

DIAGRAMS

This diagram illustrates the exploded view of a window frame assembly. It shows three main components: a window pane (A), a frame section (D), and a hinge or latch mechanism (H). The components are shown in their relative positions, indicating how they fit together.

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- All voltages are in V.
- Readings are taken with a 10 M Ω digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- * : Can not be measured.
- Circled numbers are waveform references.
-  : B + bus.
-  : B - bus.

Note:

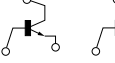
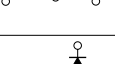
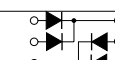
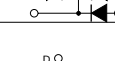
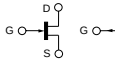
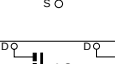
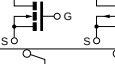
- All capacitors are in μF unless otherwise noted. (pF: $\mu\mu\text{F}$)

Pitch: 5 mm Rating electrical power 1/4 W (CHIP : 1/10 W)
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- All resistors are in ohms.
 -  : nonflammable resistor.
 -  : fusible resistor.
 - Δ : internal component.
 -  : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- $\perp$: earth-ground.
 - $\overline{\text{H}}$: earth-chassis.
- The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
- Should replacement be required, replace only with the value originally used.
- When replacing components identified by  , make the necessary adjustments indicated. (See page 3-1)
 - When replacing the part in below table, be sure to perform the related adjustment.

	Part replaced ()
HV ADJ	RV901
	Part replaced ()
HV Regulator Circuit	D board IC901, R903, R922, T901, RV901 • Mounted D board
HV HOLD DOWN Circuit	D board D913, D916, C923, R920, R927, R935, R936, T901 • Mounted D board
Beam Current Protector Circuit	D board IC901, D902, D918, R053, R918, R923, R928, R932, R933, R934, R939, T901 • Mounted D board

Terminal name of semiconductors in silk screen printed circuit (※)

	Device	Printed symbol	Terminal name	Circuit
①	Transistor		Collector Base Emitter	
②	Transistor		Collector Base Emitter	
③	Diode		Cathode  Anode	
④	Diode		Cathode Anode (NC)	
⑤	Diode		Cathode Anode (NC)	
⑥	Diode		Common Anode Cathode	
⑦	Diode		Common Anode Cathode	
⑧	Diode		Common Anode Anode	
⑨	Diode		Common Anode Anode	
⑩	Diode		Common Cathode Cathode	
⑪	Diode		Common Cathode Cathode	
⑫	Diode		Anode Cathode Anode Cathode Anode	
⑬	Transistor (FET)		Drain Source Gate	
⑭	Transistor (FET)		Drain Source Gate	
⑮	Transistor (FET)		Source Drain Gate	
⑯	Transistor (FET)		Source Drain Gate	
⑰	Transistor		Emitter Collector Base	
—	Discrete semiconductor			

(Chip semiconductors that are not actually used are included.)

(1) Schematic Diagram of D (1/2) Board

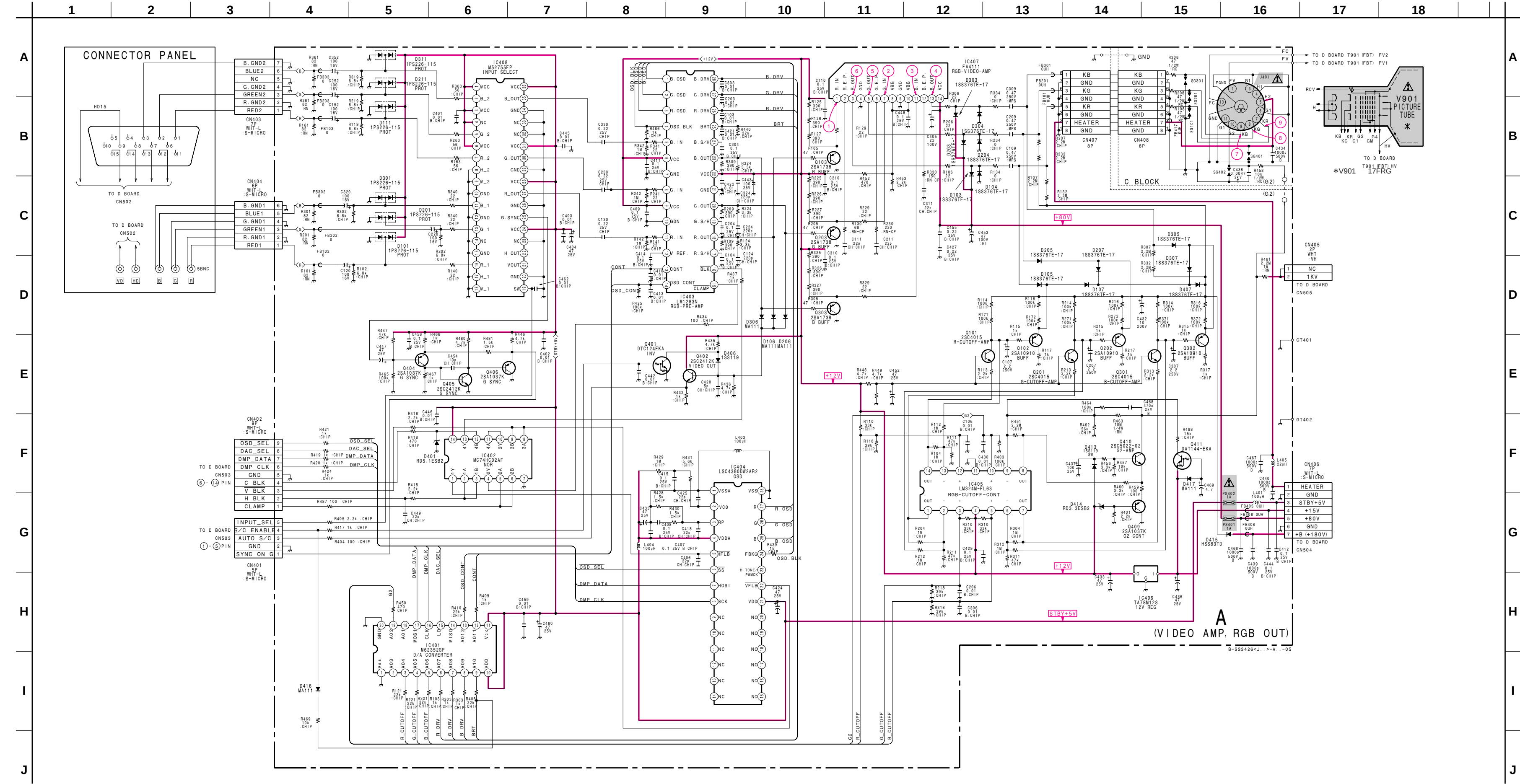
• D BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]			
IC002	5	0.5	IC702	1	0.8	Q518	G	0			
	6	3.5		2	0	D	31.2				
	7	0		4	1.3	Q519	B	-0.9			
IC004	5	4.9		6	1.3		4	76.5			
	6	4.9	7	1.3	Q520		G	4.8			
	7	0	8	1.6		D	0				
IC005	1	0.4	IC901	1		9.0	Q521	B	4.3		
	3	0		2	5.3	E	3.8				
	7	1.5		4	0	Q522	G	4.9			
IC009	8	4.9		6	1.1		D	0			
	1	-0.5	7	1.1	Q523		G	4.8			
	2	0	8	9.0		D	0				
	3	0	12	0		Q524	G	4.8			
	4	4.4	15	0.2	D		0				
5	4.4	16	7.8	Q525	G		4.8				
6	0.5	19	8.9		E	5.4					
14	4.9				Q526	B	0				
IC010	1	3.8	IC1501	1	2.8	Q527	B	0			
	3	*		2	2.8		C	3.1			
	4	2.6		4	-1.3		Q528	B	42.4		
	5	2.8	IC1502	1	0.1	E		43.0			
	6	5.0		2	0.1	Q529		B	44.3		
	7	0.3		3	3.5		C	74.3			
	8	4.9		4	3.5		E	43.7			
	9	4.9	7	1.8	Q530	B	43.0				
	10	4.4	8	0.6		E	43.3				
	12	4.4	9	0.6		Q531	B	43.7			
	13	1.2	IC1504	2	0.4		C	74.3			
	14	4.3		3	14.0		E	43.4			
	15	4.3		4	1.3	Q532	B	0			
	16	5.0		5	1.3		C	4.9			
	17	2.0	7	-13.3	Q533		B	5.2			
18	-0.2	PH601	1	14.7		C	0				
19	5.2		2	13.6		Q534	B	5.1			
20	8.6		3	0	C		0				
21	1.2		4	3.8	Q601		B	0			
22	2.3	PH602	1	1.0		C	14.7				
23	2.3		2	0		Q602	B	2.7			
24	3.6		3	0	C		16.4				
25	0		4	2.6	E		16.8				
26	3.8	Q001	B	0	Q603	B	0				
27	4		C	3.7		C	2.5				
28	4.5		Q002	B		4.9	Q604	B	2.5		
IC013	1	0		E	4.2	C		0.1			
	2	5.0		Q003	B	0		Q605	G	10.8	
	3	4.0	E		0.2	D	96.0				
	4	0	Q004		B	4.9	Q606		B	1.1	
	8	0.3			E	4.2	C	16.8			
9	3.8	Q005		B	4.9	Q607	B	0.8			
10	4.9		E	3.2	C		0.1				
11	0		Q006	B	2.6		E	0			
IC501	1	4.3		E	3.2	Q608	B	6.2			
	2	0		Q007	B		4.9	C	0		
	3	0	C		0.1		E	6.2			
	5	0	Q008		B	7.2	Q609	B	0		
	6	0			C	0		C	6.2		
7	-9.8	Q009		B	2.3	Q610		B	5.7		
IC502	1		76.1	E	2.8		C	0.5			
	2		76.2	Q010	B		2.3	E	0.5		
	3	75.6	E		2.3	Q611	B	5.0			
IC601	2	5.2	Q011		B		2.3	E	4.3		
	3	6.6			E		2.3	Q612	B	5.0	
	4	5.0		Q012	B	8.4	C		8.8		
	5	8.2			E	8.2	Q613		B	0.1	
	IC602	D	412.0		Q013	B		8.4	Q614	B	0.3
C		6.0	E	8.2		C		8.8			
IC603		1	147.5	Q014		B	7.5	Q615		B	9.3
		2	3.9			E	7.0		Q616	B	9.3
		3	4.5		Q015	B	-14.3			Q617	B
		4	2.2			E	-14.3	Q618			B
		5	3.8	Q016		B	179.8		Q619		B
6		0	D		180.1	C	14.0				
7		0	E		180.1	Q620	G	177.3			
8		0	Q017		B		5.2	D	60.2		
9	10.9	C		42.4	Q621		G	7.6			
IC604	1	179.8		E		4.6	D	60.5			
	2	2.5		Q018		B	4.9	Q622	B	7.6	
	3	12.6	E		70.9	Q623	B		7.6		
	IC606	1	2.7		Q019		B		4.9	Q624	B
		2	2.6				E	4.4	Q625		B
3		1.4	Q020	B		4.9	Q626	B			7.6
4		0.2		Q021		B		4.9		Q627	B
5		2.5			Q022	B		4.9	Q628		B
6	10.9	E	4.4			Q629	B	7.6			
IC701	1	-0.3	Q023	B			4.9	Q630		B	7.6
	2	-0.5		E			4.4		Q631	B	7.6
	3	1.3		Q024	B	4.9	Q632			B	7.6
	4	1.3			Q025	B		4.9		Q633	B
	5	1.3	Q026			B		4.9	Q634		B
	6	1.3		E		4.4	Q635	B			7.6
	7	1.3		Q027	B	4.9		Q636		B	7.6
	8	-1.3			Q028	B			4.9	Q637	B
	9	-1.3	E			4.4	Q638		B		7.6

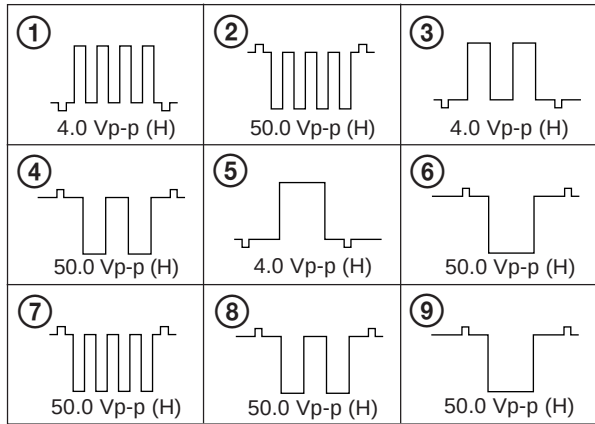
Schematic diagram

(1/2) board

(3) Schematic Diagram of A Board



• A BOARD WAVEFORMS

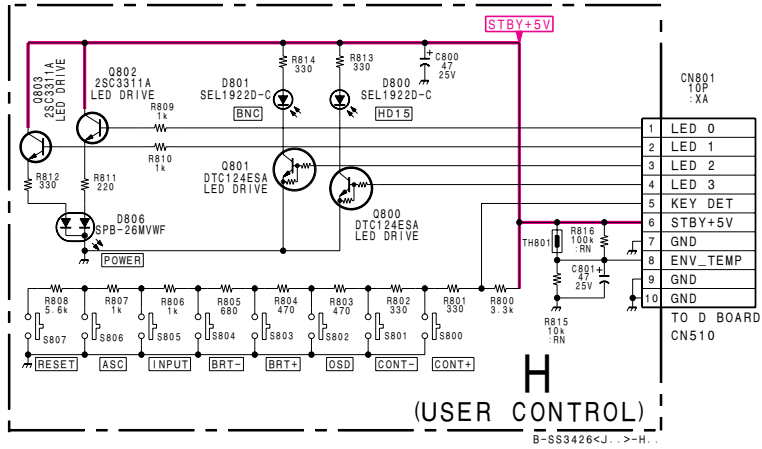


• A BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC403	1	1.6	C	91.7	5.2
	2	1.6	E		
	3	1.6			
	4	0	Q202	B	91.7
	5	2.2	C	0.6	
	8	2.2	E	92.3	
	11	2.2			
	12	2	Q203	B	1.9
IC407	13	1.7	E	2.6	
	14	1.5			
	15	4.8	Q301	B	5.8
	16	4	C	92.1	
	17	6.7	E	5.2	
	18	2.2			
	19	6.8	Q302	B	92.1
	20	2.1	C	0.6	
Q101	23	2.1	E	92.7	
	24	6.8			
	25	1.5	Q303	B	1.9
	26	3.4	E	2.6	
	27	3.5			
	28	3.4	Q401	B	0
			C	6.1	
Q103					
Q102					
Q201					



[USER CONTROL]



• H BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]
Q800	B	5.1
	C	0.1
Q801	B	0
	C	4.0
Q802	B	5.1
	E	4.4
Q803	B	0
	E	0.4