

DSC-F717

SERVICE MANUAL

LEVEL 3

Ver 1.0 2002. 09

Revision History



US Model
Canadian Model
AEP Model
UK Model
E Model
Hong Kong Model
Australian Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

Link

• SCHEMATIC DIAGRAMS

• REPAIR PARTS LIST

• PRINTED WIRING BOARDS

- For ADJUSTMENTS (SECTION 6), refer to SERVICE MANUAL, ADJ (992999451.pdf).
- For INSTRUCTION MANUAL, refer to SERVICE MANUAL, LEVEL 1 (992999441.pdf).
- Reference No. search on printed wiring boards is available.

The information that is not described in this Service Manual is described in the LEVEL 2 Service Manual.

When repairing, use this manual together with LEVEL 2 Service Manual.

Contents of LEVEL 2 Service Manual

1. SERVICE NOTE	
2. DISASSEMBLY	
3. BLOCK DIAGRAMS	OVERALL POWER
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS	CD-408, FR-194, PD-179, BT-015, LB-082, AL-013, UJ-002, AJ-005, SW-379 BOARD, FP-583, FP-584 FLEXIBLE CONTROL SWITCH BLOCK (FZ51050) CONTROL SWITCH BLOCK (PW51050)
5. REPAIR PARTS LIST	EXPLODED VIEWS ELECTRICAL PARTS LIST

DIGITAL STILL CAMERA

SONY®

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4-2. SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR SCHEMATIC DIAGRAMS

(In addition to this, the necessary note is printed in each block)

(For schematic diagrams)

- All capacitors are in μF unless otherwise noted. pF : μF : μF . 50 V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10 W unless otherwise noted. $k\Omega=1000 \Omega$, $M\Omega=1000 k\Omega$.
- Caution when replacing chip parts.
New parts must be attached after removal of chip.
Be careful not to heat the minus side of tantalum capacitor, Because it is damaged by the heat.
- Some chip part will be indicated as follows.

Example	C541	L452
	22U	10UH
	TA A	2520
Kinds of capacitor		
Case size		
External dimensions (mm)		

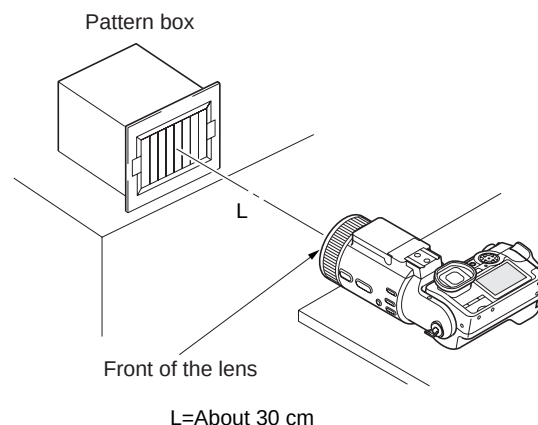
- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.
In such cases, the unused circuits may be indicated.
- Parts with ★ differ according to the model/destination.
Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name
XEDIT → EDIT PB/XREC → PB/REC
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B- Line
- : IN/OUT direction of (+,-) B LINE.
- : adjustment for repair.
- : VIDEO SIGNAL (ANALOG)
- : AUDIO SIGNAL (ANALOG)
- : VIDEO/AUDIO SIGNAL
- : VIDEO/AUDIO/SERVO SIGNAL
- : SERVO SIGNAL
- Circled numbers refer to waveforms.

(Measuring conditions voltage and waveform)

- Voltages and waveforms are measured between the measurement points and ground when camera shoots color bar chart of pattern box. They are reference values and reference waveforms.
(VOM of DC 10 M Ω input impedance is used)
- Voltage values change depending upon input impedance of VOM used.)

Note : The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

1. Connection



2. Adjust the distance so that the output waveform of Fig. a and the Fig. b can be obtain.

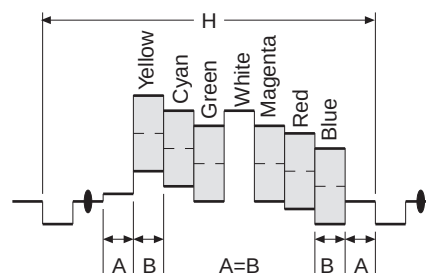


Fig. a (Video output terminal output waveform)

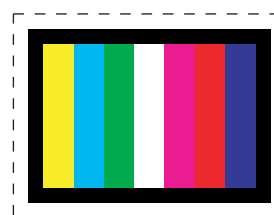


Fig.b (Picture on monitor TV)

When indicating parts by reference number, please include the board name.

Note : Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



4-2. SCHEMATIC DIAGRAMS

Link

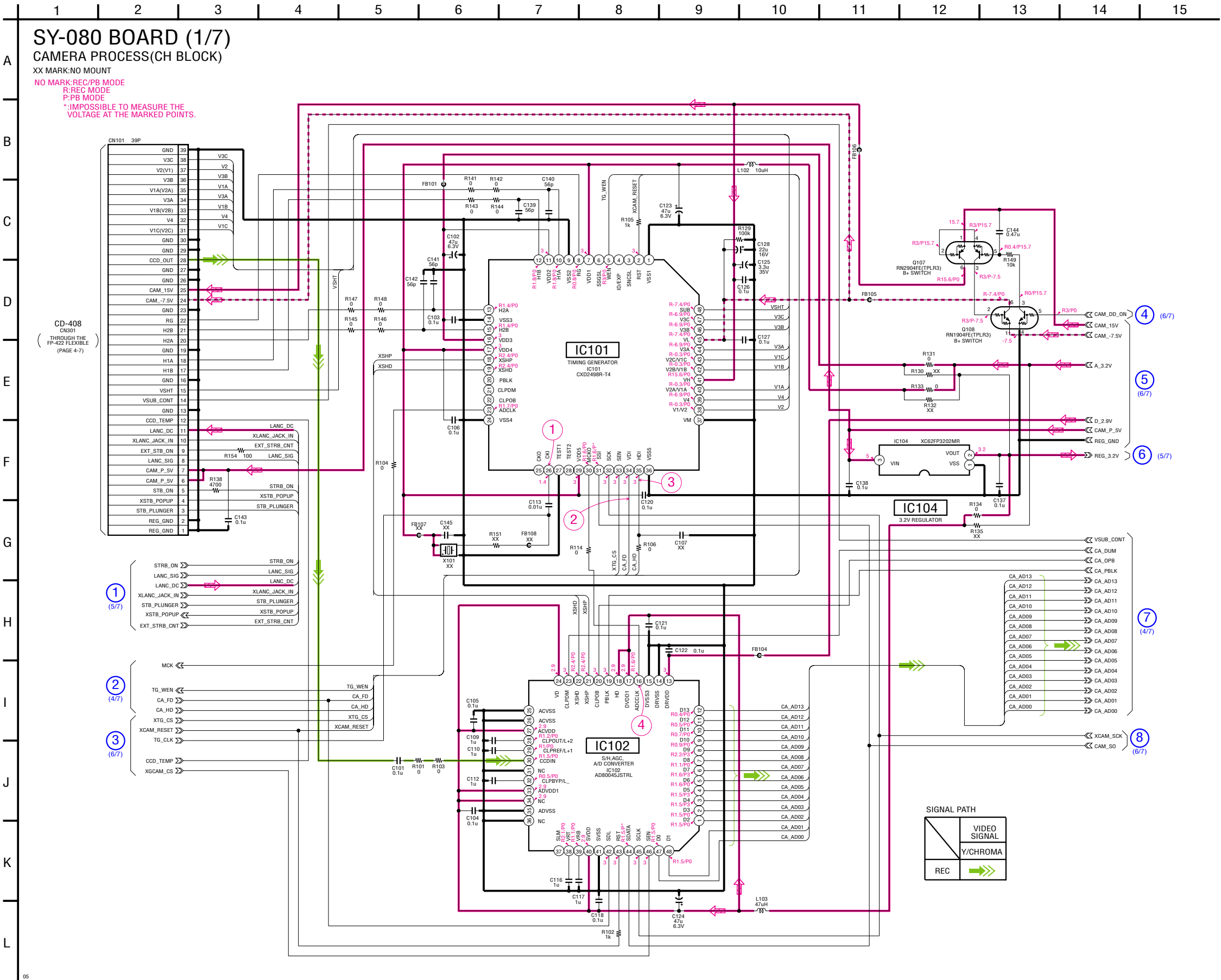
• SY-080 BOARD (1/7) (CAMERA PROCESS)	• SY-080 BOARD (5/7) (MEMORY)
• SY-080 BOARD (2/7) (LENS DRIVE)	• SY-080 BOARD (6/7) (SH DSP)
• SY-080 BOARD (3/7) (LASER/IR LED DRIVE)	• SY-080 BOARD (7/7) (USB INTERFACE)
• SY-080 BOARD (4/7) (CAMERA DSP)	

• COMMON NOTE FOR SCHEMATIC DIAGRAMS	• WAVEFORMS
--	---



For Schematic Diagram

- Refer to page 4-51 for printed wiring board.
- Refer to page 4-74 for waveforms.



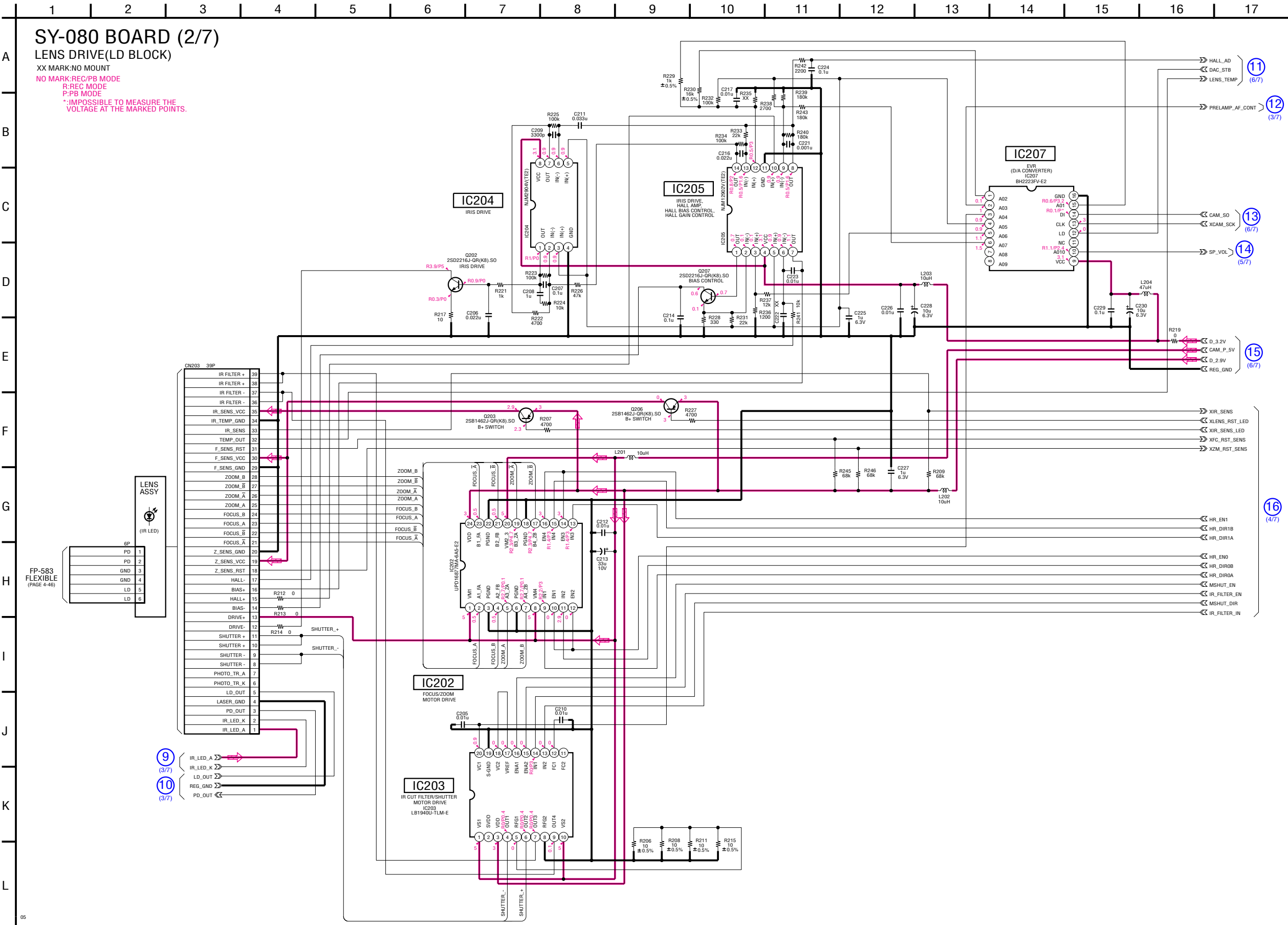


4-2. SCHEMATIC DIAGRAMS

SY-080 BOARD SIDE A

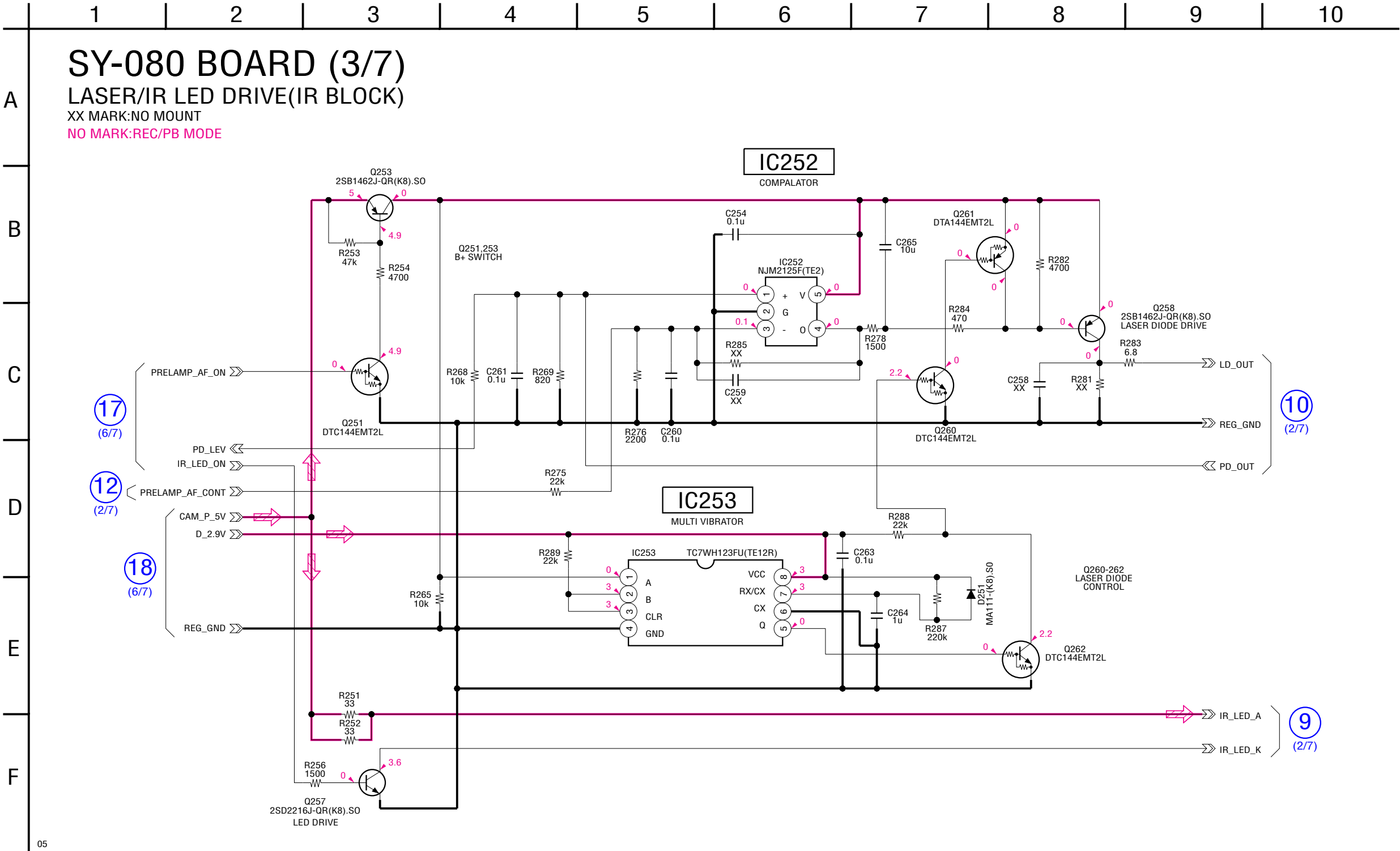
SY-080 BOARD SIDE B

For Schematic Diagram
• Refer to page 4-51 for printed wiring board.



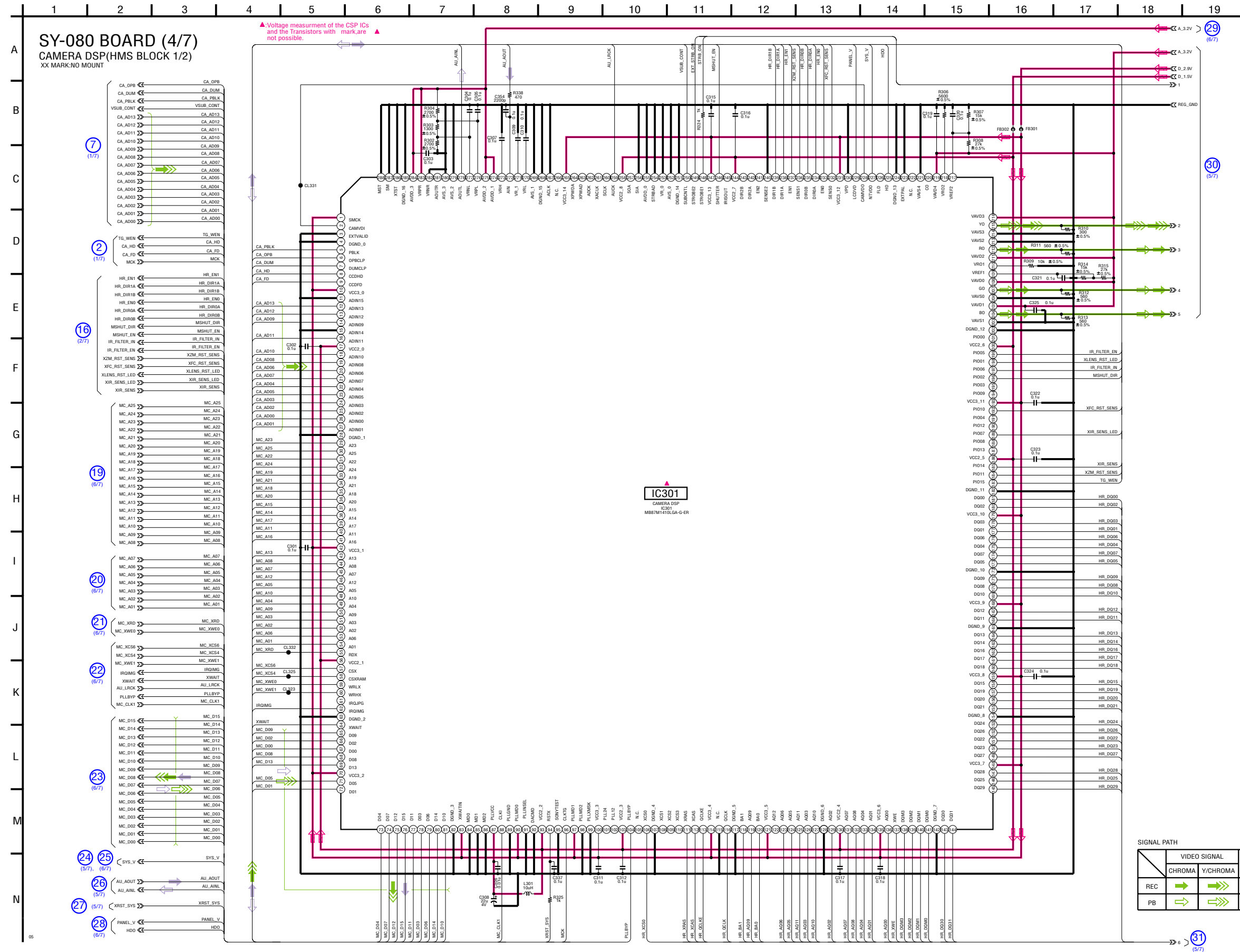


For Schematic Diagram
• Refer to page 4-51 for printed wiring board.



SY-080 BOARD SIDE B

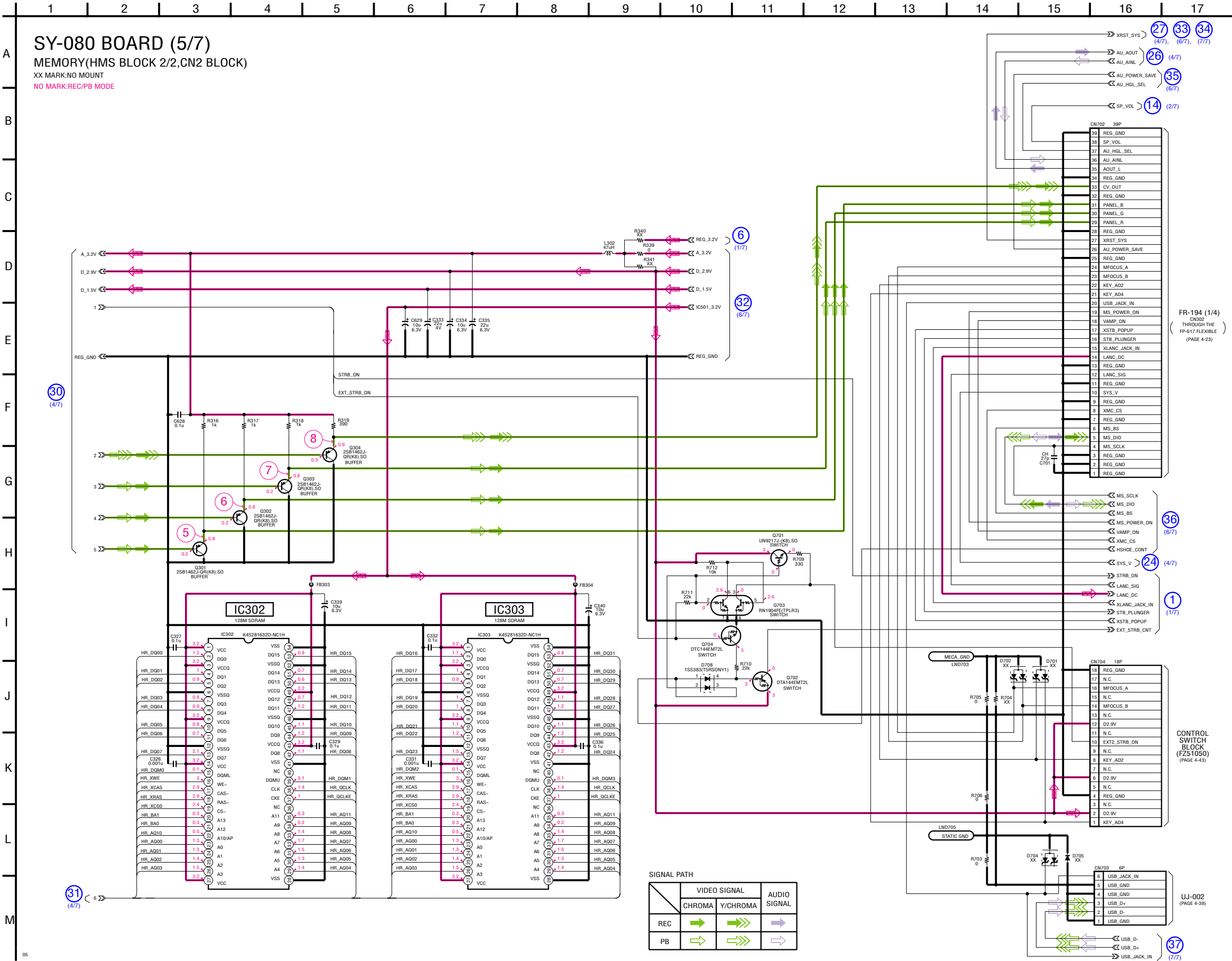
- Refer to page 4-51 for printed wiring board.



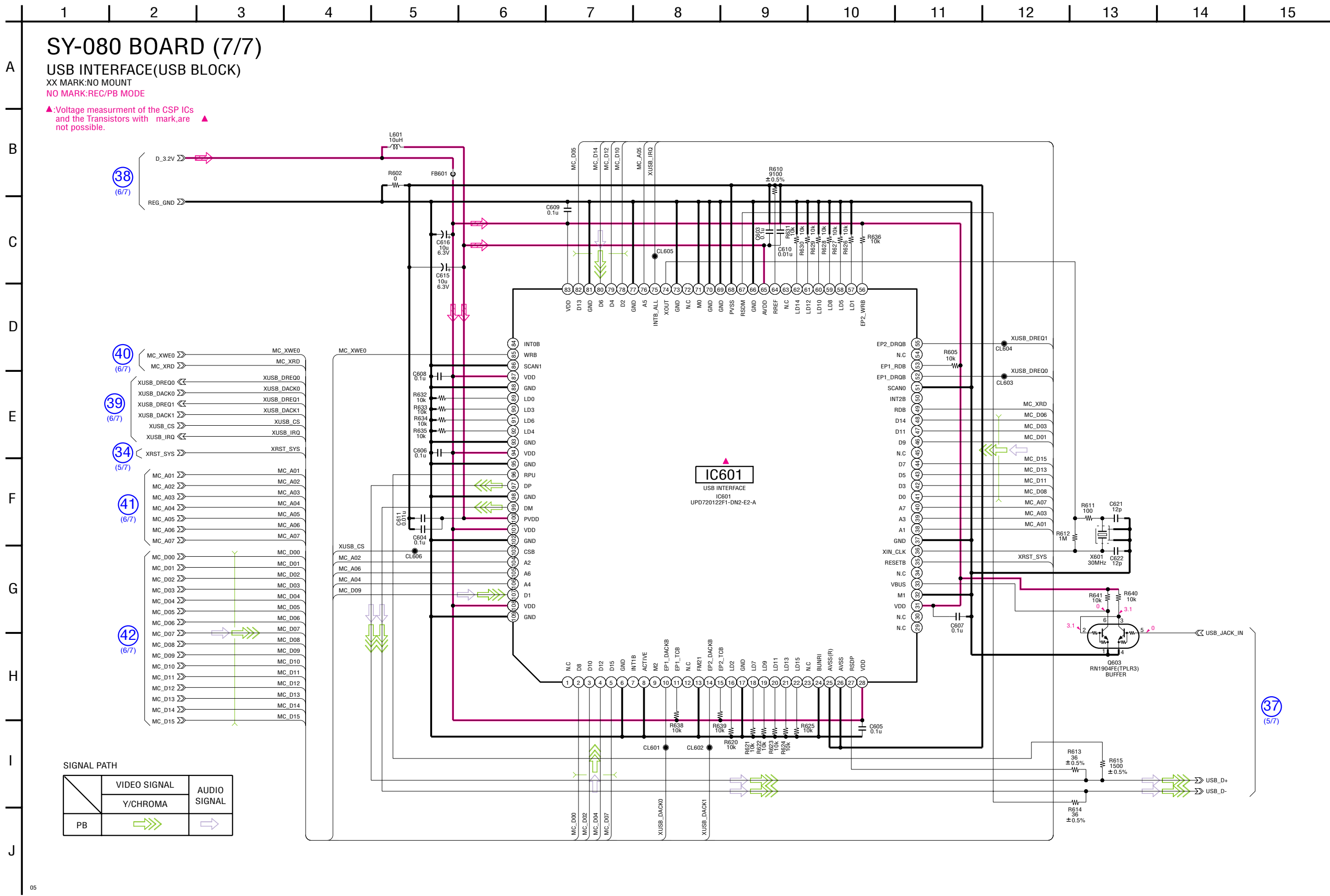


For Schematic Diagram

- Refer to page 4-51 for printed wiring board.
- Refer to page 4-74 for waveforms.



- Refer to page 4-51 for printed wiring board.





4-3. PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

THIS NOTE IS COMMON FOR WIRING BOARDS

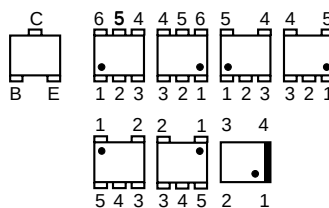
(In addition to this, the necessary note is printed in each block)

(For printed wiring boards)

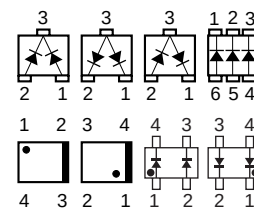
- : Uses unleaded solder.
 - : Circuit board
 - : Flexible board
- Pattern from the side which enables seeing.
(The other layers' patterns are not indicated)
- Through hole is omitted.
 - Circled numbers refer to waveforms.
 - There are a few cases that the part printed on diagram isn't mounted in this model.
 - : panel designation

• Chip parts.

Transistor



Diode





4-3. PRINTED WIRING BOARDS

Link

• SY-080 BOARD (SIDE A)

• SY-080 BOARD (SIDE B)

• COMMON NOTE FOR PRINTED WIRING BOARDS

• WAVEFORMS

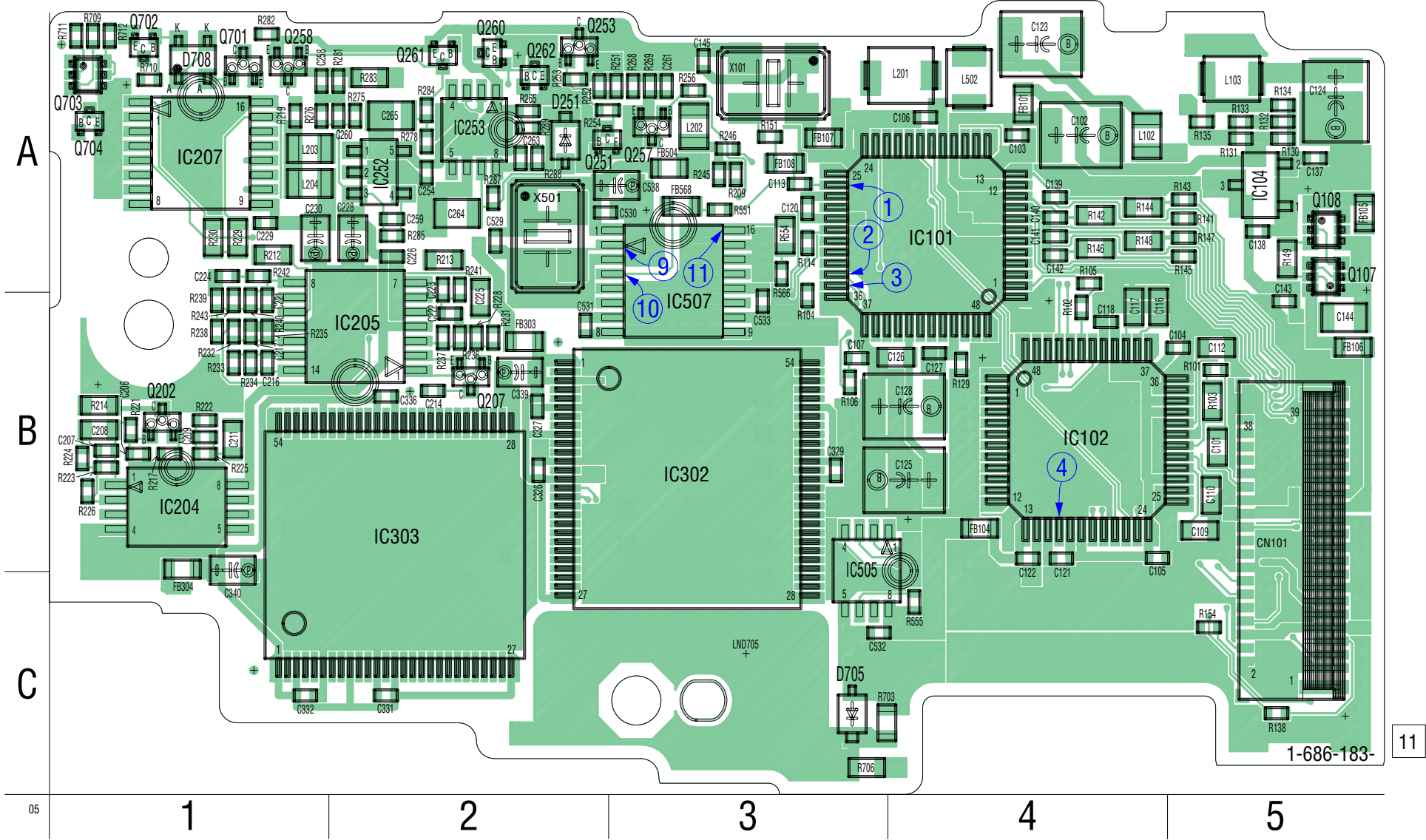
• MOUNTED PARTS LOCATION



SY-080 (CAMERA PROCESS, LENS DRIVE, LASER/IR LED DRIVE, CAMERA DSP, MEMORY, SH DSP, CLOCK GENERATOR, FLASH MEMORY)

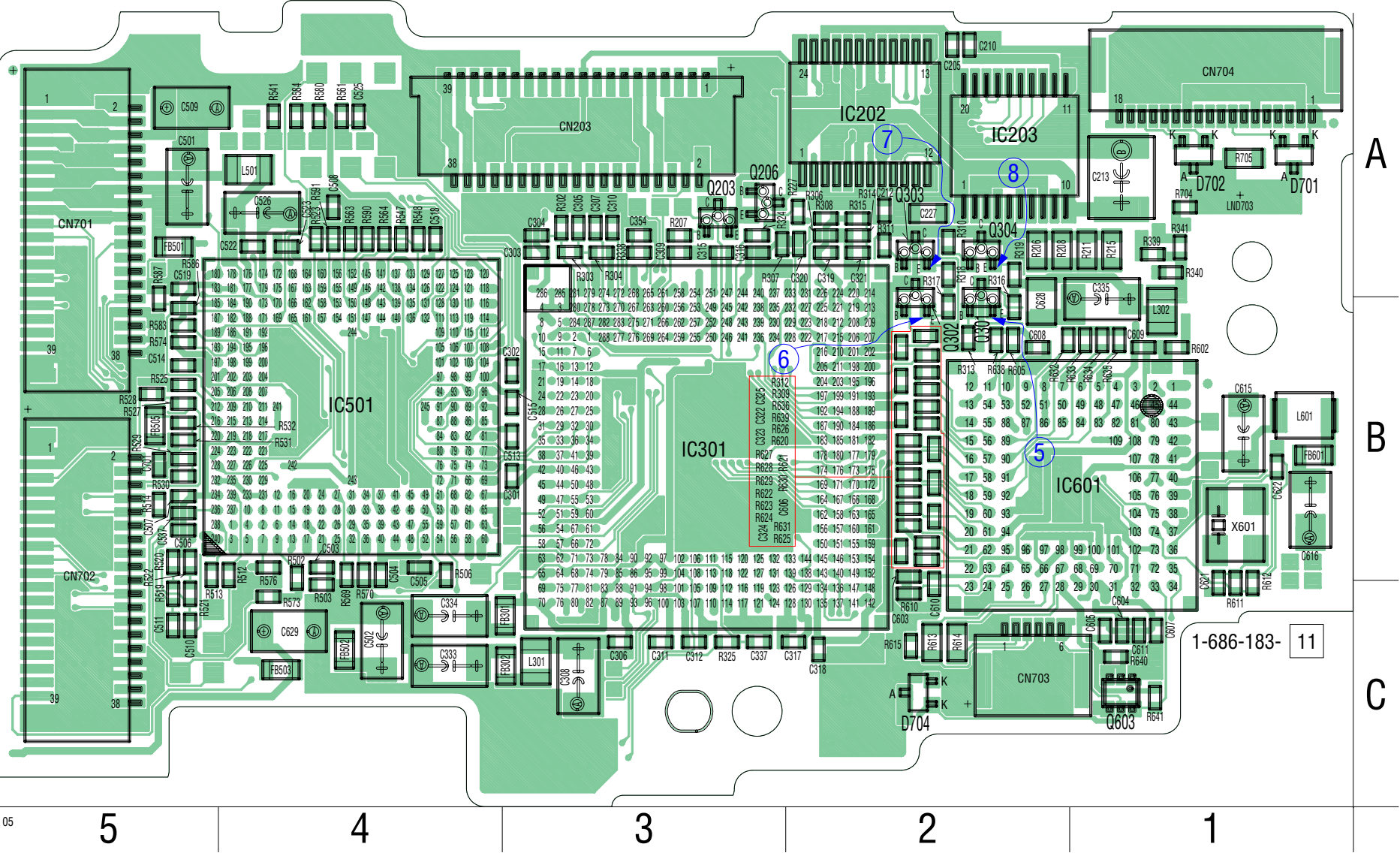
- For Printed Wiring Board.
- :Uses unleaded solder.
 - SY-080 board is 8-layer print board. However, the pattern of layers 2 to 7 have not been included in the diagram.
 - There are a few cases that the part isn't mounted in this model is printed on this diagram.
 - See page 4-80 for printed parts location.

SY-080 BOARD (SIDE A)





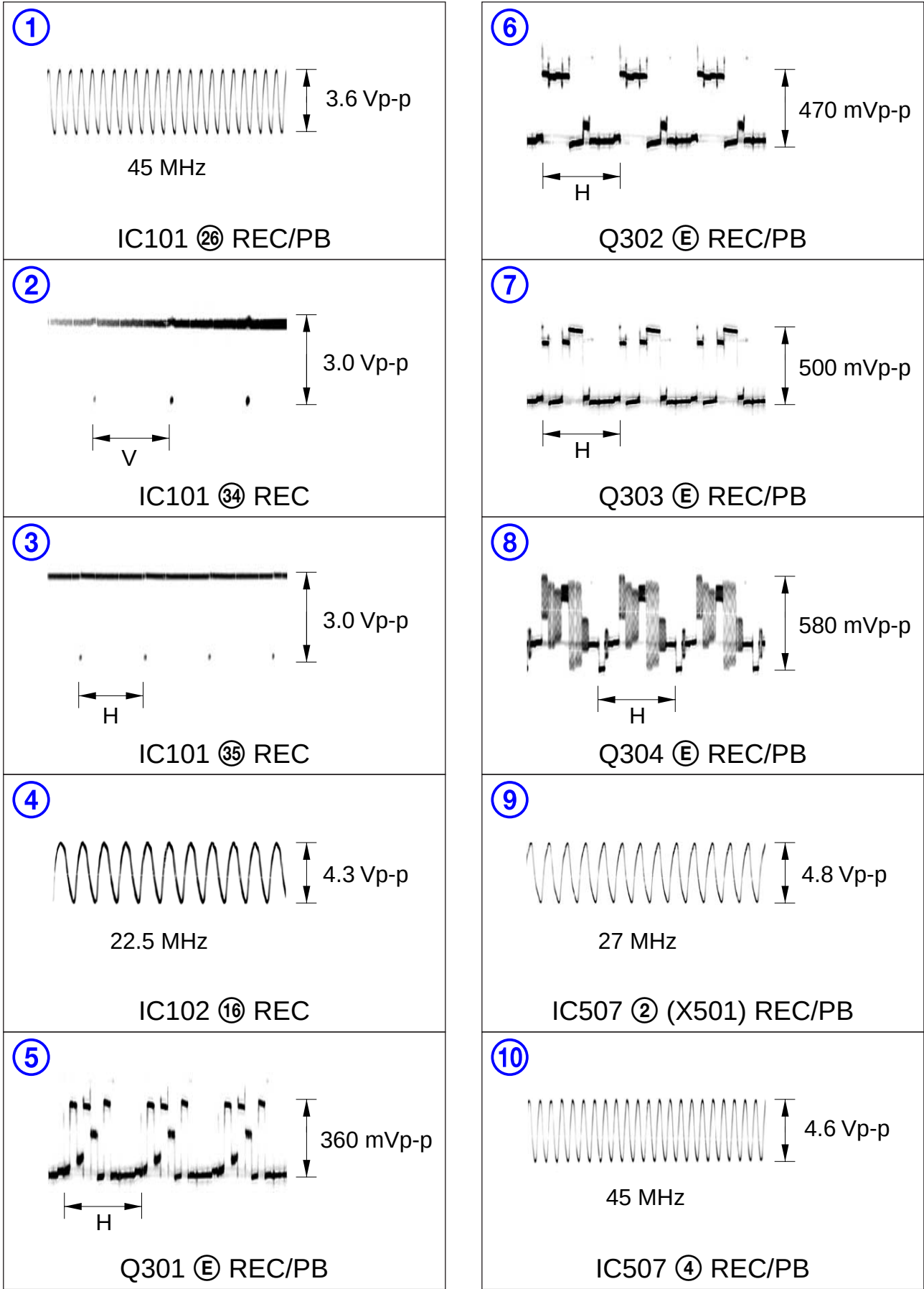
SY-080 BOARD (SIDE B)





4-4. WAVEFORMS

SY-080 BOARD



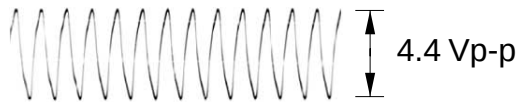


SY-080 BOARD SIDE A

SY-080 BOARD SIDE B

SY-080 BOARD

⑪



27 MHz

IC507 ⑩ REC/PB



4-3. PRINTED WIRING BOARDS

4-5. MOUNTED PARTS LOCATION

no mark : side A
* mark : side B

SY-080 BOARD

C101	B-5	C331	C-2	IC104	A-5	R219	A-1	R555	C-4
C102	A-4	C332	C-1	* IC202	A-2	R221	B-1	* R561	A-4
C103	A-4	* C333	C-4	* IC203	A-2	R222	B-1	* R563	A-4
C104	B-5	* C334	C-4	IC204	B-1	R223	B-1	R566	A-3
C105	B-4	* C335	A-1	IC205	B-2	R224	B-1	* R569	B-4
C106	A-4	C336	B-2	IC207	A-1	R225	B-1	* R570	B-4
C109	B-5	* C337	C-3	IC252	A-2	R226	B-1	* R573	C-4
C110	B-5	C339	B-2	IC253	A-2	* R227	A-2	* R574	B-5
C112	B-5	C340	C-1	* IC301	B-3	R228	B-2	* R576	B-4
C113	A-3	* C354	A-3	IC302	B-3	R229	A-1	* R580	A-4
C116	B-4	* C501	A-5	IC303	B-2	R230	A-1	* R583	B-5
C117	B-4	* C502	C-4	* IC501	B-4	R231	B-2	* R584	A-4
C118	B-4	* C503	B-4	IC505	B-3	R232	B-1	* R586	B-5
C120	A-3	* C504	B-4	IC507	A-3	R233	B-1	* R587	A-5
C121	B-4	* C505	B-4	* IC601	B-1	R234	B-1	* R591	A-4
C122	B-4	* C506	B-5			R236	B-2	* R602	B-1
C123	A-4	* C507	B-5	L102	A-4	R237	B-2	* R605	B-2
C124	A-5	* C508	A-4	L103	A-5	R238	B-1	* R610	C-2
C125	B-4	* C509	A-5	L201	A-4	R239	B-1	* R611	C-1
C126	B-4	* C510	C-5	L202	A-3	R240	B-1	* R612	C-1
C127	B-4	* C511	C-5	L203	A-1	R241	A-2	* R613	C-2
C128	B-4	* C513	B-3	L204	A-1	R242	A-1	* R614	C-2
C137	A-5	* C514	B-5	* L301	C-3	R243	B-1	* R615	C-2
C138	A-5	* C515	B-3	* L302	B-1	R245	A-3	* R620	B-2
C139	A-4	* C518	A-4	* L501	A-4	R246	A-3	* R621	B-2
C140	A-4	* C519	A-5	L502	A-4	R251	A-3	* R622	B-2
C141	A-4	* C522	A-4	* L601	B-1	R252	A-2	* R623	B-2
C142	A-4	* C523	A-4			R253	A-2	* R624	B-2
C143	B-5	* C525	A-4	Q107	A-5	R254	A-2	* R625	B-2
C144	B-5	* C526	A-4	Q108	A-5	R256	A-3	* R626	B-2
C145	A-3	C529	A-2	Q202	B-1	R265	A-2	* R627	B-2
* C205	A-2	C530	A-3	* Q203	A-3	R268	A-3	* R628	B-2
C206	B-1	C531	B-2	* Q206	A-3	R269	A-3	* R629	B-2
C207	B-1	C532	C-3	Q207	B-2	R275	A-2	* R630	B-2
C208	B-1	C533	B-3	Q251	A-2	R276	A-1	* R631	B-2
C209	B-1	* C537	B-5	Q253	A-2	R278	A-2	* R632	B-2
* C210	A-2	C538	A-3	Q257	A-3	R282	A-1	* R633	B-1
C211	B-1	* C603	B-2	Q258	A-1	R283	A-2	* R634	B-1
* C212	A-2	* C604	C-1	Q260	A-2	R284	A-2	* R635	B-1
* C213	A-1	* C605	C-1	Q261	A-2	R287	A-2	* R636	B-2
C214	B-2	* C606	B-2	Q262	A-2	R288	A-2	* R638	B-2
C216	B-1	* C607	C-1	* Q301	B-2	R289	A-2	* R639	B-2
C217	B-1	* C608	B-2	* Q302	B-2	* R302	A-3	* R640	C-1
C221	B-1	* C609	B-1	* Q303	A-2	* R303	A-3	* R641	C-1
C223	A-2	* C610	C-2	* Q304	A-2	* R304	A-3	R703	C-3
C224	A-1	* C611	C-1	* Q603	C-1	* R306	A-2	* R705	A-1
C225	B-2	* C615	B-1	Q701	A-1	* R307	A-3	R706	C-3
C226	A-2	* C616	B-1	Q702	A-1	* R308	A-2	R709	A-1
* C227	A-2	* C621	C-1	Q703	A-1	* R309	B-2	R710	A-1
C228	A-2	* C622	B-1	Q704	A-1	* R310	A-2	R711	A-1
C229	A-1	* C628	B-2			* R311	A-2	R712	A-1
C230	A-1	* C629	C-4	R101	B-5	* R312	B-2		
C254	A-2	* C701	B-5	R102	B-4	* R313	B-2	X501	A-2
C260	A-2			R103	B-5	* R314	A-2	* X601	B-1
C261	A-3	CN101	B-5	R104	B-3	* R315	A-2		
C263	A-2	* CN203	A-3	R105	A-4	* R316	B-2		
C264	A-2	* CN701	A-5	R106	B-3	* R317	B-2		
C265	A-2	* CN702	B-5	R114	A-3	* R318	A-2		
* C301	B-3	* CN703	C-2	R129	B-4	* R319	A-2		
* C302	B-3	* CN704	A-1	R131	A-5	* R324	A-3		
* C303	A-3			R133	A-5	* R325	C-3		
* C304	A-3	D251	A-2	R134	A-5	* R338	A-3		
* C305	A-3	D708	A-1	R138	C-5	* R339	A-1		
* C306	C-3			R141	A-5	* R502	B-4		
* C307	A-3	FB101	A-4	R142	A-4	* R503	C-4		
* C308	C-3	FB104	B-4	R143	A-5	* R506	B-4		
* C309	A-3	FB105	A-5	R144	A-4	* R514	B-5		
* C310	A-3	FB106	B-5	R145	A-5	* R519	C-5		
* C311	C-3	FB107	A-3	R146	A-4	* R520	B-5		
* C312	C-3	FB108	A-3	R147	A-5	* R521	C-5		
* C315	A-3	* FB301	C-3	R148	A-4	* R522	B-5		
* C316	A-3	* FB302	C-3	R149	A-5	* R523	A-4		
* C317	C-2	FB303	B-2	R151	A-3	* R525	B-5		
* C318	C-2	FB304	C-1	R154	C-5	* R527	B-5		
* C319	A-2	* FB501	A-5	* R206	A-2	* R528	B-5		
* C320	A-2	* FB502	C-4	* R207	A-3	* R529	B-5		
* C321	A-2	* FB503	C-4	* R208	A-2	* R530	B-5		
* C322	B-2	FB504	A-3	R209	A-3	* R531	B-5		
* C323	B-2	* FB505	B-5	* R211	A-1	* R532	B-5		
* C324	B-2	FB568	A-3	R212	A-1	* R541	A-4		
* C325	B-2	* FB601	B-1	R213	A-2	* R547	A-4		
C326	B-2			R214	B-1	* R548	A-4		
C327	B-2	IC101	A-4	* R215	A-1	R551	A-3		
C329	B-3	IC102	B-4	R217	B-1	R554	A-3		



SECTION 5 REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description					Ref. No.	Part No.	Description				
	A-7078-530-A	SY-080 BOARD, COMPLETE (SERVICE)					C260	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
		*****					C261	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
							C263	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
		< CAPACITOR >					C264	1-127-573-11	CERAMIC CHIP	1uF	10%	16V	
C101	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C265	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V	
C102	1-110-569-11	TANTAL. CHIP	47uF	20%	6.3V		C301	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C302	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C104	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C303	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C105	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C304	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C106	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C305	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C109	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C306	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	
C110	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C307	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C112	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C308	1-104-847-11	TANTAL. CHIP	22uF	20%	4V	
C113	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C309	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C116	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C310	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C117	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C311	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C312	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C315	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C316	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C317	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C123	1-110-569-11	TANTAL. CHIP	47uF	20%	6.3V		C318	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C124	1-110-569-11	TANTAL. CHIP	47uF	20%	6.3V		C319	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C125	1-113-992-11	TANTAL. CHIP	3.3uF	20%	35V		C320	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C321	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C322	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C128	1-119-751-11	TANTAL. CHIP	22uF	20%	16V		C323	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C137	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C324	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C138	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C325	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C139	1-164-868-11	CERAMIC CHIP	56PF	5%	50V		C326	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C140	1-164-868-11	CERAMIC CHIP	56PF	5%	50V		C327	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C141	1-164-868-11	CERAMIC CHIP	56PF	5%	50V		C329	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C142	1-164-868-11	CERAMIC CHIP	56PF	5%	50V		C331	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C143	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C332	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C144	1-164-005-11	CERAMIC CHIP	0.47uF		25V		C333	1-104-847-11	TANTAL. CHIP	22uF	20%	4V	
C205	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C334	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	
C206	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V		C335	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V	
C207	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C336	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C208	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C337	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C209	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V		C339	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	
C210	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C340	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	
C211	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V		C354	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	
C212	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C501	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	
C213	1-113-682-11	TANTAL. CHIP	33uF	20%	10V		C502	1-104-847-11	TANTAL. CHIP	22uF	20%	4V	
C214	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C503	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C216	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V		C504	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C217	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C505	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C221	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V		C506	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C223	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C507	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C224	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C508	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C225	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C509	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	
C226	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C510	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C227	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V		C511	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C228	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V		C513	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C229	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C514	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C230	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V		C515	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C254	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C518	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	

Ref. No.	Part No.	Description			
C519	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C522	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C523	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C525	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C526	1-119-749-11	TANTAL. CHIP	33uF	20%	4V
C529	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C530	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C531	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C532	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C533	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C537	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C538	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C603	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C604	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C605	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C606	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C607	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C608	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C609	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C610	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C611	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C615	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C616	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C621	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C622	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C628	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C629	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C701	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
< CONNECTOR >					
CN101	1-816-057-11	CONNECTOR, FPC (ZIF) 39P			
CN203	1-816-058-11	CONNECTOR, FPC (ZIF) 39P			
CN701	1-784-423-21	CONNECTOR, FPC (ZIF) 39P			
CN702	1-784-423-21	CONNECTOR, FPC (ZIF) 39P			
CN703	1-816-654-11	FFC/FPC CONNECTOR (LIF) 6P			
CN704	1-794-769-21	CONNECTOR, FFC/FPC (LIF) 18P			
< DIODE >					
D251	8-719-073-01	DIODE MA111-(K8).SO			
D708	8-719-081-19	DIODE 1SS383(T5RSONY1)			
< FERRITE BEAD >					
FB101	1-414-921-11	FERRITE	0uH		
FB104	1-414-921-11	FERRITE	0uH		
FB105	1-414-921-11	FERRITE	0uH		
FB106	1-414-921-11	FERRITE	0uH		
FB301	1-414-921-11	FERRITE	0uH		
FB302	1-414-921-11	FERRITE	0uH		
FB303	1-414-921-11	FERRITE	0uH		
FB304	1-414-921-11	FERRITE	0uH		
FB501	1-414-921-11	FERRITE	0uH		
FB502	1-414-921-11	FERRITE	0uH		
FB503	1-414-921-11	FERRITE	0uH		
FB504	1-414-921-11	FERRITE	0uH		
FB505	1-500-283-11	FERRITE	0uH		
FB568	1-500-284-21	FERRITE	0uH		
FB601	1-414-921-11	FERRITE	0uH		

Ref. No.	Part No.	Description	
< IC >			
IC101	8-752-413-30	IC CXD2498R-T4	
IC102	6-701-208-01	IC AD80045JSTRL	
IC104	6-701-757-01	IC XC62FP3202MR	
IC202	8-759-637-96	IC uPD16877MA-6A5-E2	
IC203	6-700-193-01	IC LB1940U-TLM-E	
IC204	8-759-337-40	IC NJM2904V(Te2)	
IC205	8-759-681-42	IC NJM12902V(Te2)	
IC207	6-702-155-01	IC BH2223FV-E2	
IC252	8-759-581-11	IC NJM2125F(Te2)	
IC253	8-759-586-19	IC TC7WH123FU(Te12R)	
IC301	6-702-265-01	IC MB87M1410LGA-G-ER	
IC302	8-759-835-20	IC K4S281632C-NC1H	
IC303	8-759-835-20	IC K4S281632C-NC1H	
IC501	(Note)	IC HJ93D1504LPZ	
IC505	6-702-923-01	IC AK6417CH-E2	
IC507	6-702-997-01	IC CY27024ZCT	
IC601	6-702-628-01	IC uPD720122F1-DN2-E2-A	
< COIL >			
L102	1-469-757-21	INDUCTOR	10uH
L103	1-469-527-91	INDUCTOR	47uH
L201	1-414-398-11	INDUCTOR	10uH
L202	1-469-757-21	INDUCTOR	10uH
L203	1-469-757-21	INDUCTOR	10uH
L204	1-469-846-11	INDUCTOR	47uH
L301	1-469-757-21	INDUCTOR	10uH
L302	1-469-846-11	INDUCTOR	47uH
L501	1-469-847-11	INDUCTOR	100uH
L502	1-412-951-11	INDUCTOR	10uH
L601	1-412-951-11	INDUCTOR	10uH
< TRANSISTOR >			
Q107	8-729-053-61	TRANSISTOR	RN2904FE(TPLR3)
Q108	8-729-053-58	TRANSISTOR	RN1904FE(TPLR3)
Q202	8-729-037-52	TRANSISTOR	2SD2216J-QR(TX).SO
Q203	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q206	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q207	8-729-037-52	TRANSISTOR	2SD2216J-QR(TX).SO
Q251	6-550-119-01	TRANSISTOR	DTC144EMT2L
Q253	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q257	8-729-037-52	TRANSISTOR	2SD2216J-QR(TX).SO
Q258	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q260	6-550-119-01	TRANSISTOR	DTC144EMT2L
Q261	6-550-239-01	TRANSISTOR	DTA144EMT2L
Q262	6-550-119-01	TRANSISTOR	DTC144EMT2L
Q301	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q302	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q303	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q304	8-729-042-26	TRANSISTOR	2SB1462J-QR(K8).SO
Q603	8-729-053-58	TRANSISTOR	RN1904FE(TPLR3)
Q701	8-729-037-78	TRANSISTOR	UN9217J-(K8).SO
Q702	6-550-239-01	TRANSISTOR	DTA144EMT2L
Q703	8-729-053-58	TRANSISTOR	RN1904FE(TPLR3)
Q704	6-550-119-01	TRANSISTOR	DTC144EMT2L

(Note) Part number is not fixed yet.
It will be notified by Supplement of Service Manual when it is fixed.

SY-080

Ref. No.	Part No.	Description	< RESISTOR >			
R101	1-218-990-11	SHORT CHIP	0			
R102	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R103	1-216-864-11	METAL CHIP	0	5%	1/16W	
R104	1-218-990-11	SHORT CHIP	0			
R105	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R106	1-218-990-11	SHORT CHIP	0			
R114	1-218-990-11	SHORT CHIP	0			
R129	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R131	1-218-990-11	SHORT CHIP	0			
R133	1-218-990-11	SHORT CHIP	0			
R134	1-218-990-11	SHORT CHIP	0			
R138	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	
R141	1-218-990-11	SHORT CHIP	0			
R142	1-216-864-11	METAL CHIP	0	5%	1/16W	
R143	1-218-990-11	SHORT CHIP	0			
R144	1-216-864-11	METAL CHIP	0	5%	1/16W	
R145	1-218-990-11	SHORT CHIP	0			
R146	1-216-864-11	METAL CHIP	0	5%	1/16W	
R147	1-218-990-11	SHORT CHIP	0			
R148	1-216-864-11	METAL CHIP	0	5%	1/16W	
R149	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R154	1-218-941-81	RES-CHIP	100	5%	1/16W	
R206	1-211-969-11	METAL CHIP	10	0.5%	1/10W	
R207	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	
R208	1-211-969-11	METAL CHIP	10	0.5%	1/10W	
R209	1-218-975-11	RES-CHIP	68K	5%	1/16W	
R211	1-211-969-11	METAL CHIP	10	0.5%	1/10W	
R212	1-216-864-11	METAL CHIP	0	5%	1/16W	
R213	1-216-864-11	METAL CHIP	0	5%	1/16W	
R214	1-216-864-11	METAL CHIP	0	5%	1/16W	
R215	1-211-969-11	METAL CHIP	10	0.5%	1/10W	
R217	1-208-635-11	RES-CHIP	10	5%	1/16W	
R219	1-218-990-11	SHORT CHIP	0			
R221	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R222	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	
R223	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R224	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R225	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R226	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R227	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	
R228	1-218-947-11	RES-CHIP	330	5%	1/16W	
R229	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R230	1-218-876-11	METAL CHIP	16K	0.5%	1/10W	
R231	1-218-969-11	RES-CHIP	22K	5%	1/16W	
R232	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R233	1-218-969-11	RES-CHIP	22K	5%	1/16W	
R234	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R236	1-218-954-11	RES-CHIP	1.2K	5%	1/16W	
R237	1-218-966-11	RES-CHIP	12K	5%	1/16W	
R238	1-218-958-11	RES-CHIP	2.7K	5%	1/16W	
R239	1-218-980-11	RES-CHIP	180K	5%	1/16W	
R240	1-218-980-11	RES-CHIP	180K	5%	1/16W	
R241	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R242	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	
R243	1-218-980-11	RES-CHIP	180K	5%	1/16W	
R245	1-218-975-11	RES-CHIP	68K	5%	1/16W	
R246	1-218-975-11	RES-CHIP	68K	5%	1/16W	
R251	1-218-935-11	RES-CHIP	33	5%	1/16W	
R252	1-218-935-11	RES-CHIP	33	5%	1/16W	

Ref. No.	Part No.	Description			
R253	1-218-973-11	RES-CHIP	47K	5%	1/16W
R254	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R256	1-218-955-11	RES-CHIP	1.5K	5%	1/16W
R265	1-218-965-11	RES-CHIP	10K	5%	1/16W
R268	1-218-965-11	RES-CHIP	10K	5%	1/16W
R269	1-218-952-11	RES-CHIP	820	5%	1/16W
R275	1-218-969-11	RES-CHIP	22K	5%	1/16W
R276	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R278	1-218-955-11	RES-CHIP	1.5K	5%	1/16W
R282	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R283	1-216-795-11	METAL CHIP	6.8	5%	1/10W
R284	1-218-949-11	RES-CHIP	470	5%	1/16W
R287	1-218-981-11	RES-CHIP	220K	5%	1/16W
R288	1-218-969-11	RES-CHIP	22K	5%	1/16W
R289	1-218-969-11	RES-CHIP	22K	5%	1/16W
R302	1-218-958-11	METAL CHIP	2.7K	0.5%	1/16W
R303	1-208-890-11	METAL CHIP	1.3K	0.5%	1/16W
R304	1-218-958-11	METAL CHIP	2.7K	0.5%	1/16W
R306	1-208-701-11	METAL CHIP	5.6K	0.5%	1/16W
R307	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R308	1-218-970-11	METAL CHIP	27K	0.5%	1/16W
R309	1-208-707-11	METAL CHIP	10K	0.5%	1/16W
R310	1-208-874-81	METAL CHIP	300	0.5%	1/16W
R311	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R312	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R313	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R314	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R315	1-218-970-11	METAL CHIP	27K	0.5%	1/16W
R316	1-218-953-11	RES-CHIP	1K	5%	1/16W
R317	1-218-953-11	RES-CHIP	1K	5%	1/16W
R318	1-218-953-11	RES-CHIP	1K	5%	1/16W
R319	1-218-948-11	RES-CHIP	390	5%	1/16W
R324	1-218-953-11	RES-CHIP	1K	5%	1/16W
R325	1-218-953-11	RES-CHIP	1K	5%	1/16W
R338	1-218-949-11	RES-CHIP	470	5%	1/16W
R339	1-218-990-11	SHORT CHIP	0		
R502	1-218-973-11	RES-CHIP	47K	5%	1/16W
R503	1-218-973-11	RES-CHIP	47K	5%	1/16W
R506	1-218-973-11	RES-CHIP	47K	5%	1/16W
R514	1-218-953-11	RES-CHIP	1K	5%	1/16W
R519	1-218-953-11	RES-CHIP	1K	5%	1/16W
R520	1-218-973-11	RES-CHIP	47K	5%	1/16W
R521	1-218-953-11	RES-CHIP	1K	5%	1/16W
R522	1-218-973-11	RES-CHIP	47K	5%	1/16W
R523	1-218-985-11	RES-CHIP	470K	5%	1/16W
R525	1-218-973-11	RES-CHIP	47K	5%	1/16W
R527	1-218-973-11	RES-CHIP	47K	5%	1/16W
R528	1-208-643-11	RES-CHIP	22	5%	1/16W
R529	1-218-973-11	RES-CHIP	47K	5%	1/16W
R530	1-208-643-11	RES-CHIP	22	5%	1/16W
R531	1-218-973-11	RES-CHIP	47K	5%	1/16W
R532	1-208-643-11	RES-CHIP	22	5%	1/16W
R541	1-218-990-11	SHORT CHIP	0		
R547	1-218-973-11	RES-CHIP	47K	5%	1/16W
R548	1-218-973-11	RES-CHIP	47K	5%	1/16W
R551	1-218-941-81	RES-CHIP	100	5%	1/16W
R554	1-216-864-11	METAL CHIP	0	5%	1/16W
R555	1-218-977-11	RES-CHIP	100K	5%	1/16W
R561	1-218-953-11	RES-CHIP	1K	5%	1/16W
R563	1-218-990-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			
R566	1-208-643-11	RES-CHIP	22	5%	1/16W
R569	1-218-973-11	RES-CHIP	47K	5%	1/16W
R570	1-218-973-11	RES-CHIP	47K	5%	1/16W
R573	1-218-973-11	RES-CHIP	47K	5%	1/16W
R574	1-218-977-11	RES-CHIP	100K	5%	1/16W
R576	1-218-973-11	RES-CHIP	47K	5%	1/16W
R580	1-218-973-11	RES-CHIP	47K	5%	1/16W
R583	1-218-977-11	RES-CHIP	100K	5%	1/16W
R584	1-218-973-11	RES-CHIP	47K	5%	1/16W
R586	1-218-990-11	SHORT CHIP	0		
R587	1-218-973-11	RES-CHIP	47K	5%	1/16W
R591	1-218-990-11	SHORT CHIP	0		
R602	1-218-990-11	SHORT CHIP	0		
R605	1-218-965-11	RES-CHIP	10K	5%	1/16W
R610	1-208-910-11	METAL CHIP	9.1K	0.5%	1/16W
R611	1-218-941-81	RES-CHIP	100	5%	1/16W
R612	1-218-989-11	RES-CHIP	1M	5%	1/16W
R613	1-211-982-11	METAL CHIP	36	0.5%	1/10W
R614	1-211-982-11	METAL CHIP	36	0.5%	1/10W
R615	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R620	1-218-965-11	RES-CHIP	10K	5%	1/16W
R621	1-218-965-11	RES-CHIP	10K	5%	1/16W
R622	1-218-965-11	RES-CHIP	10K	5%	1/16W
R623	1-218-965-11	RES-CHIP	10K	5%	1/16W
R624	1-218-965-11	RES-CHIP	10K	5%	1/16W
R625	1-218-965-11	RES-CHIP	10K	5%	1/16W
R626	1-218-965-11	RES-CHIP	10K	5%	1/16W
R627	1-218-965-11	RES-CHIP	10K	5%	1/16W
R628	1-218-965-11	RES-CHIP	10K	5%	1/16W
R629	1-218-965-11	RES-CHIP	10K	5%	1/16W
R630	1-218-965-11	RES-CHIP	10K	5%	1/16W
R631	1-218-965-11	RES-CHIP	10K	5%	1/16W
R632	1-218-965-11	RES-CHIP	10K	5%	1/16W
R633	1-218-965-11	RES-CHIP	10K	5%	1/16W
R634	1-218-965-11	RES-CHIP	10K	5%	1/16W
R635	1-218-965-11	RES-CHIP	10K	5%	1/16W
R636	1-218-965-11	RES-CHIP	10K	5%	1/16W
R638	1-218-965-11	RES-CHIP	10K	5%	1/16W
R639	1-218-965-11	RES-CHIP	10K	5%	1/16W
R640	1-218-965-11	RES-CHIP	10K	5%	1/16W
R641	1-218-965-11	RES-CHIP	10K	5%	1/16W
R703	1-216-864-11	METAL CHIP	0	5%	1/16W
R705	1-216-864-11	METAL CHIP	0	5%	1/16W
R706	1-216-864-11	METAL CHIP	0	5%	1/16W
R709	1-218-947-11	RES-CHIP	330	5%	1/16W
R710	1-218-969-11	RES-CHIP	22K	5%	1/16W
R711	1-218-969-11	RES-CHIP	22K	5%	1/16W
R712	1-218-965-11	RES-CHIP	10K	5%	1/16W
< VIBRATOR >					
X501	1-795-172-11	OSCILLATOR, CRYSTAL (27MHz)			
X601	1-795-664-11	VIBRATOR, CRYSTAL (30MHz)			

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2002.09	Official Release	—	—