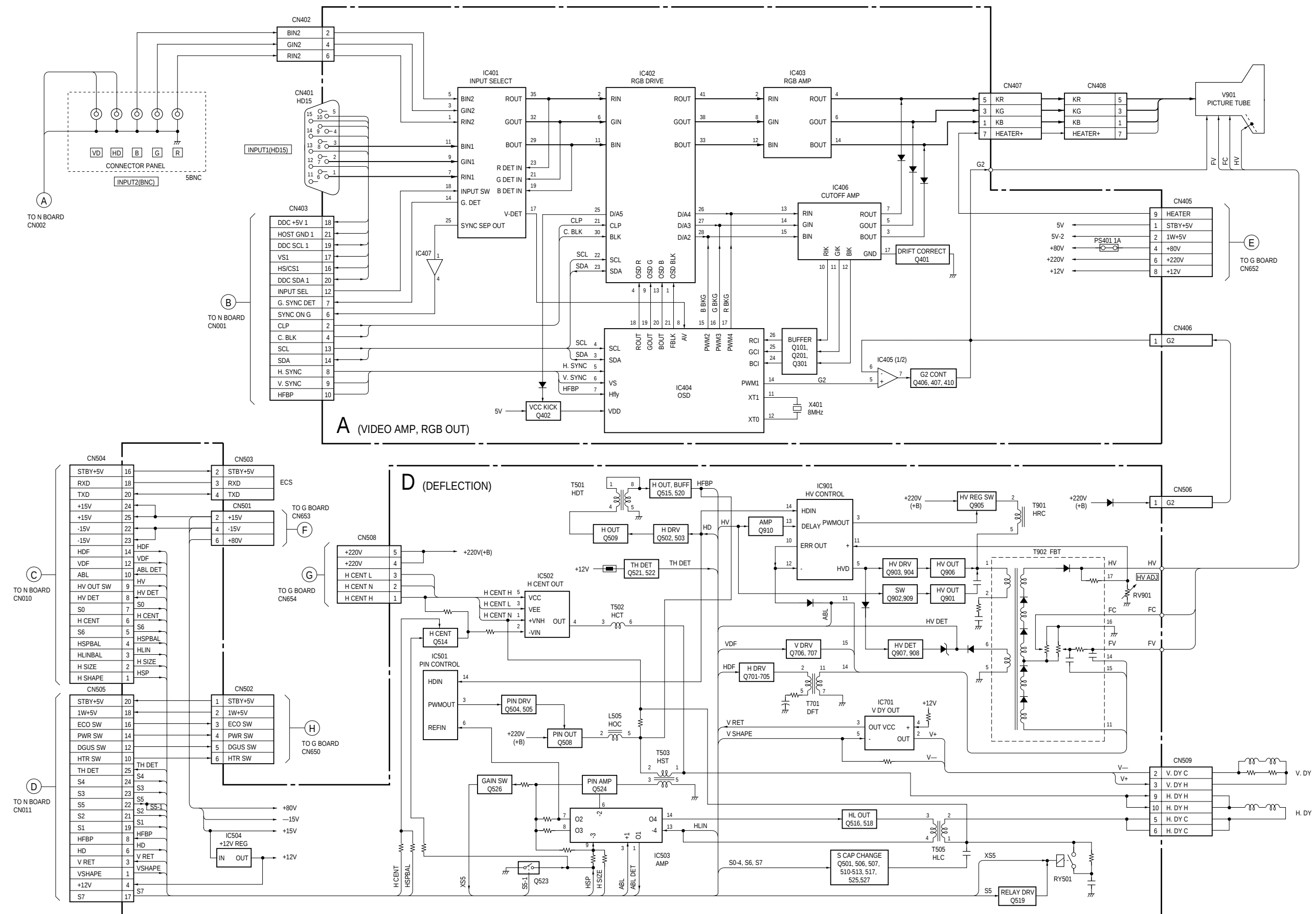
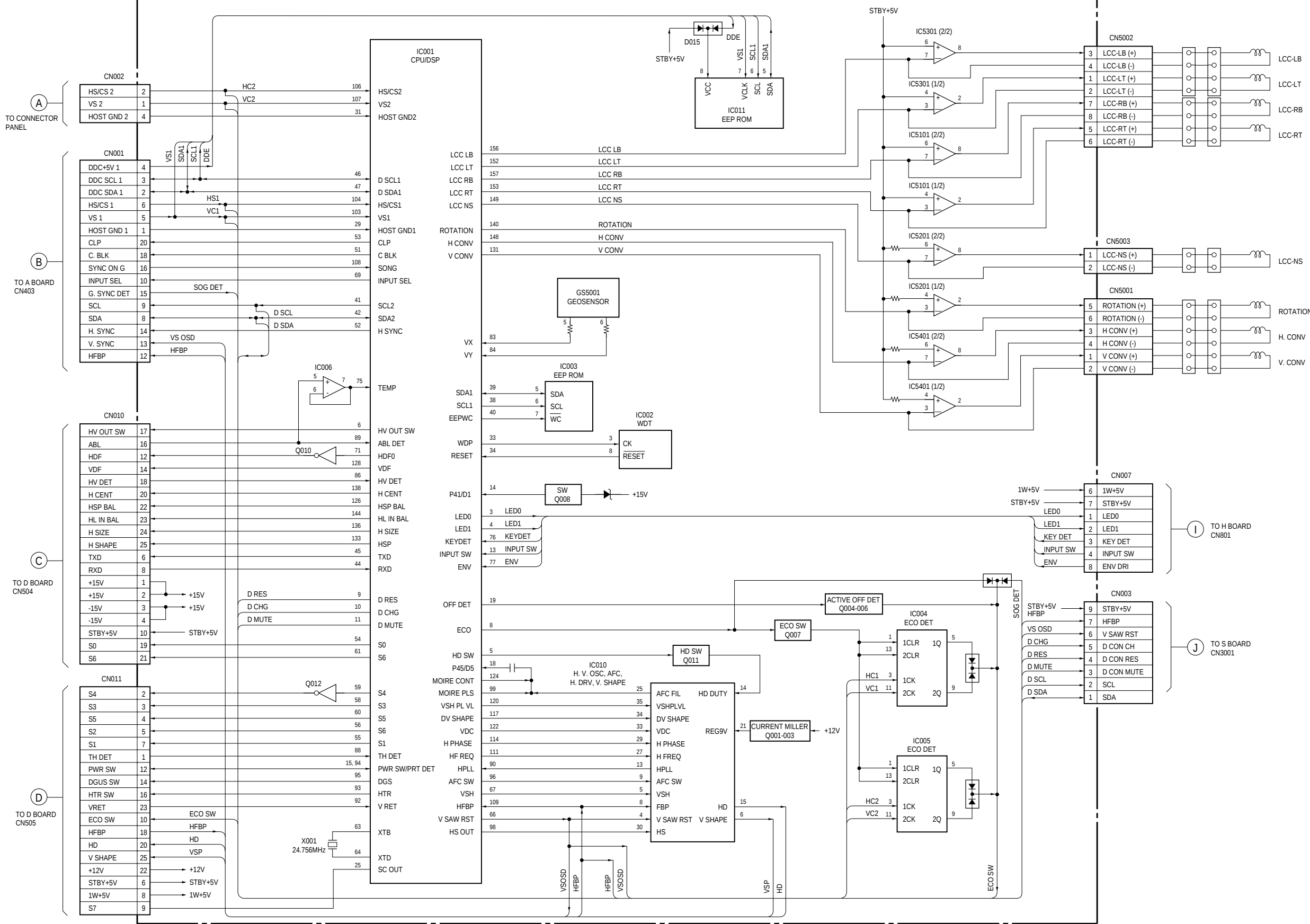
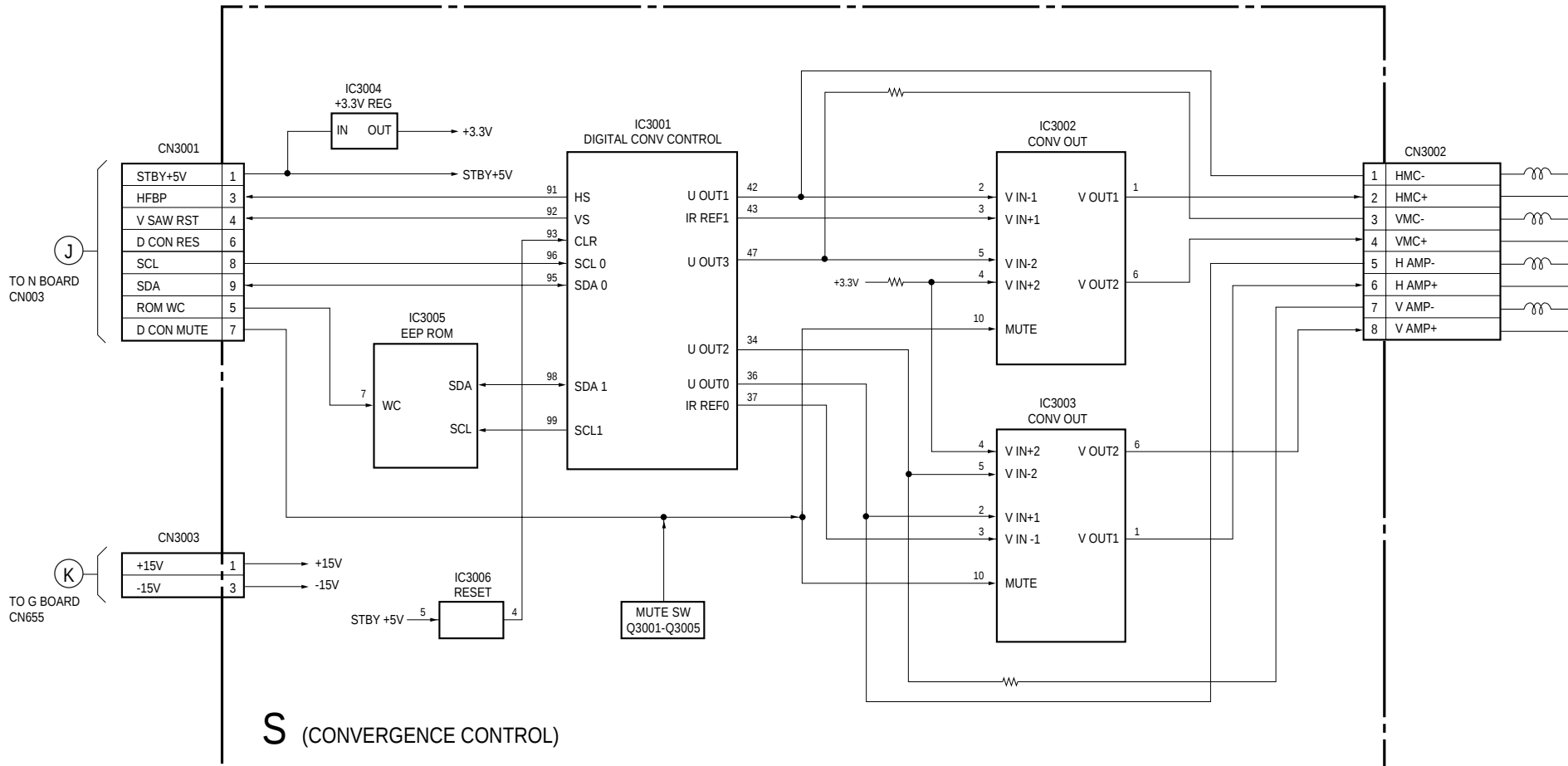
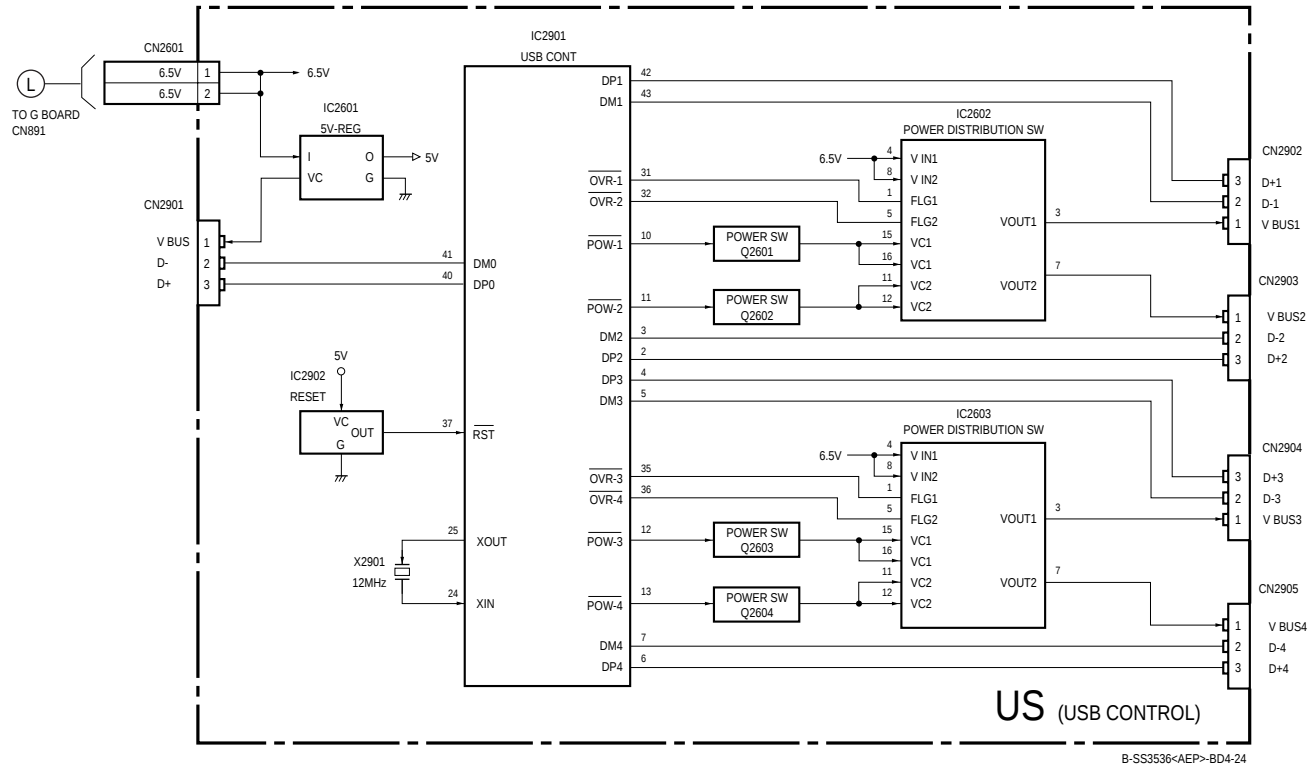
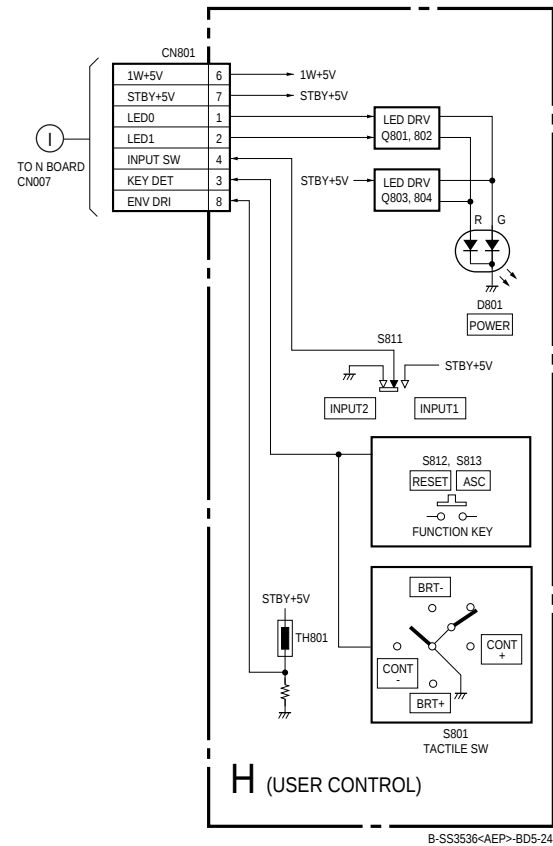


BLOCK DIAGRAMS

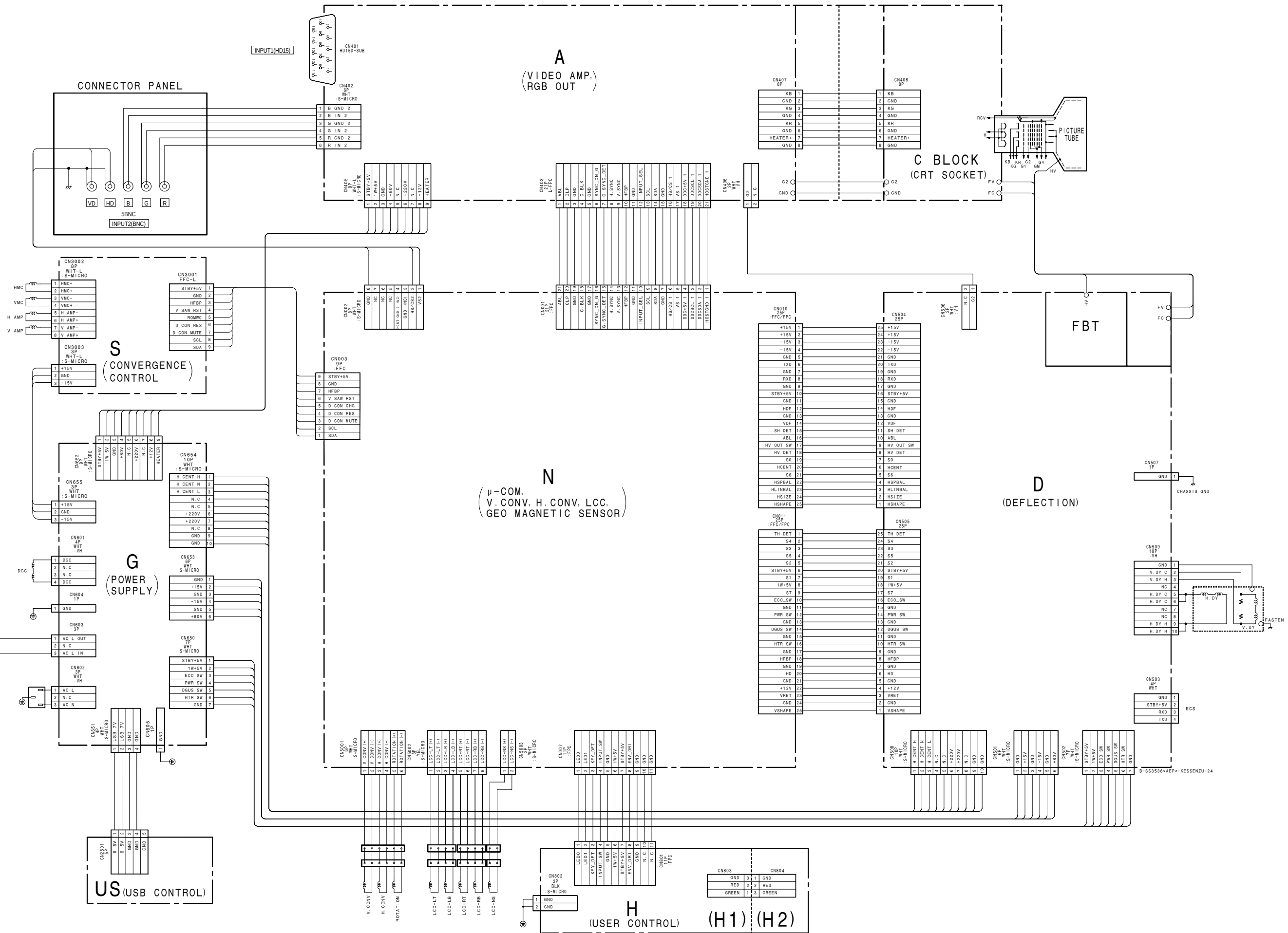




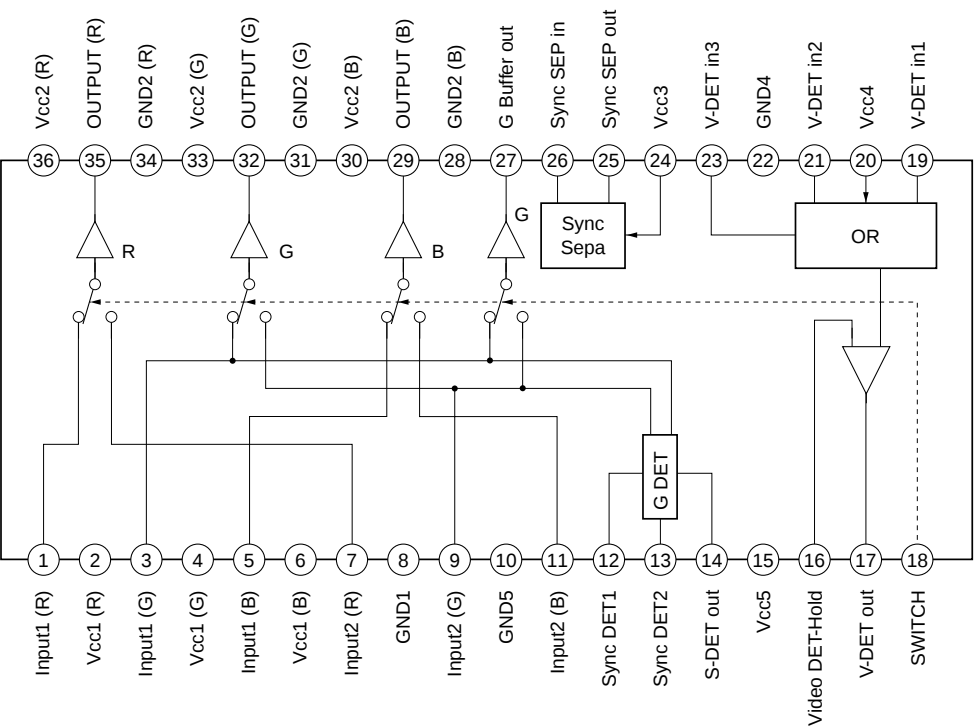




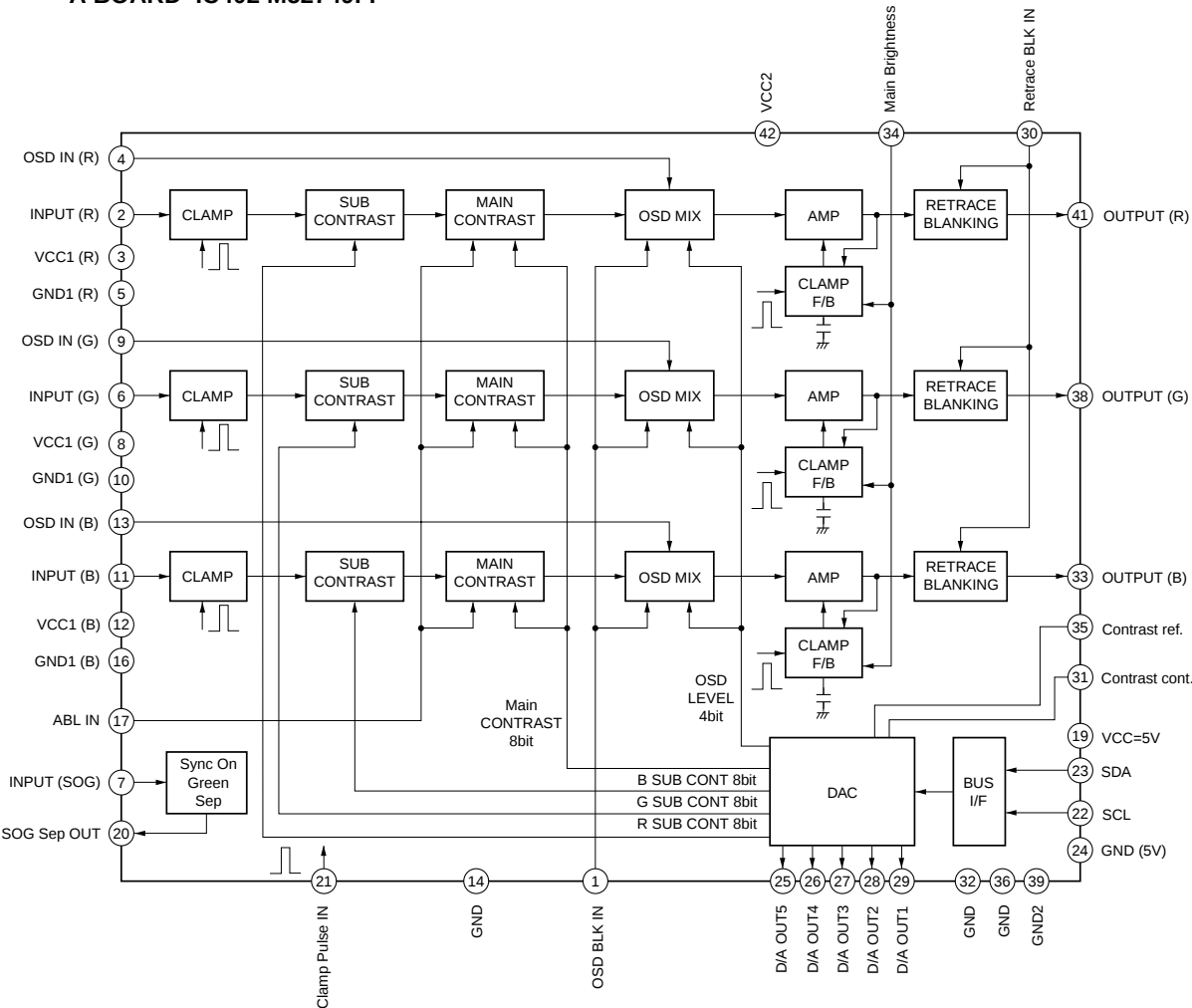
4-2. FRAME SCHEMATIC DIAGRAM



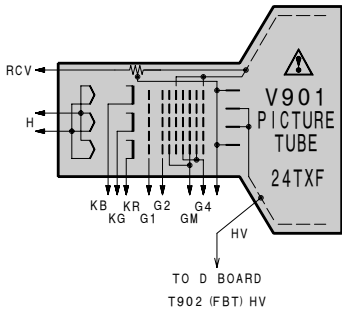
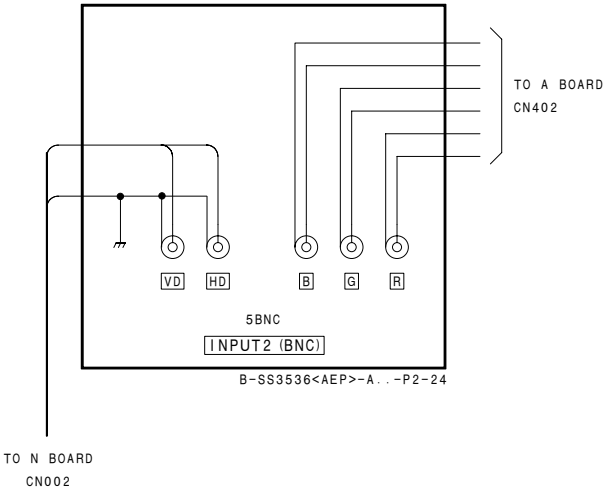
• A BOARD IC401 M52757FP



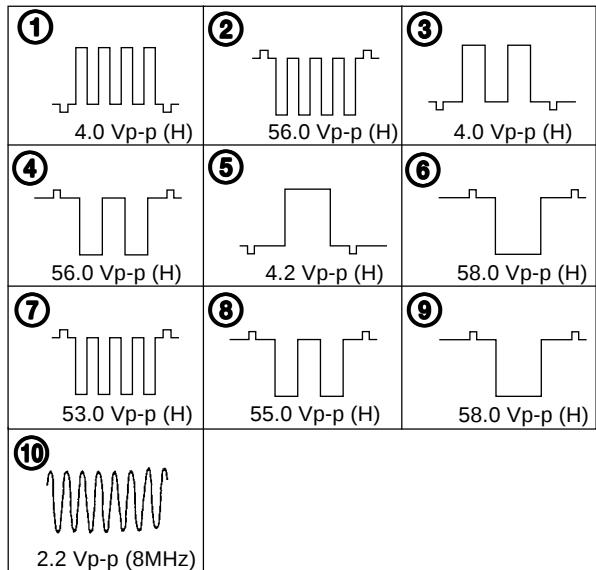
• A BOARD IC402 M52749FP



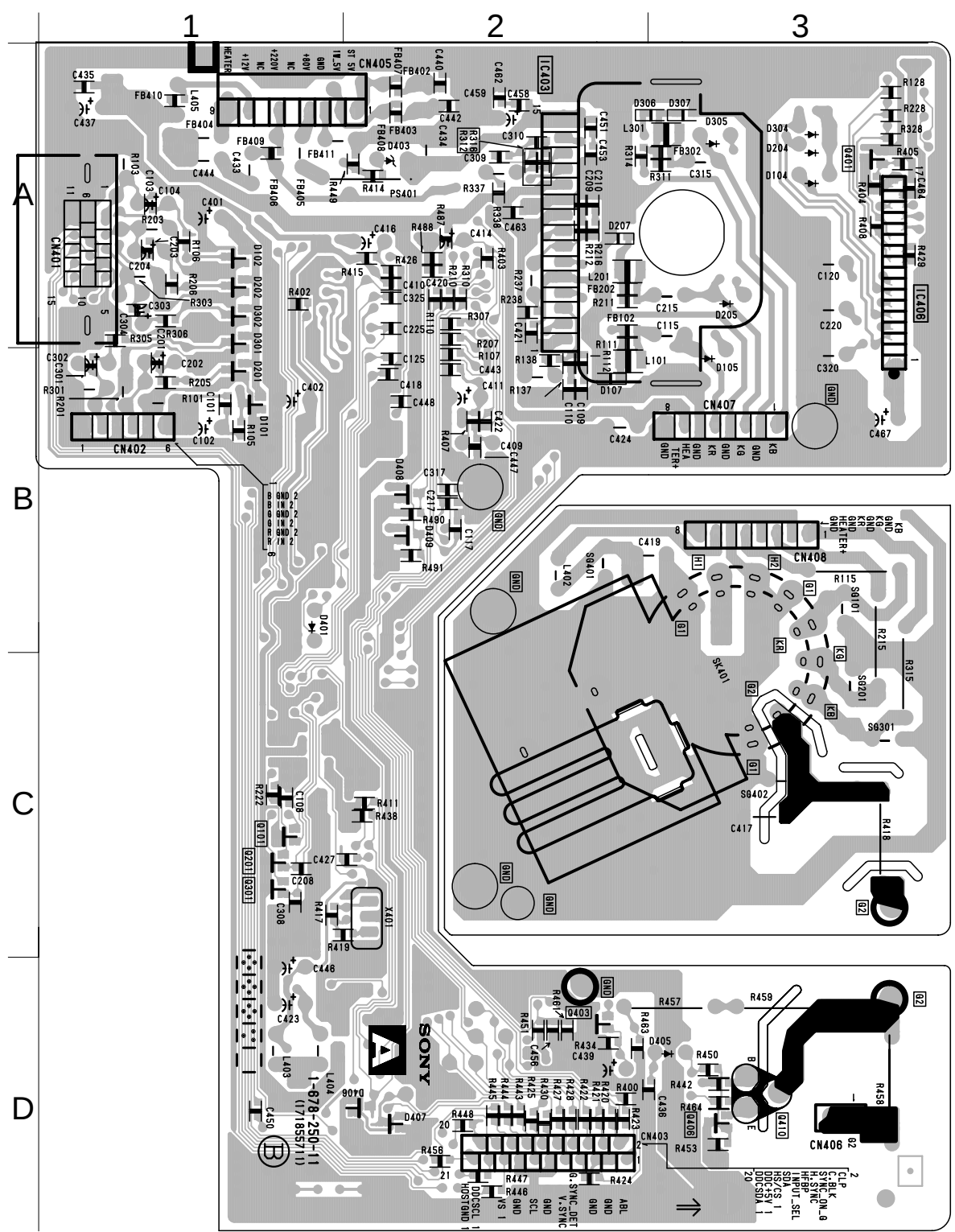
CONNECTOR PANEL



• A BOARD WAVEFORMS



— A BOARD (Conductor Side) —



• A BOARD
SEMICONDUCTOR
LOCATION

IC		
(Conductor Side)	(Component Side)	
IC401	B-3	
IC402	B-2	
IC403	A-2	
IC404	C-3	
IC405	D-2	
IC406	A-1	
IC407	D-2	

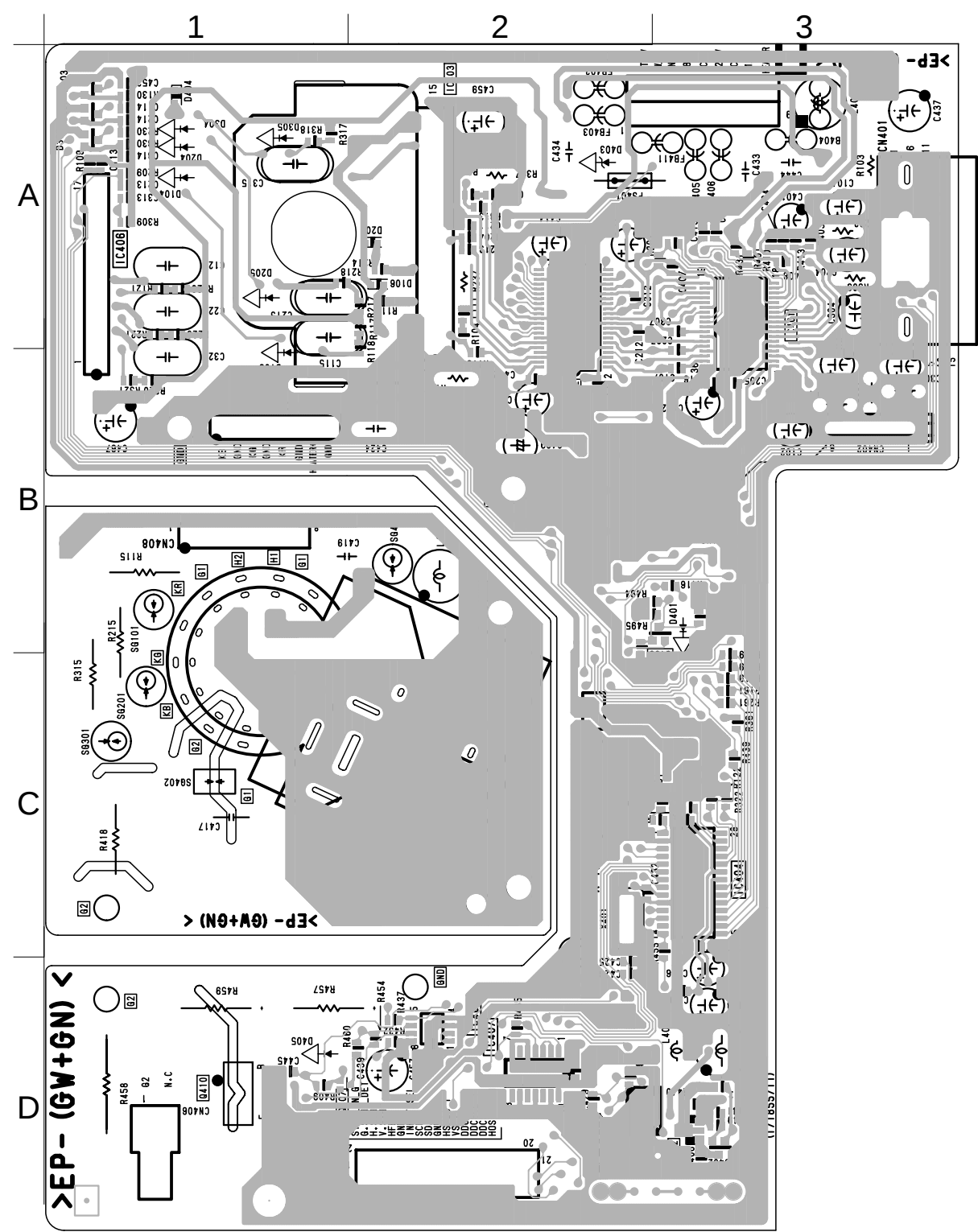
TRANSISTOR		
(Conductor Side)	(Component Side)	*
Q101	C-1	①
Q201	C-1	①
Q301	C-1	①
Q401	A-3	①
Q402	D-3	①
Q406	D-3	①
Q407	D-2	②
Q410	D-3	①

DIODE		
(Conductor Side)	(Component Side)	*
D101	B-1	⑥
D102	A-1	⑥
D103		⑥
D105	B-3	①
D106		③
D107	B-2	③
D201	B-1	⑥
D202	A-1	⑥
D203		⑥
D205	A-3	①
D206		③
D207	A-2	③
D301	B-1	⑥
D302	A-1	⑥
D303		⑥
D305	A-3	①
D306	A-3	③
D307	A-3	③
D402		③
D403	A-2	③
D405	D-3	①
D406	D-2	⑥
D407	D-2	⑥

CRYSTAL		
(Conductor Side)	(Component Side)	
X401	C-2	C-2

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 5-12)

— A BOARD (Component Side) —

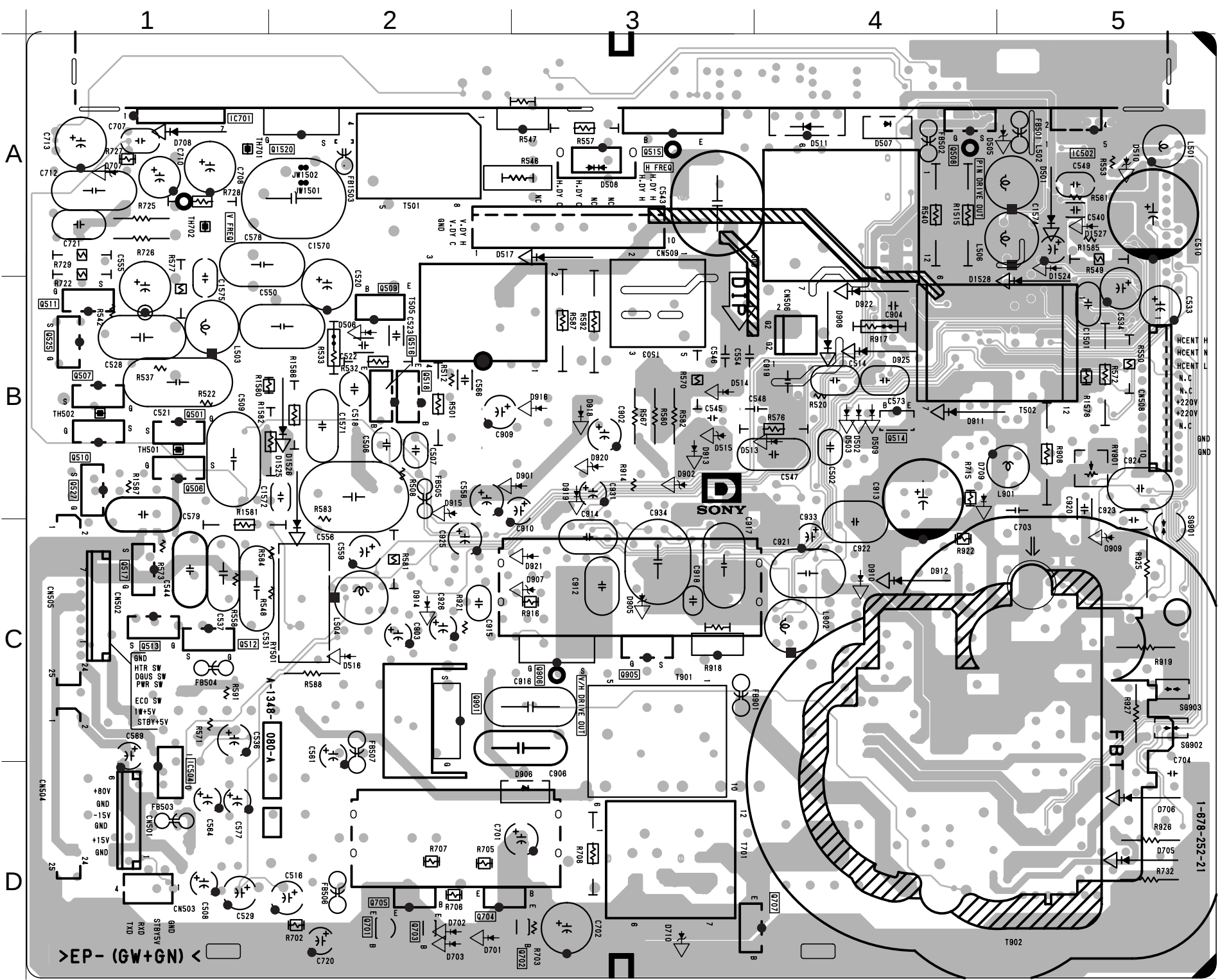


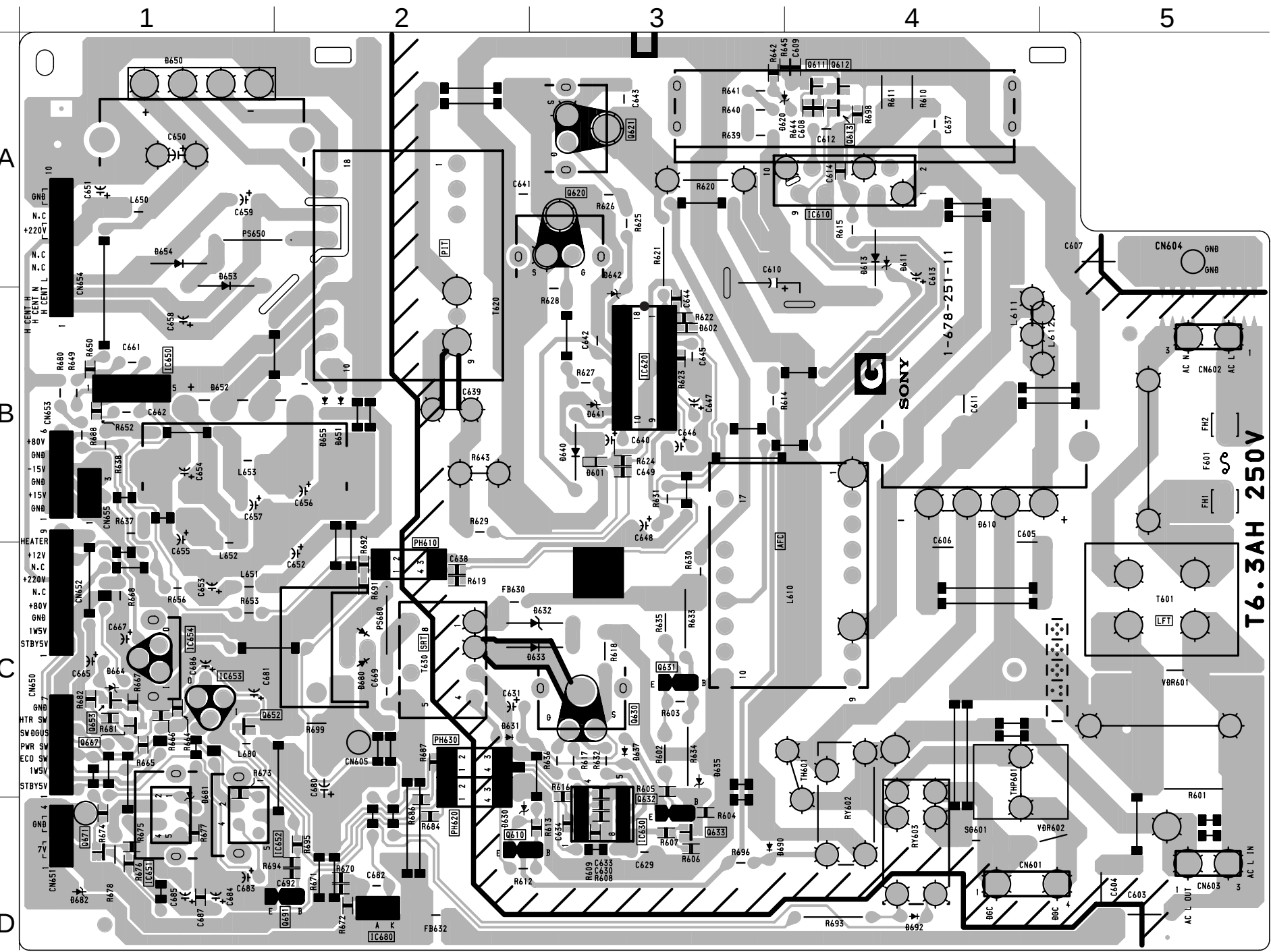
NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



***: Refer to Terminal name of
semiconductors in silk screen
printed circuit (see page 5-12)**

IC				DIODE			
(Conductor Side)		(Component Side)		(Conductor Side)	(Component Side)	*	
IC501	D-4			D504	D-5		3
IC502	A-1		A-5	D505	A-1	A-5	—
IC503	C-4			D506	B-4	B-2	—
IC504	D-5		D-1	D507	A-2	A-4	—
IC701	A-5		A-1	D508	A-3	A-3	—
IC901	B-3			D509	B-2	B-4	—
				D510	A-1	A-5	—
TRANSISTOR				D511	A-2	A-4	—
(Conductor Side)		(Component Side)	*	D512	B-3		3
Q501	B-5	B-1	—	D513	B-2	B-4	—
Q502	B-4		1	D514	B-3	B-3	—
Q503	B-4		1	D515	B-3	B-3	—
Q504	B-2		1	D516	C-4	C-2	—
Q505	B-2		1	D517	A-3	A-3	—
Q506	B-5	B-1	—	D519	D-5		3
Q507	B-5	B-1	—	D520	D-5		3
Q508	A-2	A-4	—	D522	D-5		3
Q509	B-4	B-2	—	D701	D-4	D-2	—
Q510	B-5	B-1	—	D702	D-4	D-2	—
Q511	B-5	B-1	—	D703	D-4	D-2	—
Q512	C-5	C-1	—	D706	D-1	D-5	—
Q513	C-5	C-1	—	D707	A-5	A-1	—
Q514	B-2	B-4	—	D708	A-5	A-1	—
Q515	A-3	A-3	—	D709	B-1	B-4	—
Q516	B-4	B-2	—	D710	D-3	D-3	—
Q517	C-5	C-1	—	D901	B-3	B-3	—
Q518	B-4	B-2	—	D902	B-3	B-3	—
Q519	C-5		1	D904	C-3		3
Q520	B-3		1	D905	C-3	C-3	—
Q521	C-5		1	D906	D-3	D-3	—
Q522	C-5		1	D907	C-3	C-3	—
Q523	C-5		1	D908	B-2	B-4	—
Q524	B-3		1	D909	C-1	C-5	—
Q525	B-5	B-1	—	D910	C-2	C-4	—
Q526	D-4		1	D911	B-1	B-4	—
Q527	B-5	B-1	—	D912	C-2	C-4	—
Q701	D-4	D-2	—	D913	B-3	B-3	—
Q702	D-3	D-3	—	D915	B-4	B-2	—
Q703	D-4	D-2	—	D917	B-3		3
Q704	D-3	D-2	—	D918	B-3	B-3	—
Q705	D-4	D-2	—	D919	B-3	B-3	—
Q706	D-3		1	D920	B-3	B-3	—
Q707	D-2	D-4	—	D921	C-3	C-3	—
Q901	C-4	C-2	—	D922	B-2	B-4	—
Q902	C-5		1	D923	C-4		3
Q903	C-3		1	D925	B-2	B-4	—
Q904	C-3		1	VARIABLE RESISTOR			
Q905	C-3	C-3	—	(Conductor Side)		(Component Side)	
Q906	C-3	C-3	—	RV901	B-1	B-5	—
Q907	C-4		1				
Q908	C-4		1				
Q909	C-5		1				
Q910	B-4		1				

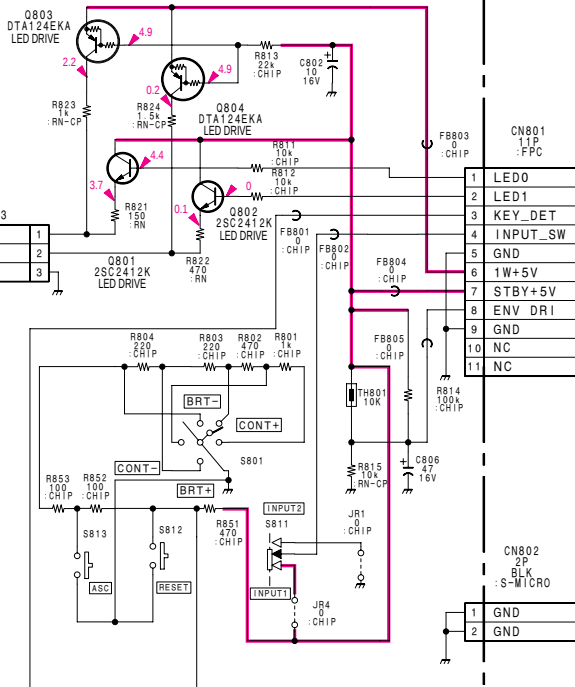




• G BOARD
SEMICONDUCTOR
LOCATION

IC		
IC610	A-4	
IC620	B-3	
IC630	D-3	
IC650	B-1	
IC651	D-1	
IC652	D-1	
IC653	C-1	
IC654	C-1	
IC680	D-2	
TRANSISTOR		
Q610	D-2	*
Q611	A-4	1
Q612	A-4	1
Q613	A-4	1
Q620	A-3	—
Q621	A-3	—
Q630	C-3	—
Q631	C-3	—
Q632	D-3	—
Q633	D-3	1
Q652	C-1	1
Q653	C-1	1
Q667	C-1	1
Q671	D-1	1
Q691	D-2	—
DIODE		
D601	B-3	*
D610	B-4	—
D613	A-4	—
D620	A-4	—
D630	D-2	—
D631	C-2	—
D632	C-3	—
D633	C-3	—
D635	C-3	—
D637	C-3	—
D640	B-3	—
D650	A-1	—
D651	B-2	—
D652	B-1	—
D653	A-1	—
D654	A-1	—
D655	B-2	—
D664	C-1	—
D680	C-2	—
D681	C-1	—
D682	D-1	—
D690	D-3	—
D692	D-4	—

D801
SPR-505MVWT31
POWER



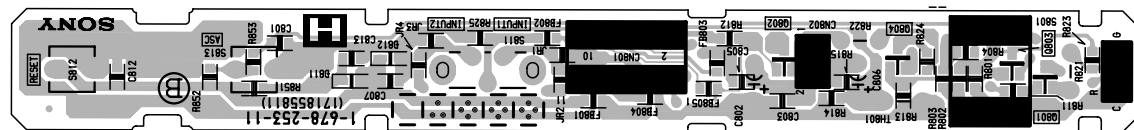
TO N- (a) BOARD
CN007

H
(USER CONTROL)

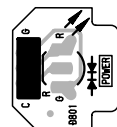
H 1

— H BOARD (Conductor Side) —

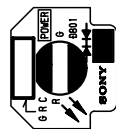
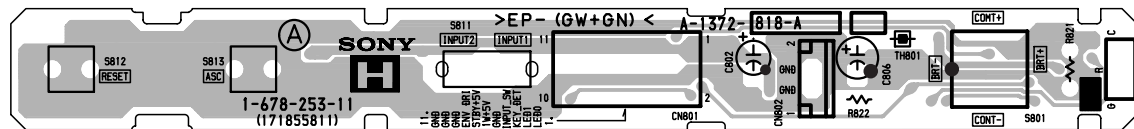
(H1)

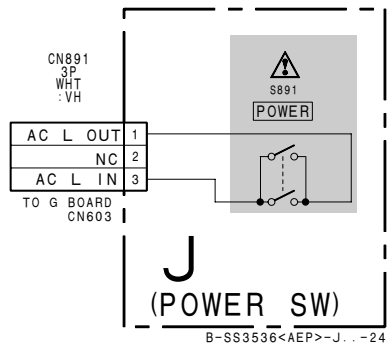


(H2)

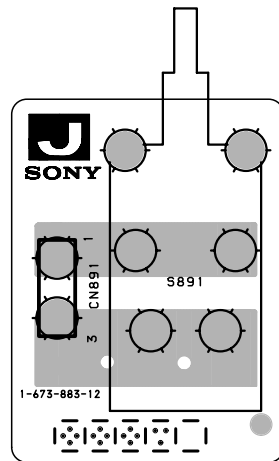


— H BOARD (Component Side) —

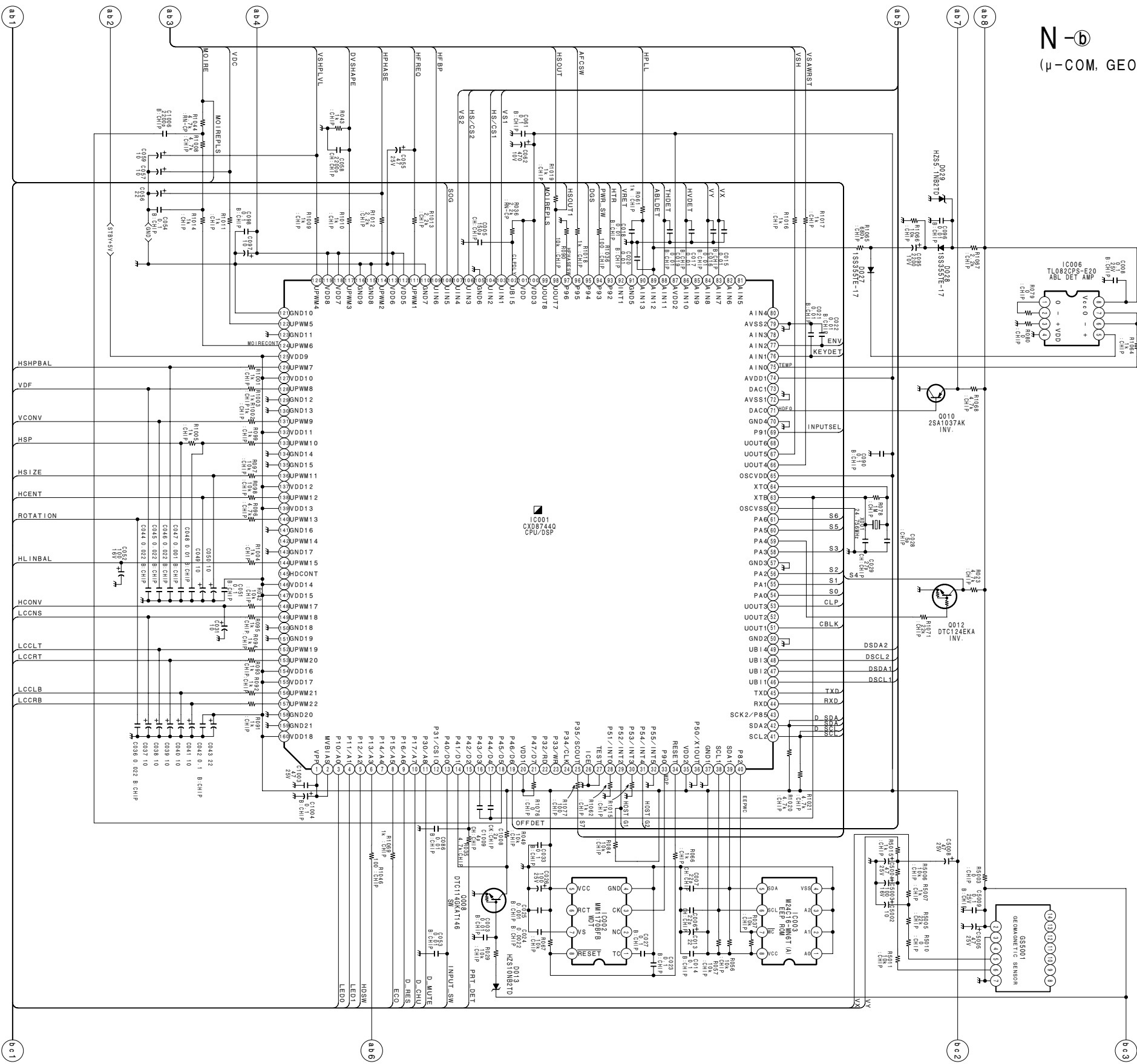


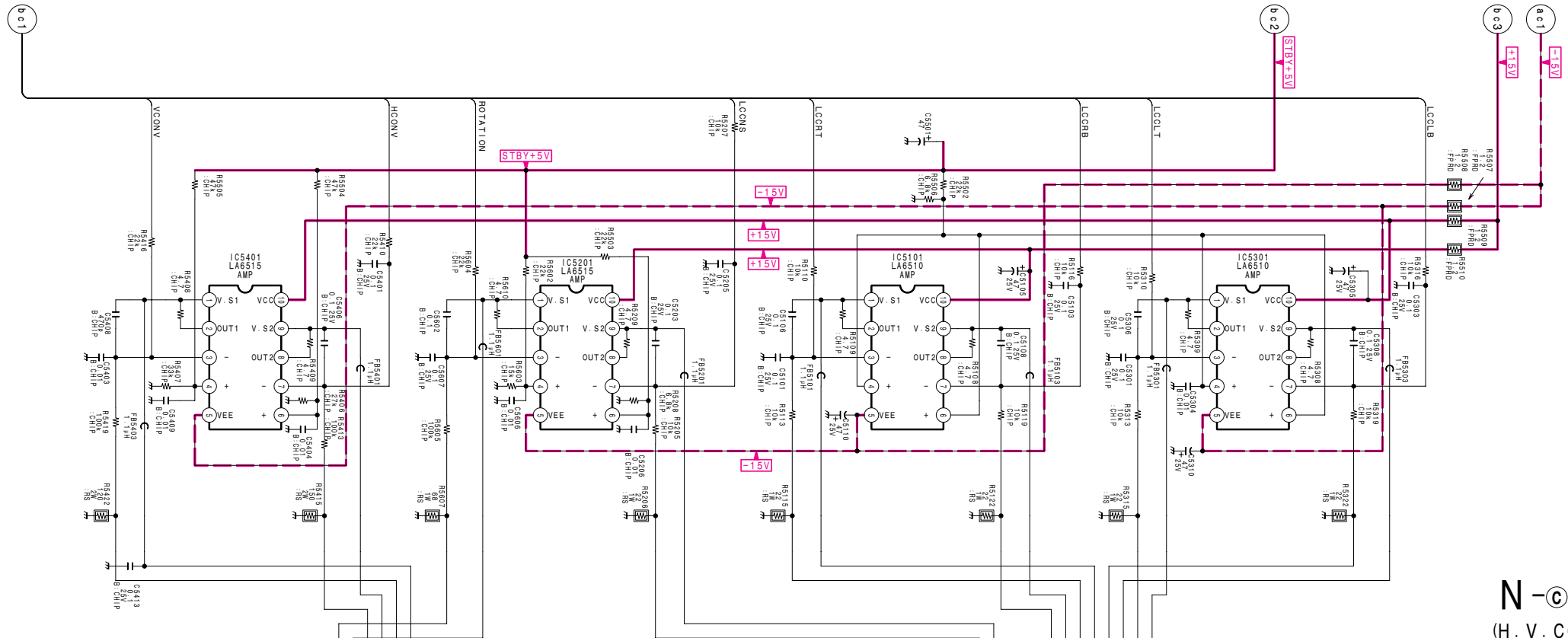


— J BOARD —

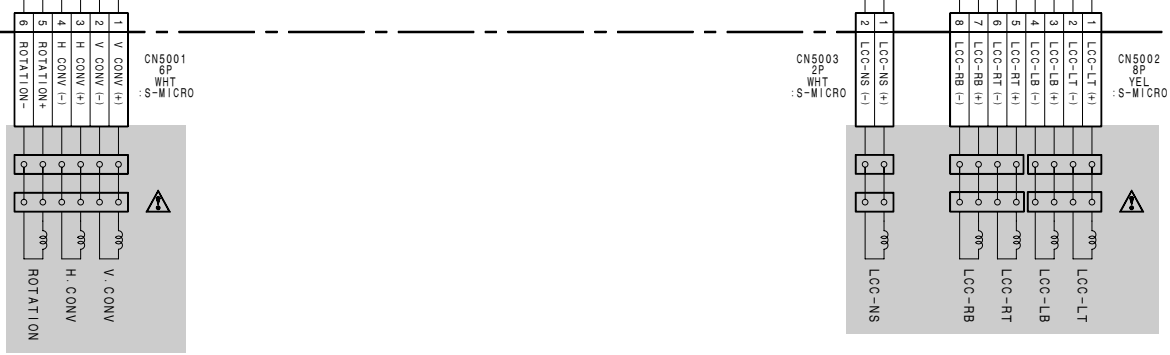


N-⑥ (μ-COM, GEO MAGNETIC SENSOR)



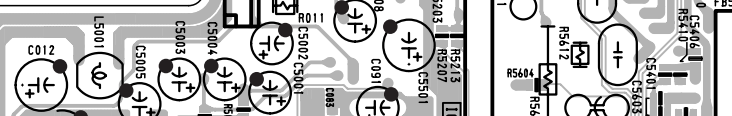


N-
(H. V. CONV, LCC)





IC			
	(Conductor Side)	(Component Side)	
IC001		C-2	
IC002		C-2	
IC003		C-2	
IC004		B-2	
IC005		B-2	
IC006		D-1	
IC010		C-2	
IC011	B-2		
IC012	D2		
IC5101	A-2	A-2	
IC5201	B-2	B-2	
IC5301	A-1	A-2	
IC5401	B-1	B-2	
TRANSISTOR			
	(Conductor Side)	(Component Side)	*
Q001	C-1		1
Q002	C-1		1
Q003	C-1		1
Q004		B-1	2
Q005		C-1	2
Q006		C-1	2
Q007	B-3		1
Q008	C-2		1
Q010		C-1	2
Q011		C-2	2
Q012		D-2	2
DIODE			
	(Conductor Side)	(Component Side)	*
D001		A-1	7
D002		A-1	7
D003	C-3		6
D004		C-1	7
D005	A1	A2	—
D006	A1	A2	—
D007	A1	A2	—
D008	C-3	C-1	—
D009	C-3	C-1	—
D010	C-3	C-1	—
D011	A1	A2	—
D012	C-3	C-1	—
D013	C-2	C-2	—
D014	B2		—
D015	B-2		8
D016	B-1	B-2	—
D017	B-1	B-2	—
D018	B-1	B-2	—
D020		B-1	3
D021	C-3		3
D022	C-3		8
D023	B-2		8
D024	B-2		8
D025	B-1		6
D026	B-2		6
D027	D-2		3
D028	D-2		3
D029	D-3	D-1	—
D036	D-3	D-1	—
D037	D-3	D-1	—
D038		C-1	3
CRYSTAL			
	(Conductor Side)	(Component Side)	
X001	C-2	C-1	



072 >EP - (GW+GN) <

TO G BOARD
CN655

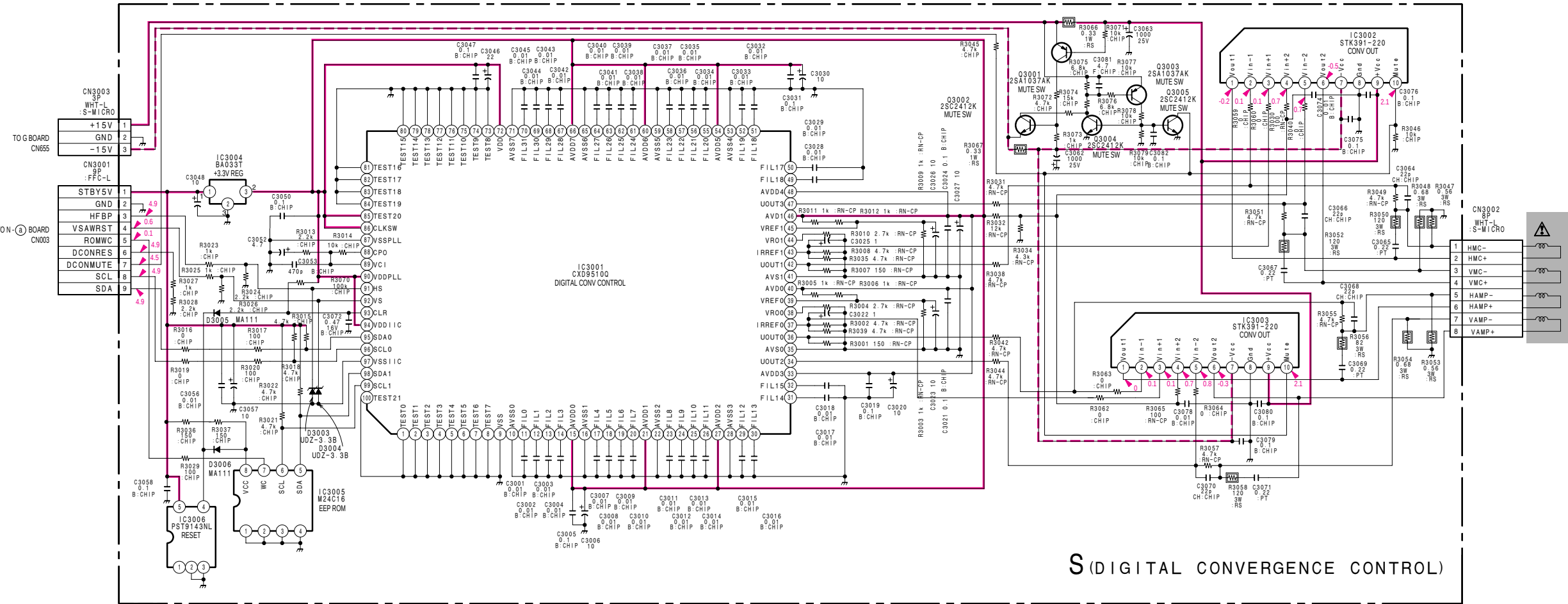
TO N-(a) BOARD
CN003

CN3003
8P
WHT-L
S-MICRO

1	+15V
2	GND
3	-15V

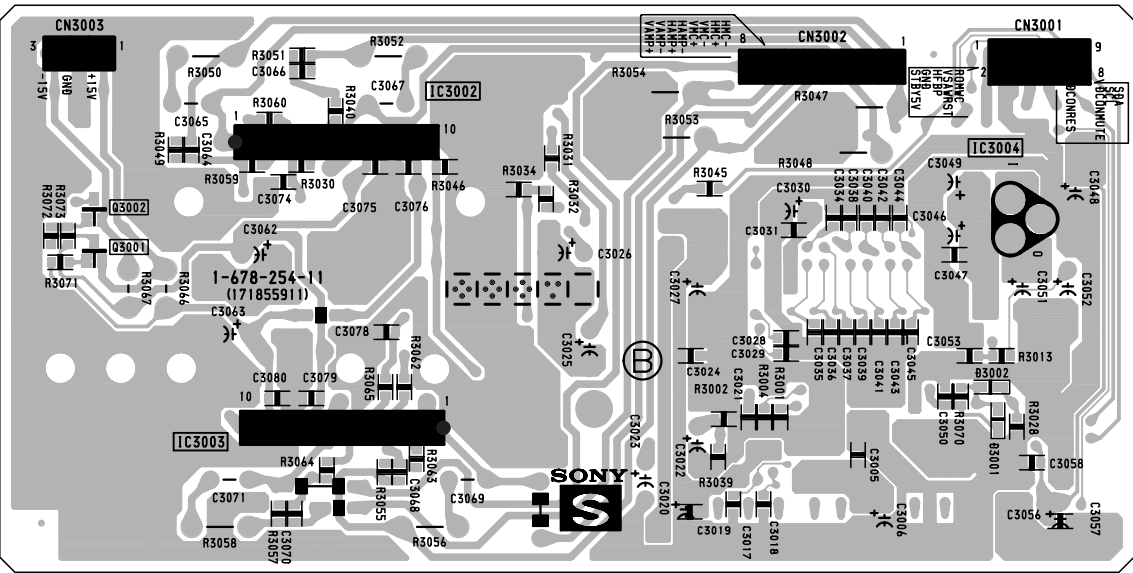
CN3001
8P
:FFC-L

1	STBY5V
2	GND
3	HFBP
4	VSAWRST
5	ROMWC
6	DCONRES
7	SCL
8	SDA
9	

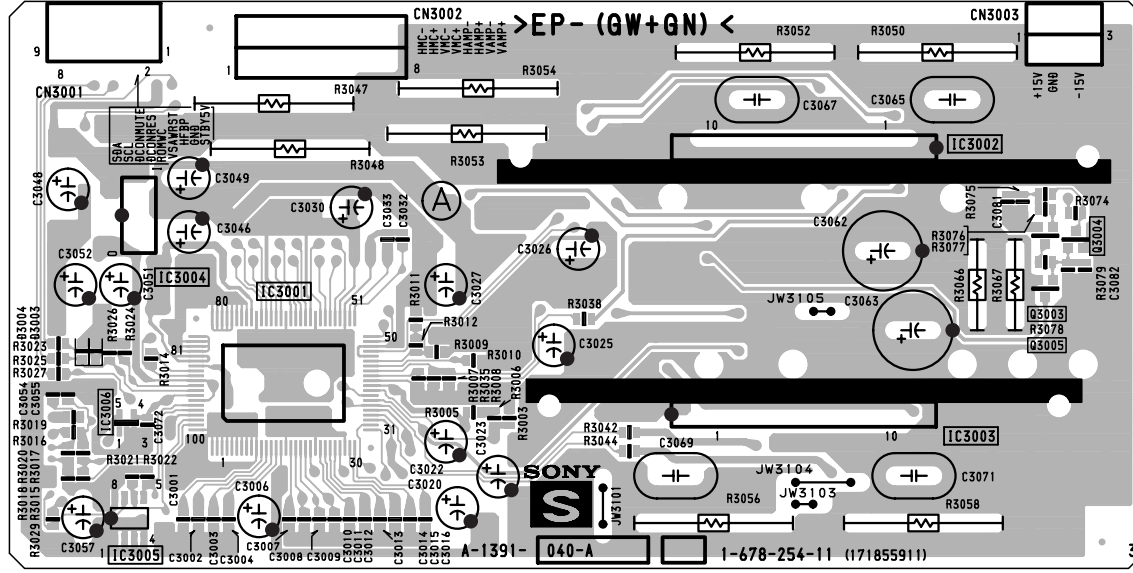


S(DIGITAL CONVERGENCE CONTROL)

— S BOARD (Conductor Side) —

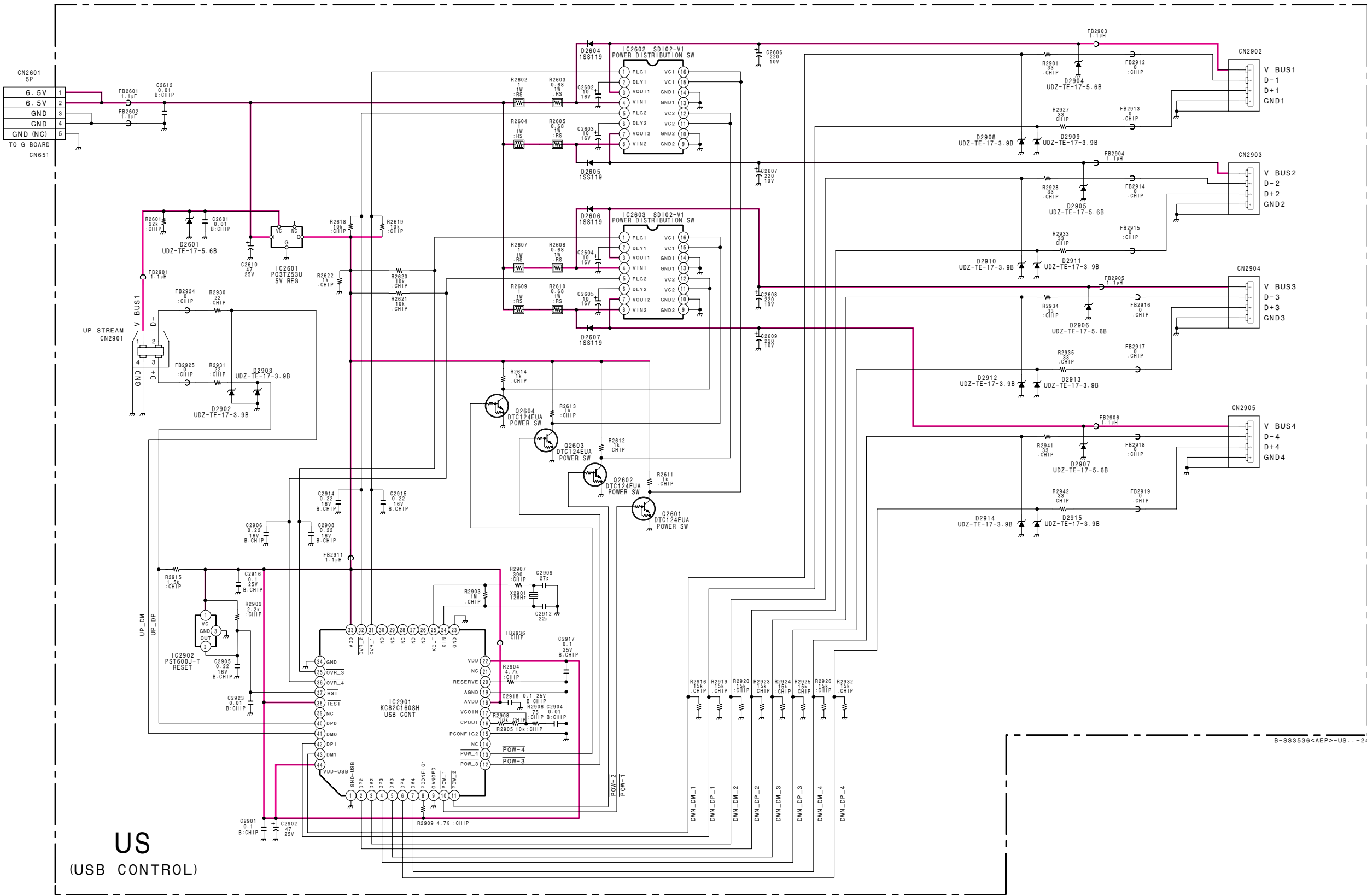


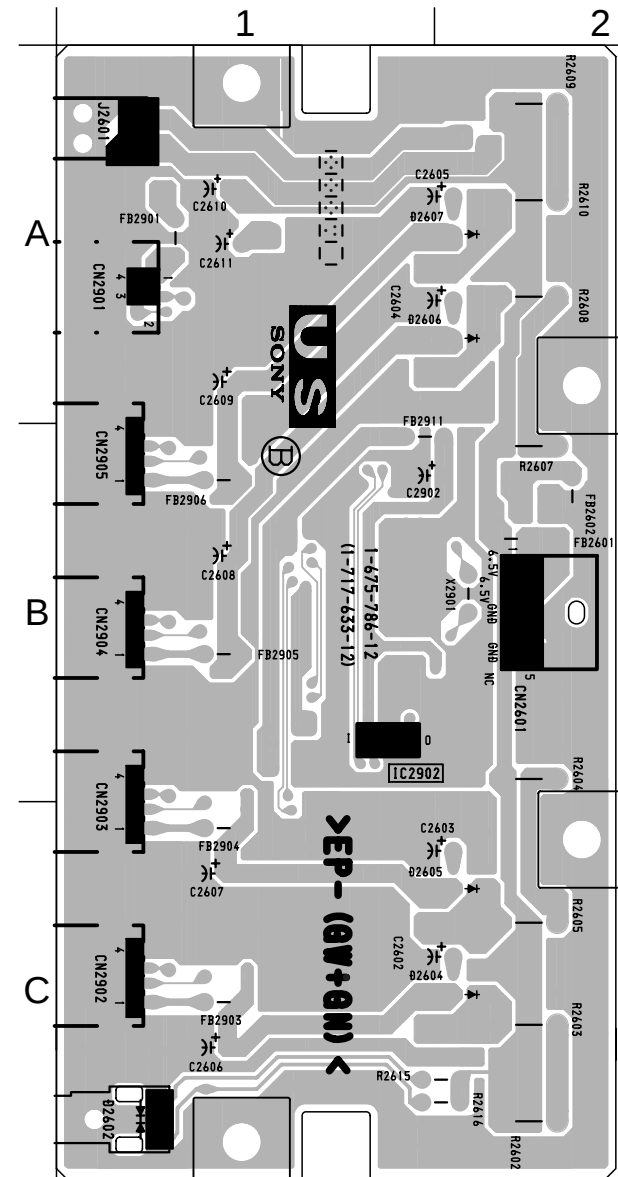
— S BOARD (Component Side) —



CN2601	5P
6-5V	1
6-5V	2
GND	3
GND	4
GND (INC)	5

TO G BOARD
CN651





• US BOARD
SEMICONDUCTOR
LOCATION

IC		
(Conductor Side)	(Component Side)	
IC2601	A-1	
IC2602	C-1	
IC2603	A-1	
IC2901	B-1	
IC2902	B-1	
TRANSISTOR		
(Conductor Side)	(Component Side)	
Q2601	C-1	2
Q2602	C-1	2
Q2603	A-1	2
Q2604	A-1	2
DIODE		
(Conductor Side)	(Component Side)	
D2601	A-2	3
D2604	C-2	—
D2605	C-2	—
D2606	A-2	—
D2607	A-2	—
D2902	A-1	3
D2903	A-1	3
D2904	C-1	3
D2905	B-1	3
D2906	B-2	3
D2907	B-2	3
D2908	C-2	3
D2909	C-2	3
D2910	B-2	3
D2911	B-2	3
D2912	B-2	3
D2913	B-2	3
D2914	B-2	3
D2915	B-2	3
CRYSTAL		
(Conductor Side)	(Component Side)	
X2901	B-2	B-1

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 5-12)

