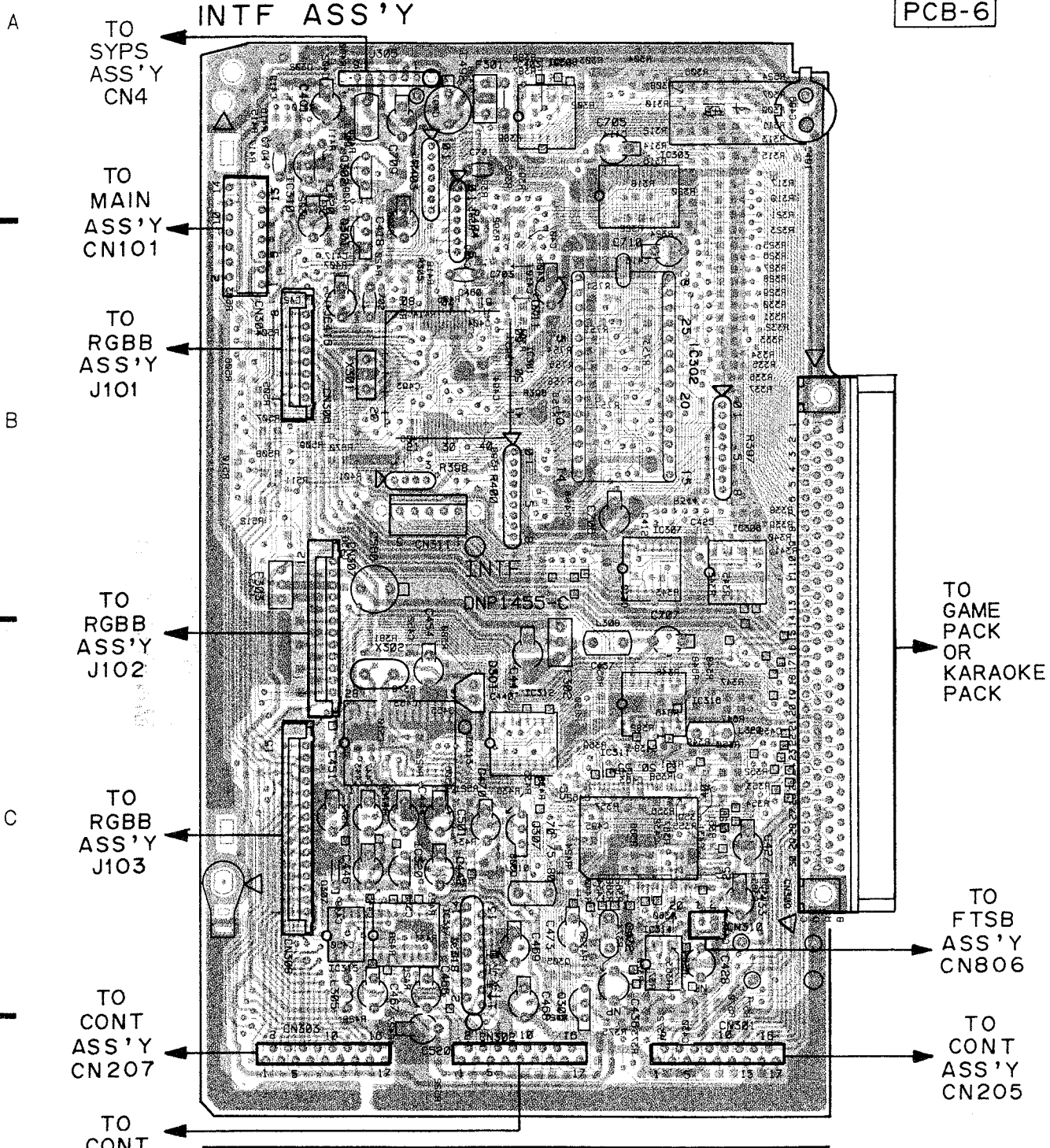
IC311 (CXD2500BQ)

Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	15	0	29	0	43	*	57	*	71	*
2	0	16	4.8	30	0	44	0	58	*	72	5
3	0	17	0	31	*	45	4.8	59	5	73	5
4	*	18	*	32	*	46	*	60	*	74	*
5	0	19	2.4	33	4.8	47	*	61	5	75	0
6	4.8	20	*	34	*	48	*	62	*	76	0
7	0	21	0	35	*	49	*	63	*	77	*
8	4.8	22	2.3	36	*	50	*	64	*	78	*
9	0	23	4.8	37	*	51	*	65	0	79	*
10	0	24	*	38	*	52	0	66	*	80	0
11	0	25	0	39	0	53	*	67	*		
12	0	26	0	40	4.8	54	*	68	0		
13	0	27	*	41	*	55	0	69	*		
14	0	28	0	42	*	56	*	70	5		

* : Refer to waveforms

- This PCB is double sided.
- Foil pattern for each side is identified with pink and gray. Black colored parts are mounted on the pink foil side; red colored parts on the gray foil side.
- This diagram is viewed from black colored parts side.

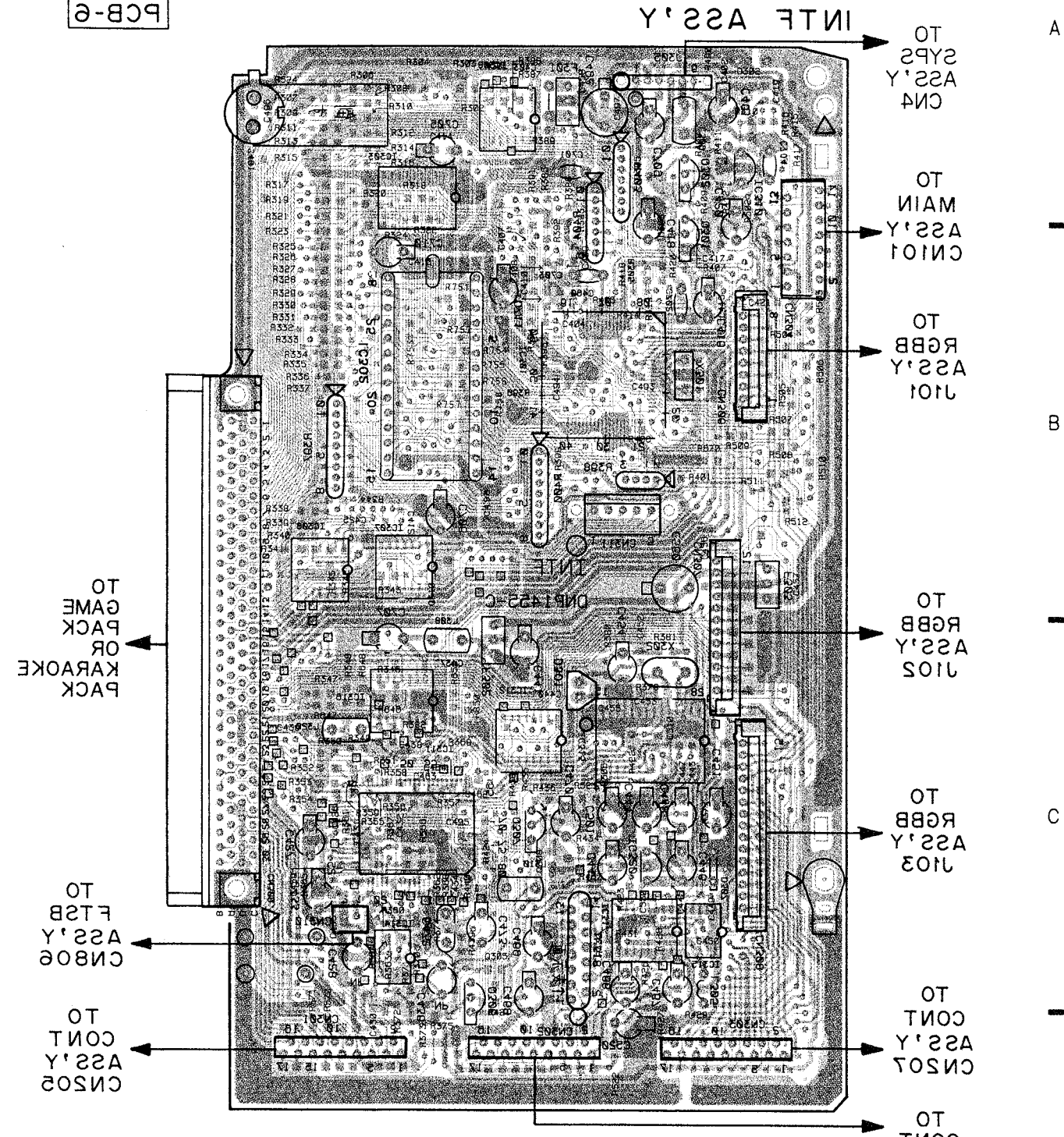
PCB-6



Q302 IC313 IC301 IC308 IC303 IC306
 Q301 IC317 Q307 IC312 IC307 IC311
 IC310 IC320 IC318 Q306 IC316
 IC315 80E0 20E0 IC314
 01E0
 IC302

- This PCB is double sided.
- Foil pattern for each side is identified with pink and gray. Black colored parts are mounted on the pink foil side; red colored parts on the gray foil side.
- This diagram is viewed from red colored parts side.

6-PCB

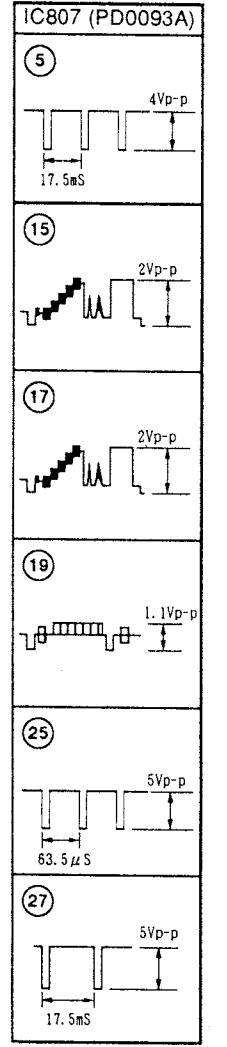
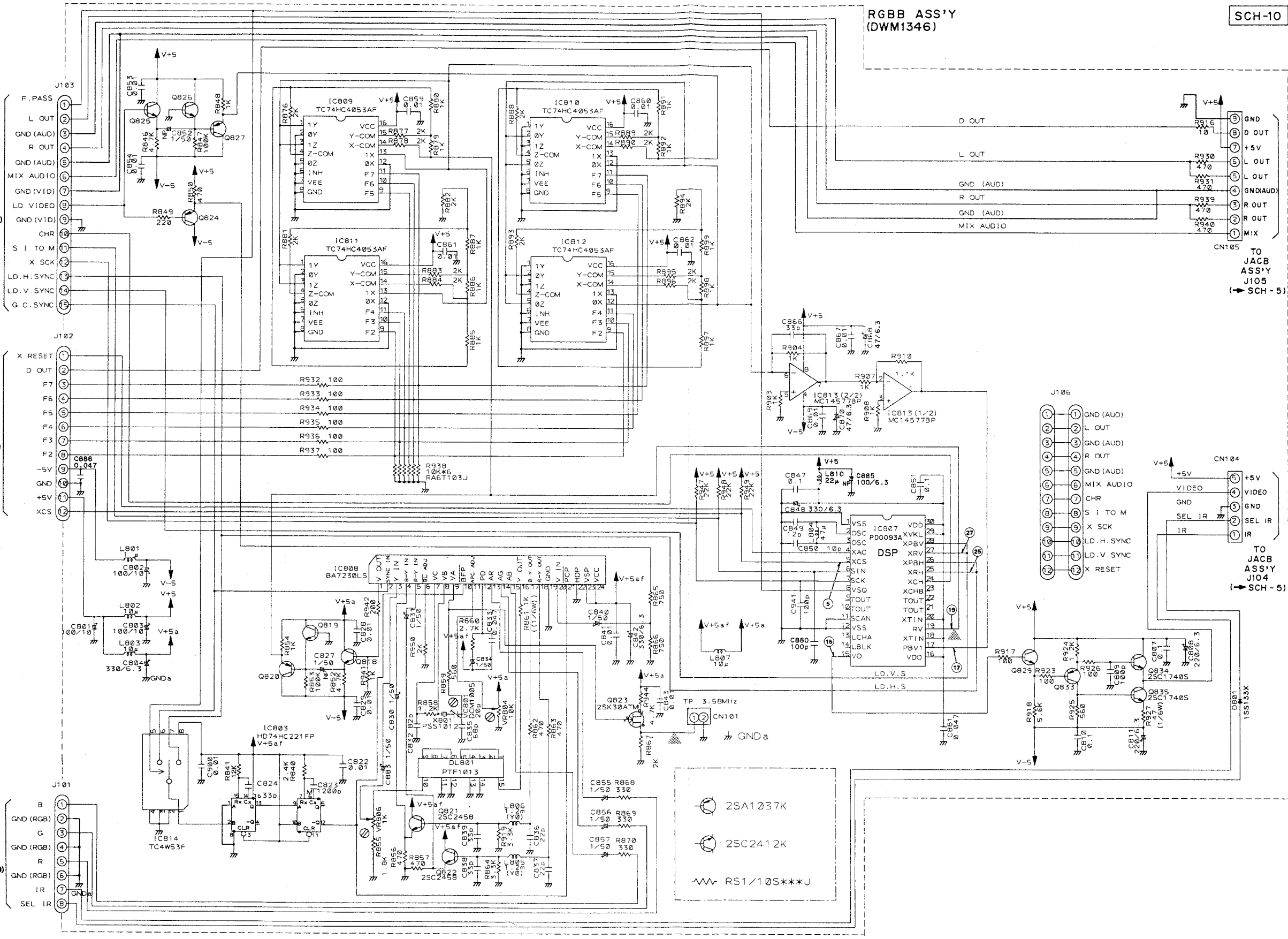


Q305 IC313 IC301 IC308 IC303 IC306
 Q301 IC317 Q307 IC312 IC307 IC311
 IC310 IC320 IC318 Q306 IC316
 IC315 80E0 20E0 IC314
 01E0
 IC302

5.10 RGBB ASS'Y

RGBB ASS'Y (DWM1346)

SCH-10



TO INTF ASS'Y CN308 (SCH-9)

TO INTF ASS'Y CN307 (SCH-9)

TO INTF ASS'Y CN306 (SCH-9)

TO JACB ASS'Y J105 (SCH-5)

TO JACB ASS'Y J104 (SCH-5)

SCH-10

RGBB ASSY

SCH-10

RGBB ASSY

This PCB connection diagram is viewed from the parts mounted side.

This PCB connection diagram is viewed from the foil side.

PCB-7

PCB-7

A

A

B

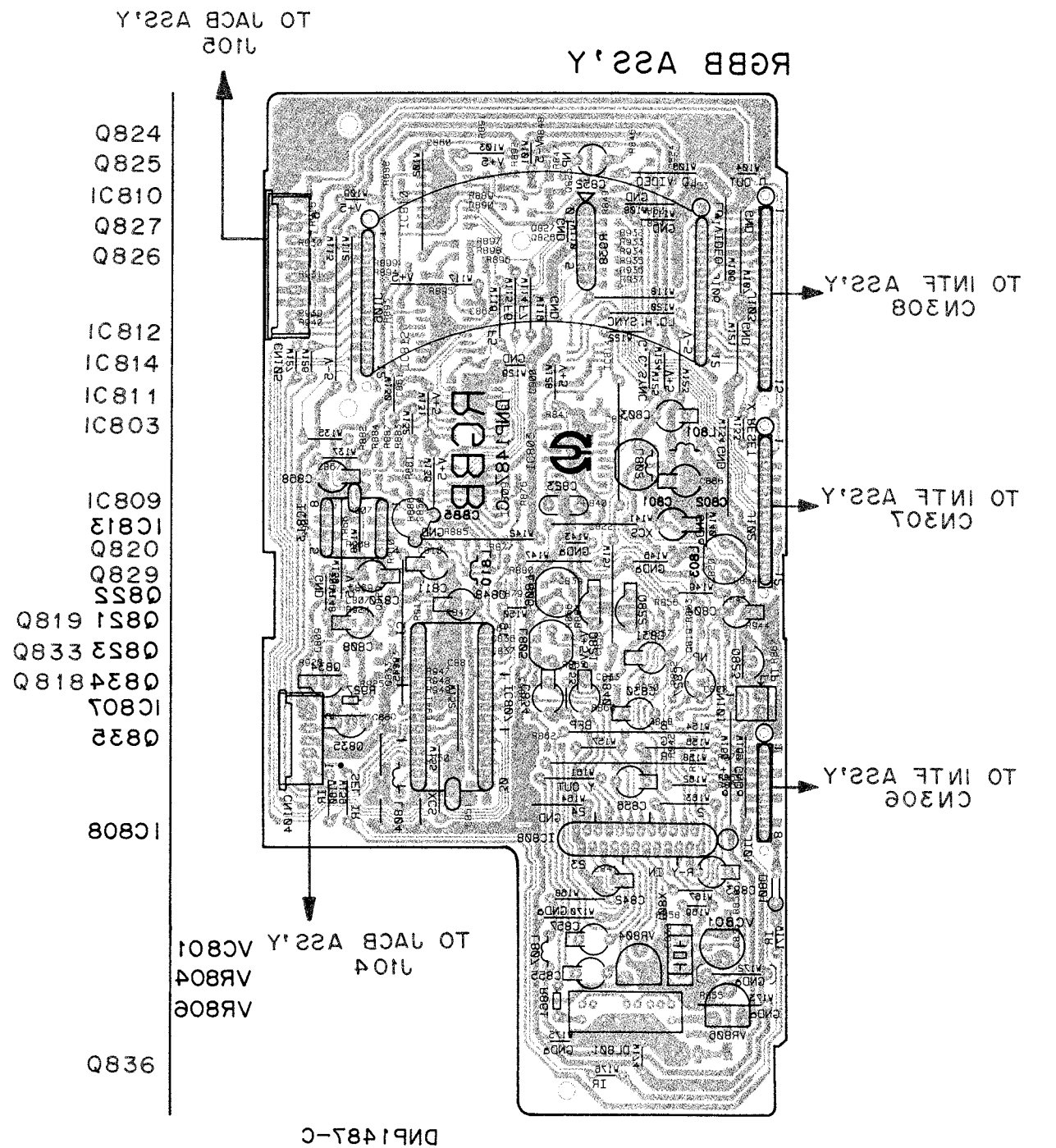
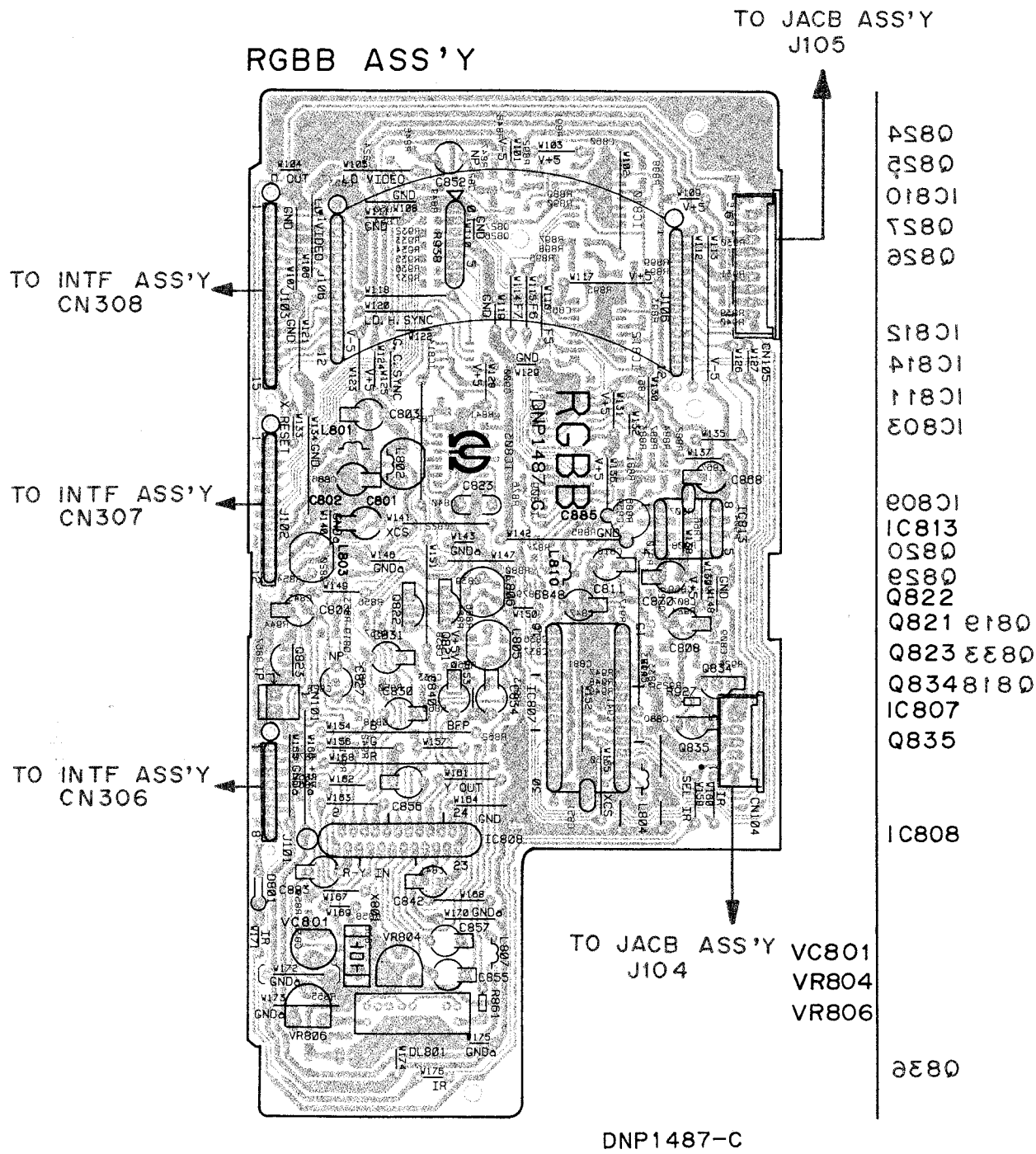
B

C

C

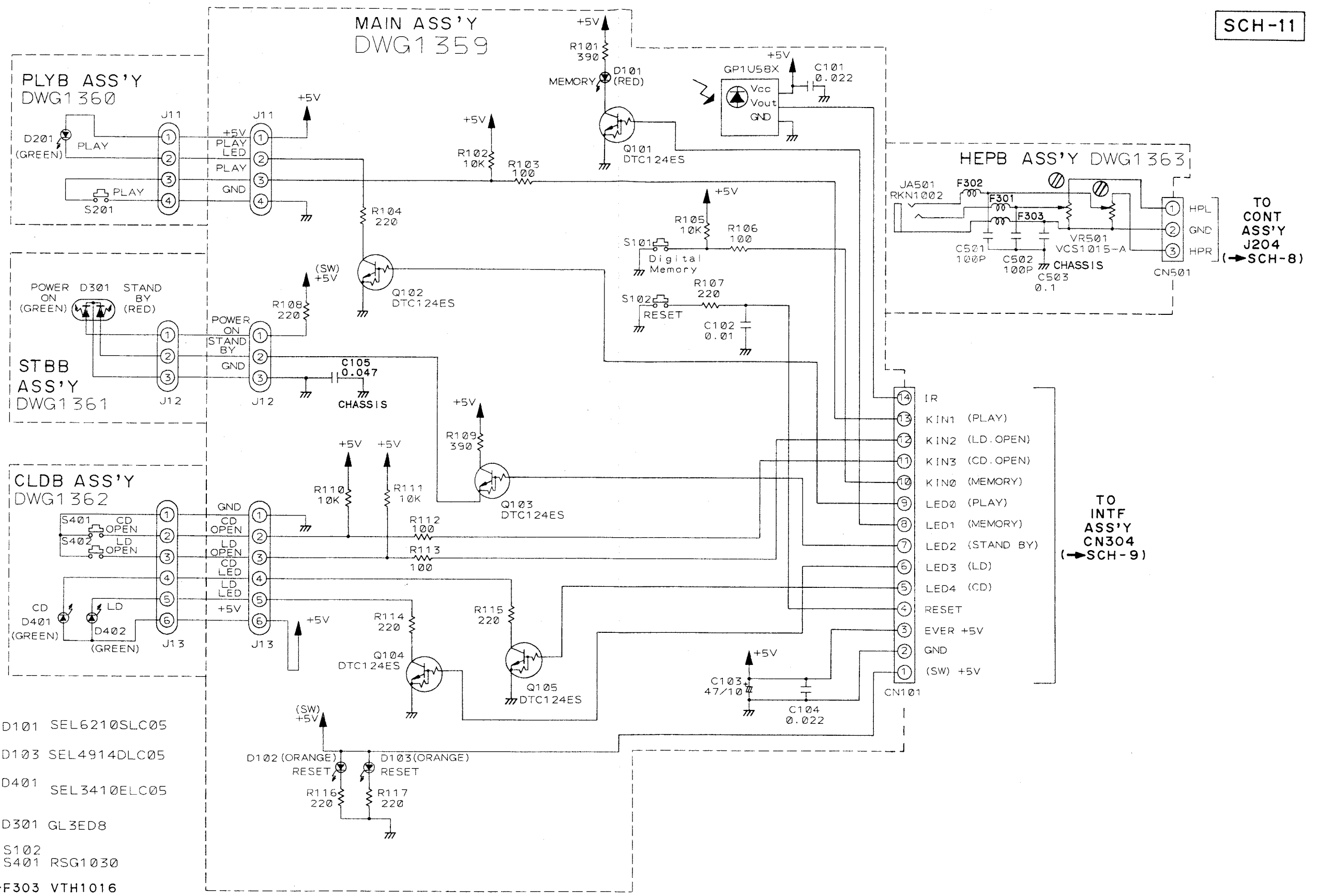
D

D



5.11 PLYB, STBB, CLDB, MAIN, HEPB ASS'Y

SCH-11



- D101 SEL6210SLC05
- D102, D103 SEL4914DLC05
- D201, D401 SEL3410ELC05
- D402
- D301 GL3ED8
- S101, S102
- S201, S401 RSG1030
- S402
- F301-F303 VTH1016

SCH-11

PLYB ASSY, STBB ASSY, CLDB ASSY, MAIN ASSY, HEPB ASSY

PLYB ASSY, STBB ASSY, CLDB ASSY, MAIN ASSY, HEPB ASSY

SCH-11

This PCB connection diagram is viewed from the parts mounted side.

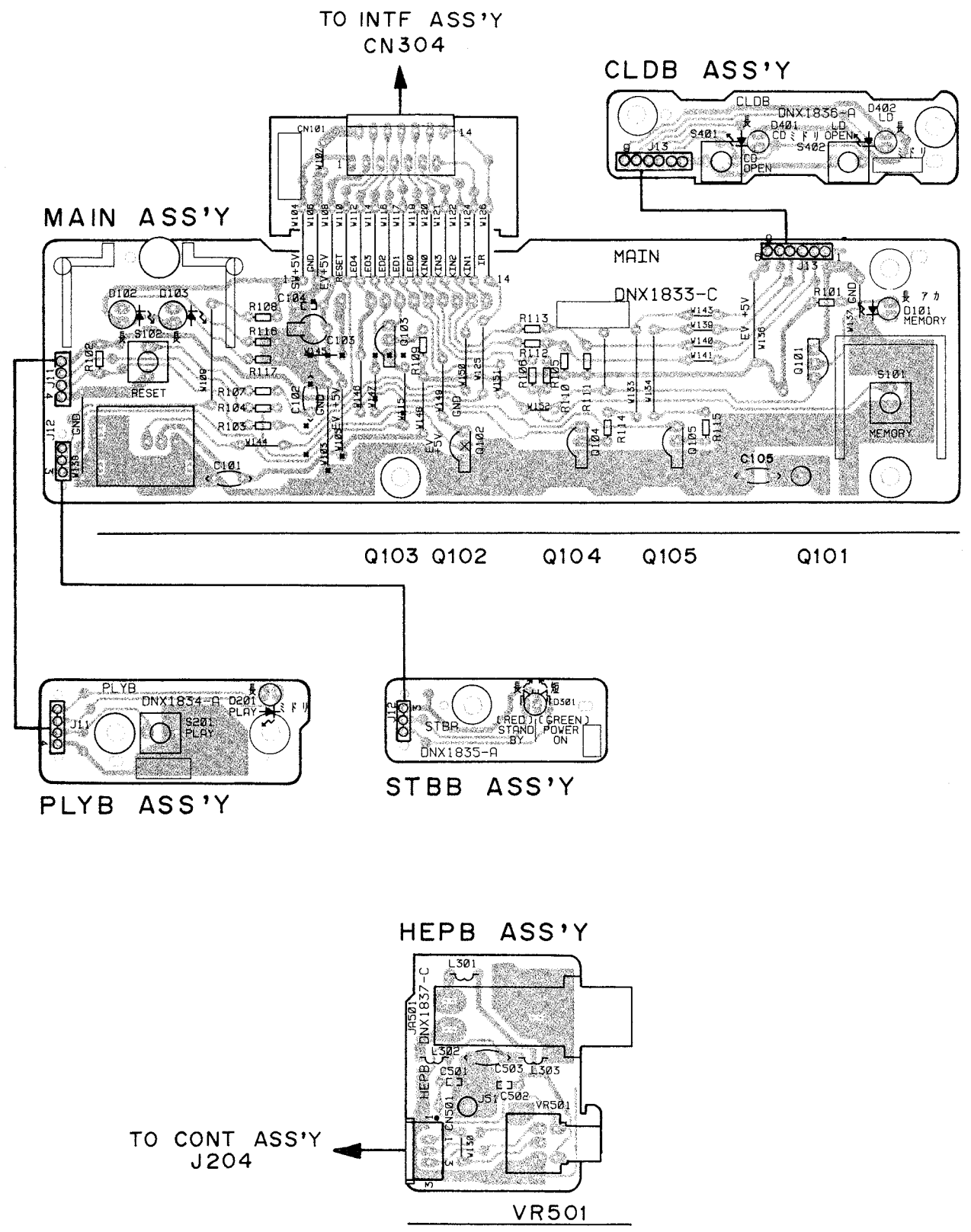
PCB-8

A

B

C

D



DNP1489-C

This PCB connection diagram is viewed from the foil side.

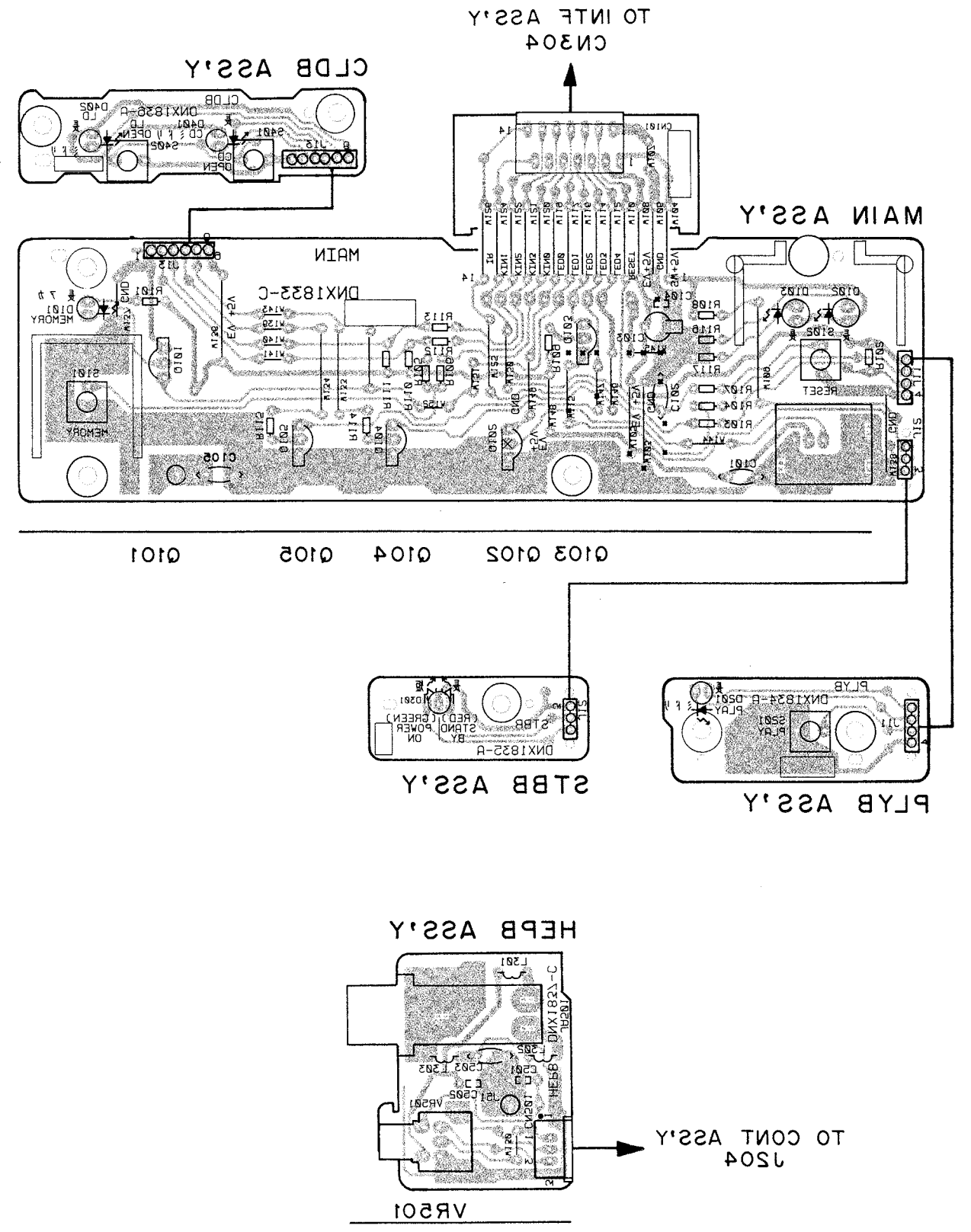
PCB-8

A

B

C

D



DNP1489-C

6. PCB PARTS LIST

NOTES:
 ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
 ● The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 ● Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
 ● When ordering resistors, first convert resistance values into code form as shown in the following examples.
 Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω → 56 × 10¹ → 561 RD1/8PM $\boxed{561}J$
 47k Ω → 47 × 10³ → 473 RD1/4PS $\boxed{473}J$
 0.5 Ω → 0R5 RN2H $\boxed{0R5}K$
 1 Ω → 010 RS1P $\boxed{010}K$

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
 5.62k Ω → 562 × 10¹ → 5621 RN1/4PC $\boxed{5621}F$

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
----------	-------------	-----------	----------	-------------	-----------

LIST OF ASSEMBLIES

NSP	KEIH ASSY	DWM1343
NSP	└ MAIN ASSY	DWG1359
NSP	└ PLYB ASSY	DWG1360
NSP	└ STBB ASSY	DWG1361
NSP	└ CLDB ASSY	DWG1362
NSP	└ HEPB ASSY	DWG1363
NSP	CONT ASSY	DWM1342
NSP	└ CONT ASSY	DWG1367
NSP	└ PWSW ASSY	DWG1368
	INTF ASSY	DWM1341
	SYPS ASSY	DWR1156
NSP	VIDEO ASSY	DWM1340
NSP	└ VIDEO ASSY	DWV1132
NSP	└ JACB ASSY	DWX1349
NSP	MACB ASSY	DWM1344
NSP	└ FG ASSY	DWG1354
NSP	└ PKSB ASSY	DWG1355
NSP	└ CAMB ASSY	DWG1356
NSP	└ LOSB ASSY	DWG1357
NSP	└ LOMB ASSY	DWG1358
	RGBB ASSY	DWM1346
	FTSB ASSY	DWS1191

MAIN ASSY

SEMICONDUCTORS

Q101-Q105	DTC124ES
D102,D103	SEL4914DLC05
D101	SEL6210SLC05

SWITCHES

S101,S102	RSG1030
-----------	---------

CAPACITORS

C103	CEJA470M10
C102	CKCYF103Z50
C101	CKCYF223Z50
C105	CKCYF473Z50
C104	CKPUYF223Z25

RESISTORS

R103,R106,R112,R113	RD1/6PM101J
R102,R105,R110,R111	RD1/6PM103J
R104,R107,R108,R114-R117	RD1/6PM221J
R101,R109	RD1/6PM391J

OTHER

CN101	AMP Connector (14P)	6-176927-4
	Cable Holder (3P)	51048-0300
	Remote sensor	GP1U58X

PLYB ASSY

SEMICONDUCTORS

D201	SEL3410ELC05
------	--------------

SWITCHES

S201	RSG1030
------	---------

STBB ASSY

SEMICONDUCTORS

D301	GL3ED8
------	--------

OTHER

	Cable Holder (3P)	51048-0300
--	-------------------	------------

CLDB ASSY

SEMICONDUCTORS

D401,D402	SEL3410ELC05
-----------	--------------

SWITCHES

S401,S402	RSG1030
-----------	---------

CONT ASSY

SEMICONDUCTORS

IC352	M51131L
IC408-IC411,IC453	NJM4558D
IC201	PD0178C
Q453,Q454	2SC1740S
Q405,Q406	2SD2144S

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
----------	-------------	-----------	----------	-------------	-----------

Q407,Q455	DTA124ES
Q408,Q456	DTC124ES
D405-D410	1SS254
D401-D404	MTZ6.2B/C

COILS, FILTERS

L201	LFA100J
------	---------

CAPACITORS

C204,C205	CCCCH300J50
C485	CEALNP2R2M35
C443	CEANP100M16
C491	CEANP330M16
C411	CEANP4R7M35

C403,C406-C408	CEAS100M50
C201	CEAS101M10
C404	CEAS220M50
C484	CEAS331M16
C401,C410	CEAS470M16

C439-C442,C469	CEJA100M16
C450,C451,C458,C459,	CEJA101M10
C462,C463,C482,C483	
C409	CEJA470M16
C405	CEJA4R7M50

C444-C446	CEJANP100M16
C460,C461	CEJANP220M10
C412	CEJANP4R7M35
C456,C457	CFTXA102J50
C452,C453	CFTXA152J50

C464	CFTXA393J50
C454,C455	CFTXA682J50
C202,C402,C470,C492,C493	CKCYF473Z50
C448,C449	CKPUYB681K50
C203	CKPUYF103Z25

RESISTORS

All resistors	RD1/6PM $\square\square\square J$
---------------	-----------------------------------

OTHER

CN205-CN207	JE Connector plug	17PS-JE
	Cable holder (3P)	51048-0300
	Cable holder (8P)	51048-0800
J204	Flat cable (3P)	D20PY Y0360E
J201	Flat cable (10P)	D20PY Y1025E

J202,J203	Flat cable (14P)	D20PY Y1425E
J211	Flat cord (8P)	DDD1075
J210	Flat cord (10P)	DDD1076
J209,J212	Flat cord (14P)	DDD1077
	Screw terminal	VNE1856

X101	Ceramic resonator (9.00MHz)	VSS1040
------	-----------------------------	---------

PWSW ASSY

SWITCHES

S101	DSG1042
------	---------

INTF ASSY

SEMICONDUCTORS

IC311	CXD2500BQ
IC302	MBM27C512P (ROM)
IC308	DYW1319
IC307	HD74HC00FP
IC312	HD74HC10FP
	HD74HC157FP

IC317	HD74HC4053FP
IC303	HD74HC573FP
IC306	HD74HC74FP
IC313	LC7883KM
IC318	M51131L

IC314,IC315	NJM4558M
IC320	NJM78L05A
IC310	PST529C
IC316	TC74HCU04AF
IC301	UPD78237GC-3B9
	GGC1026

Q305,Q308	2SC2412K
Q302,Q306,Q307	DTA144ES
Q301	DTC114ES
Q310	DTC124EK
D302,D303,D305,D306	DAN202K

D307	ERA83-006
D301	FC54M

COILS, FILTERS

L305	LAU010K
L320	LFA010J
L308-L310	LFA2R2J
F301-F303	DTH1157

CAPACITORS

C510	CCSQCH100D50
C404-C411,C462,C463	CCSQCH101J50
C438	CCSQCH120J50
C439	CCSQCH360J50
C418	CEAL100M16

C453	CCSQCH220J50
C401,C416,C433	CEAL101M6R3
C520	CEAL470M10
C444,C446,C448,C451	CEAL470M6R3
C428	CEALNPR47M50

C436	CEANPR47M50
C466,C467,C501	CEAS100M16
C705-C707,C710,C711	CEAS101M6R3
C473	CEAS220M25
C427,C441	CEAS221M6R3

C560,C709	CEAS331M6R3
C442,C454,C470	CEAS470M10
C492	CEAS471M6R3
C469	CEJA220M16
C468	CEJA470M10

C420	CEJA4R7M50
C701-C704	CGCYX104M25
C434	CKSQYB152K50
C419	CKSQYF102Z50
C431,C440,C445,C452,C455,C464	CKSQYF103Z50