

基準回路図および基板部品配置図

■回路図使用上の注意

- [1] 基準回路図上の(▲)部品は安全上重要な部品です。
部品交換をする場合は、必ず指定の部品をご使用ください。
- [2] 回路上の表示
- 回路上の入/出力端子名の上部に表す——記号
(例 PB CTL)はその信号ラインが”L”アクティブであることを意味します。
 - 抵抗
無単位 : [Ω]
k : [kΩ]
M : [MΩ]
 - コンデンサ
無単位 : [μF]
k : [pF]
 - コイル
μ / μH : [μH]
m : [mH]
- [3] 部品番号について
部品を注文の際は、部品表に記載されている部品番号で注文してください。

■チップ部品について

- 抵抗、ショートジャンパー (0Ω 抵抗)、セラミックコンデンサ、トランジスタ、ダイオード、可変抵抗にチップ部品を使用しているものがあります。これらのチップ部品は一度取り外したものは再使用できません。
 - チップ抵抗は、一部の回路において抵抗値の誤差の少ない高精度タイプのものを使用しています。性能維持のため、「部品リスト」に従い正しい部品を注文し、お使いください。
 - チップ部品の交換について
半田ゴテ (温度260~300℃、約17W) は、コテ先が細く絶縁性の高いものを使用してください。
- (注)ミニフラットICについて
半田を溶かさず、ICピンを切り取って取り外す時には、基板プリントパターンに傷を付けたり、パターンがはがれないように注意してください。

■チップ部品のピン配置

- [1] デジタルトランジスタ
- DTC 1

① ② ③

(上面図)
- DTA 1
DTB 1

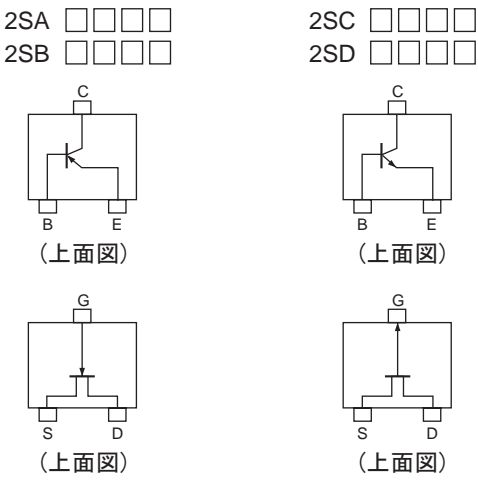
① ② ③

(上面図)
- ① R1の抵抗値を示す略記号
43 : 4.7kΩ
14 : 10kΩ
24 : 22kΩ
44 : 47kΩ

② R1/R2の抵抗比率を示す略記号
E : R2/R1=1/1
Y : R2/R1=5/1
W : R2/R1=2/1
X : R2/R1=1/2
T : R2はオープン

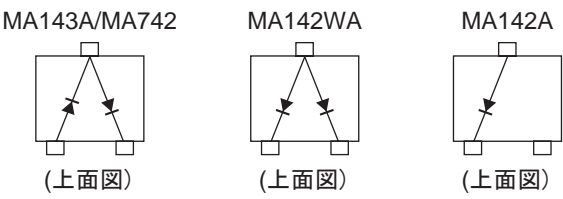
③ 形状を示す略記号

- [2] チップトランジスタ、FET

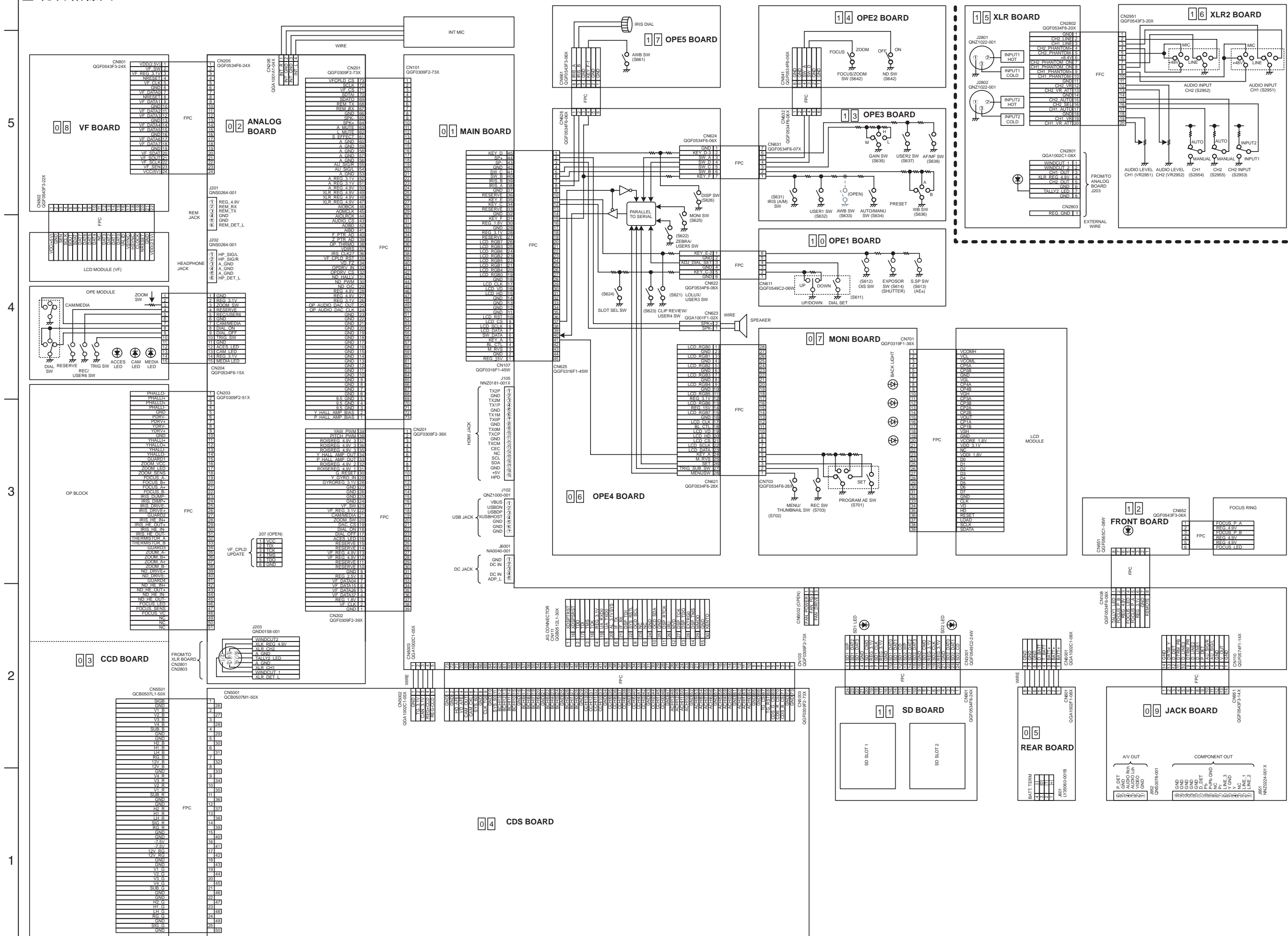


(上面図)

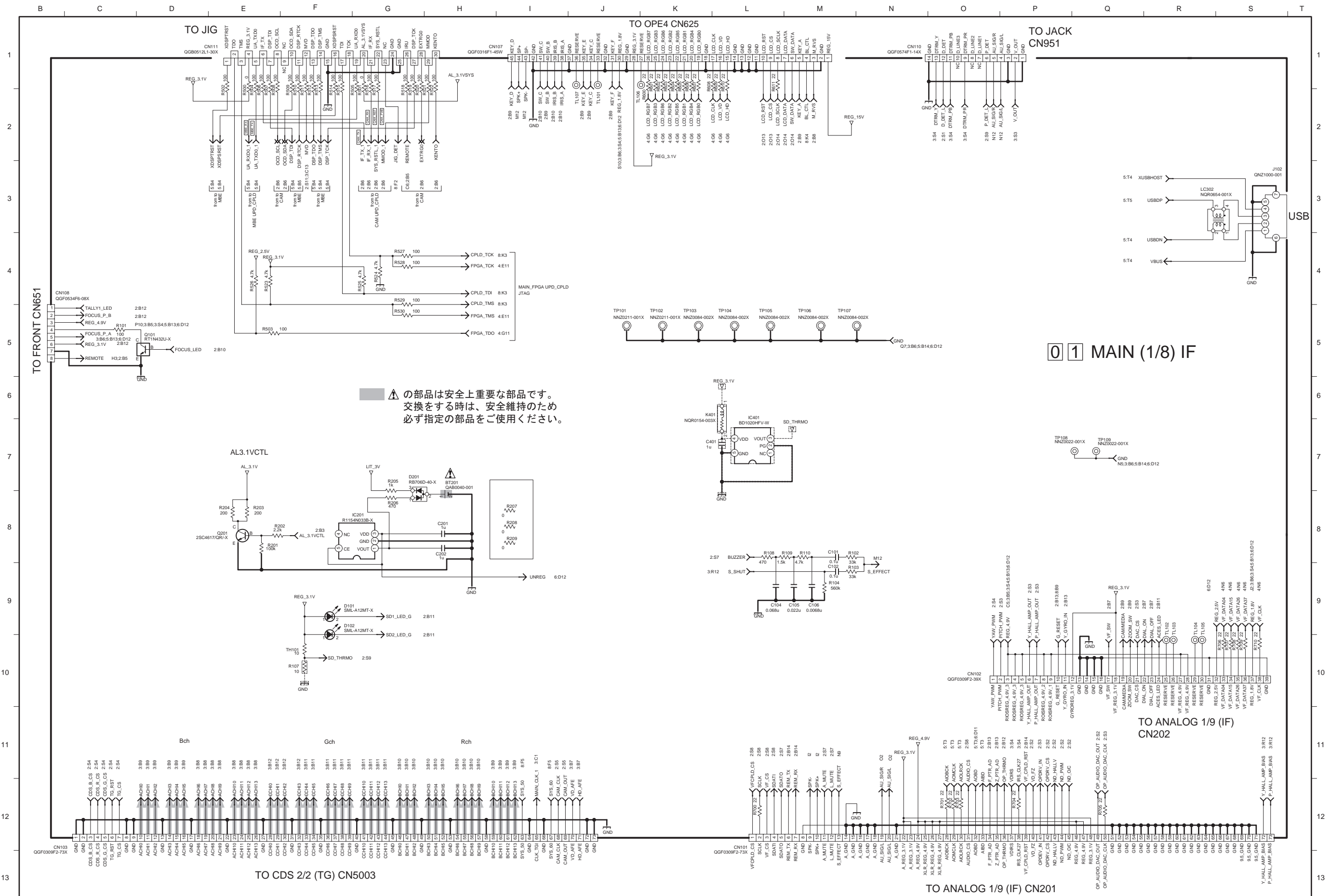
- [3] チップダイオード



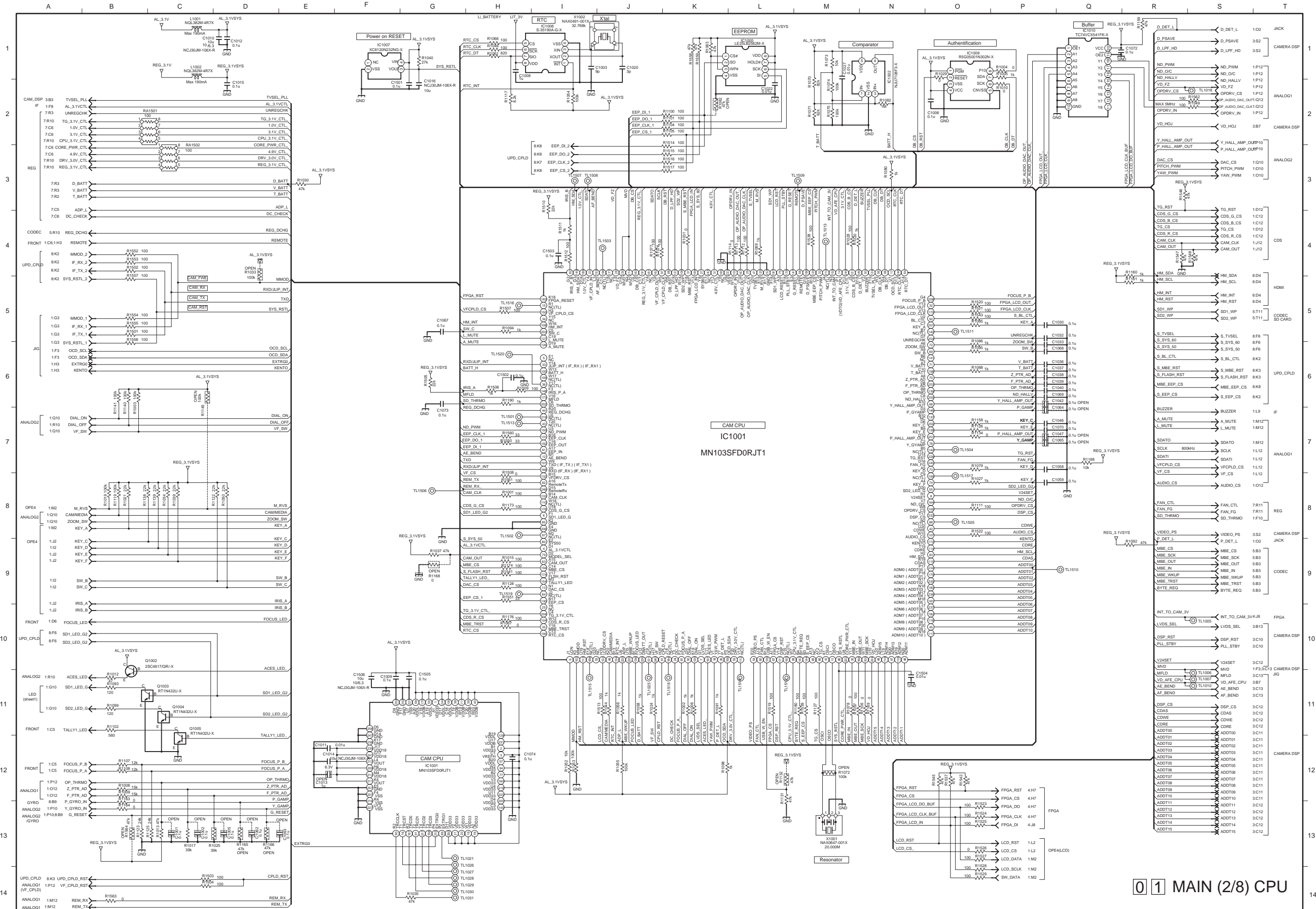
■ 総合結線図



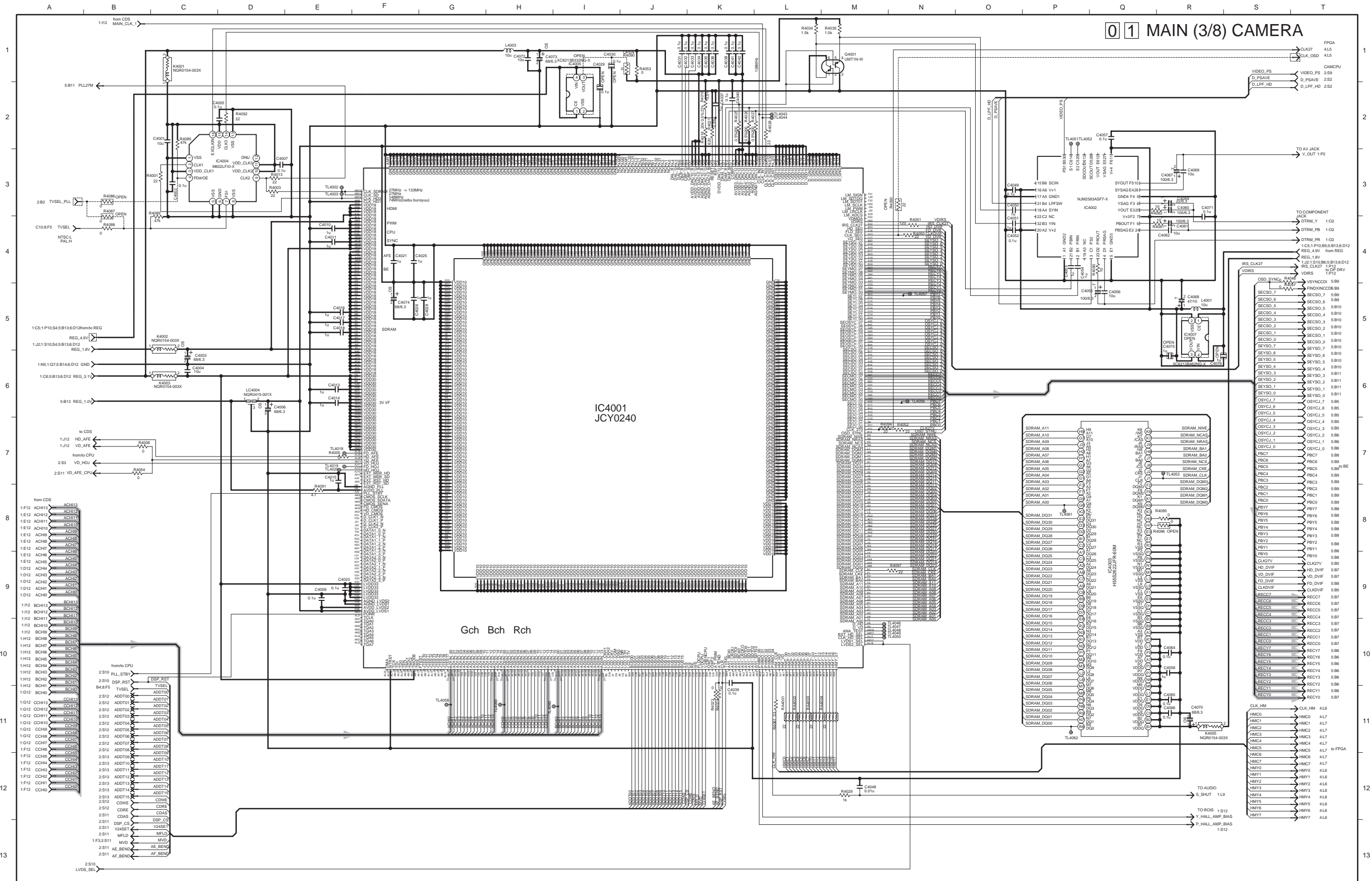
■ MAIN基板基準回路図 (1/8) IF



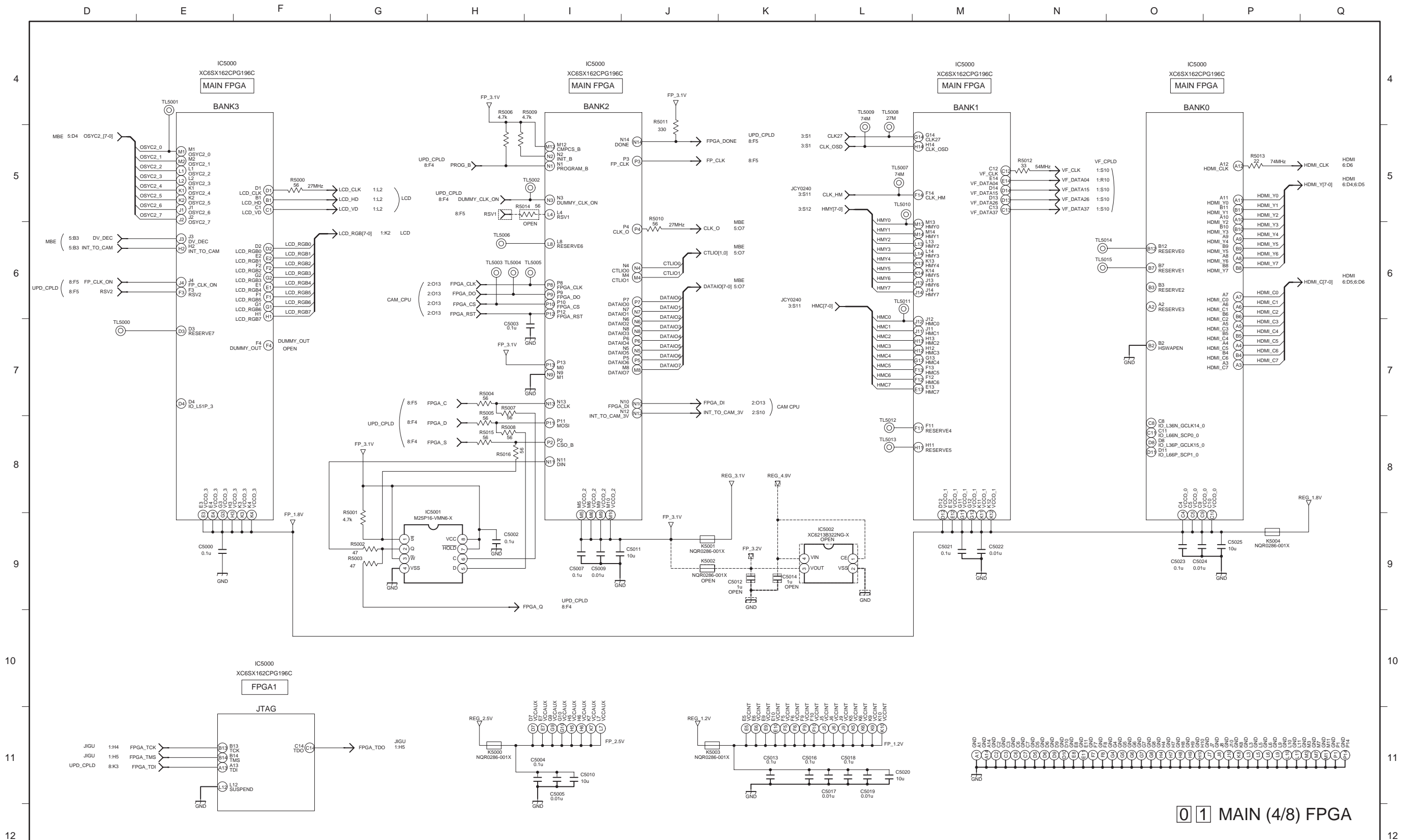
■ MAIN基板基準回路図 (2/8) CPU



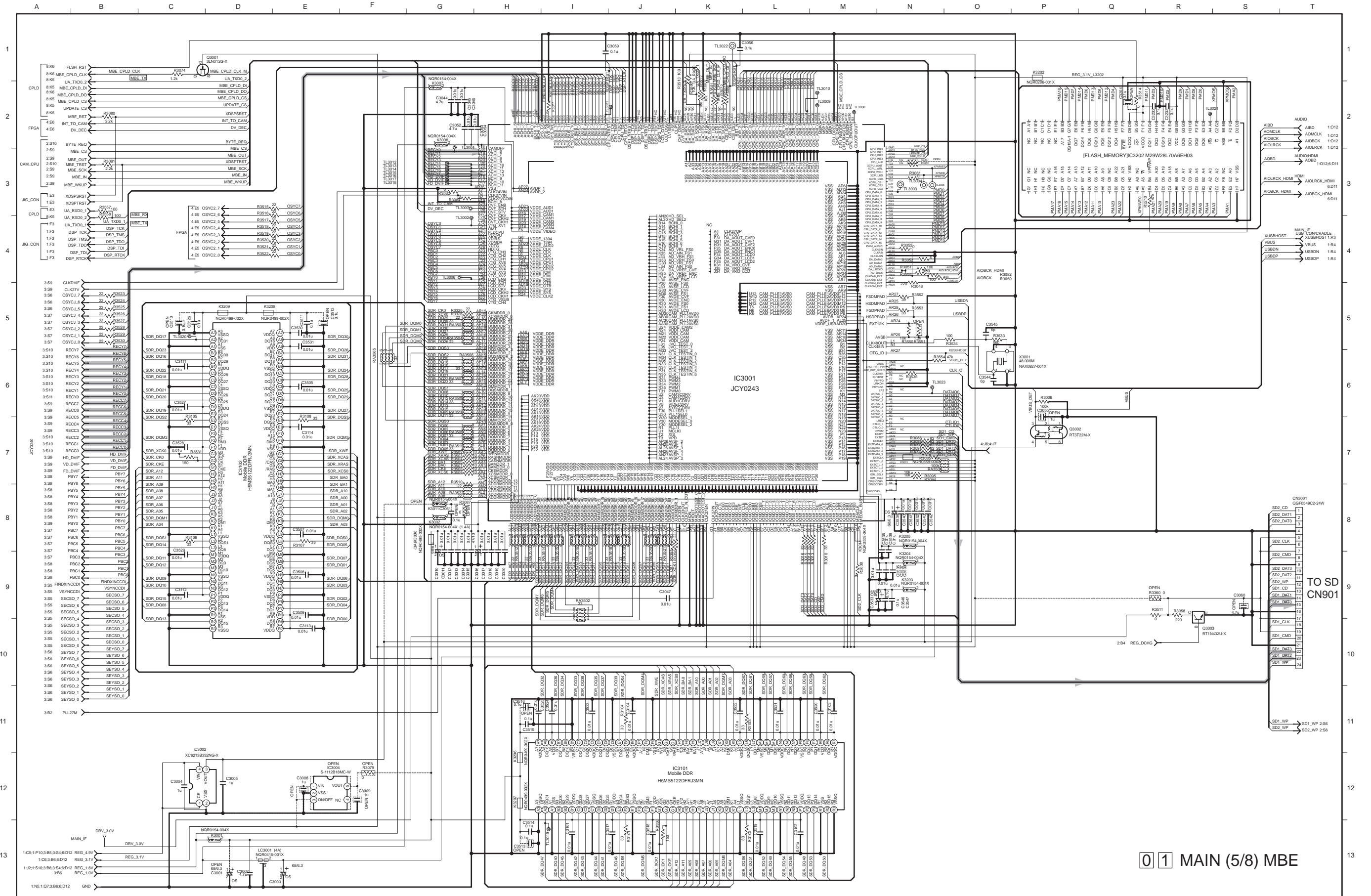
■ MAIN基板基準回路図 (3/8) CAMERA



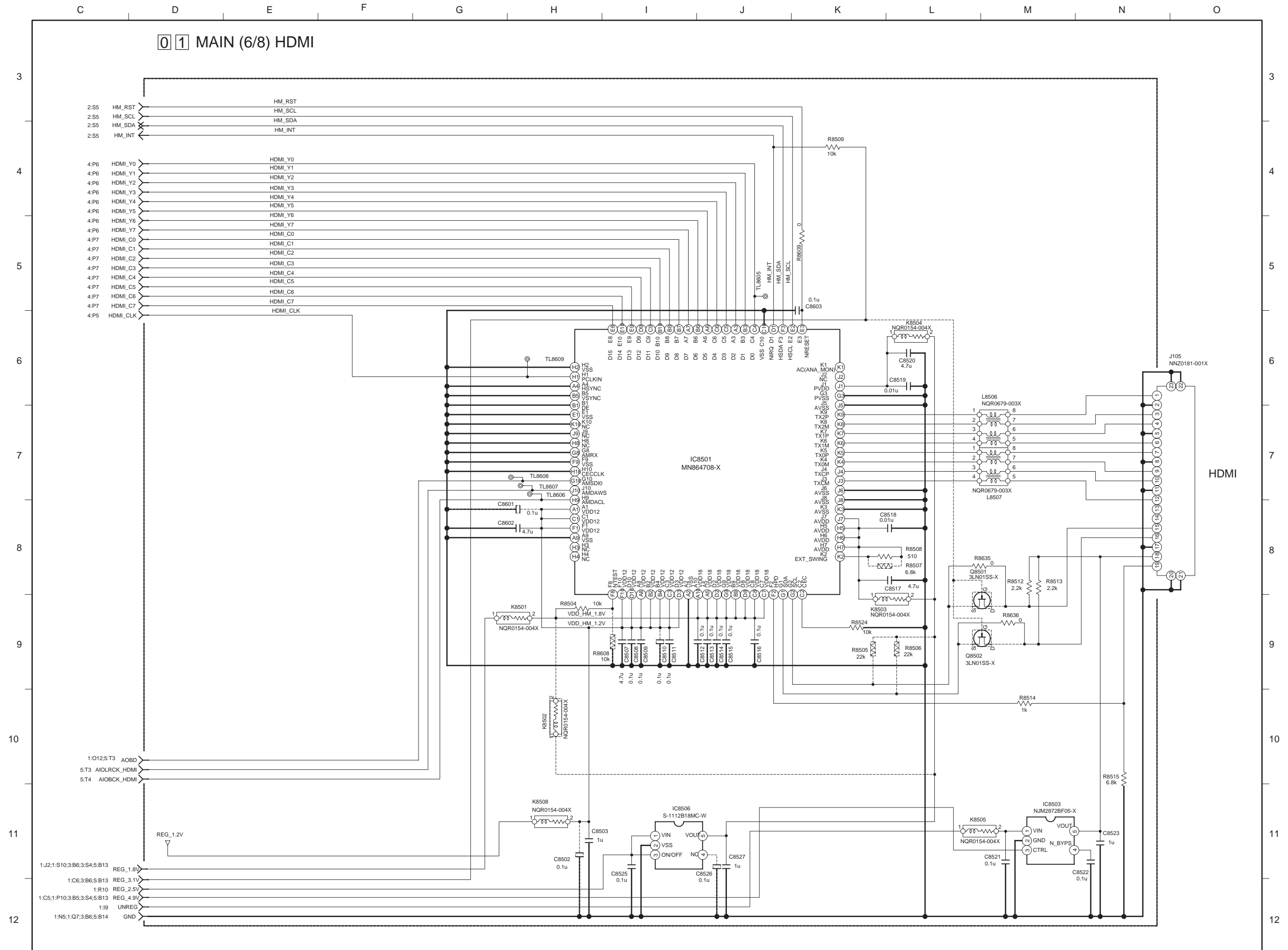
■ MAIN基板基準回路図 (4/8) FPGA



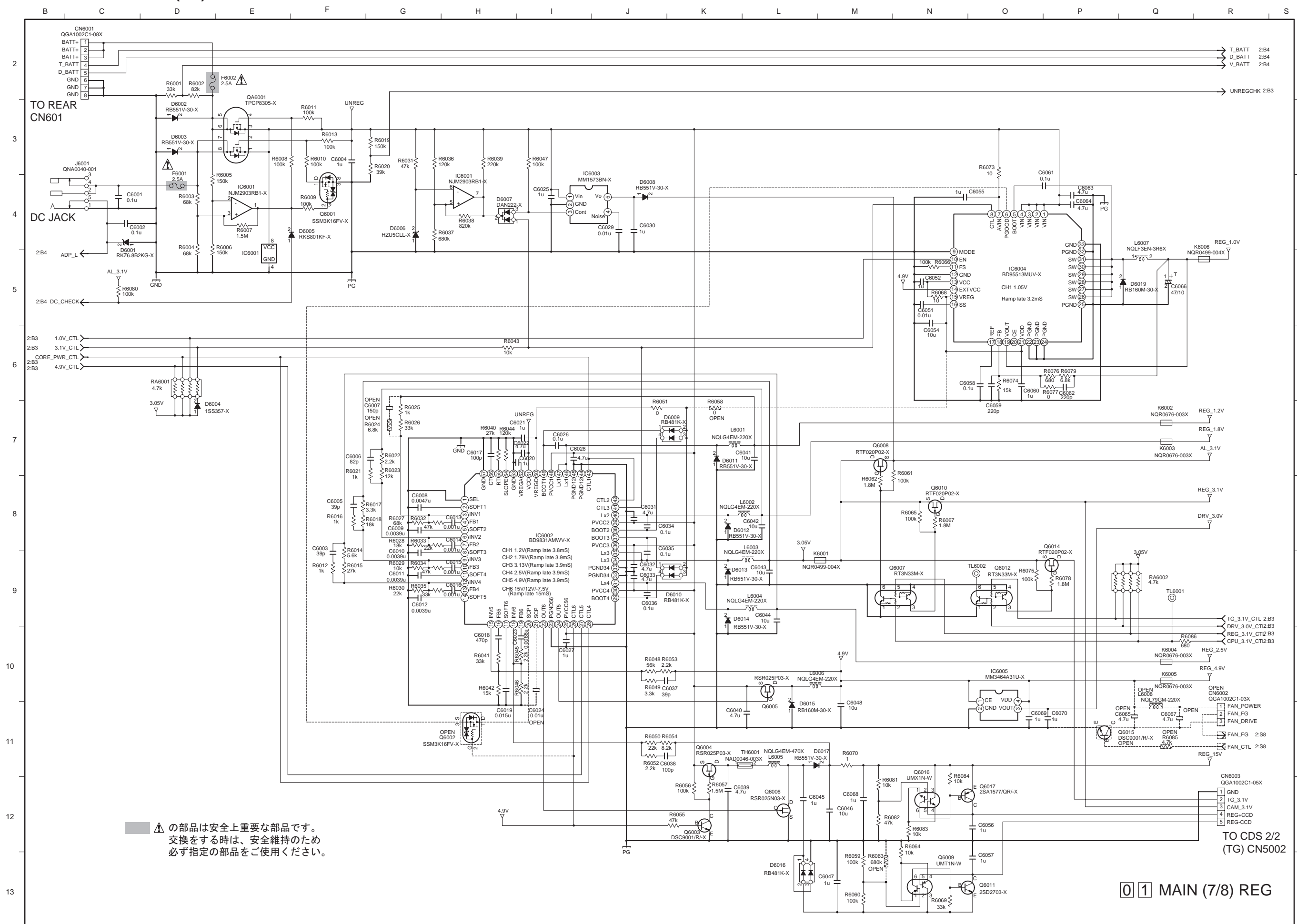
■ MAIN基板基準回路図 (5/8) MBE



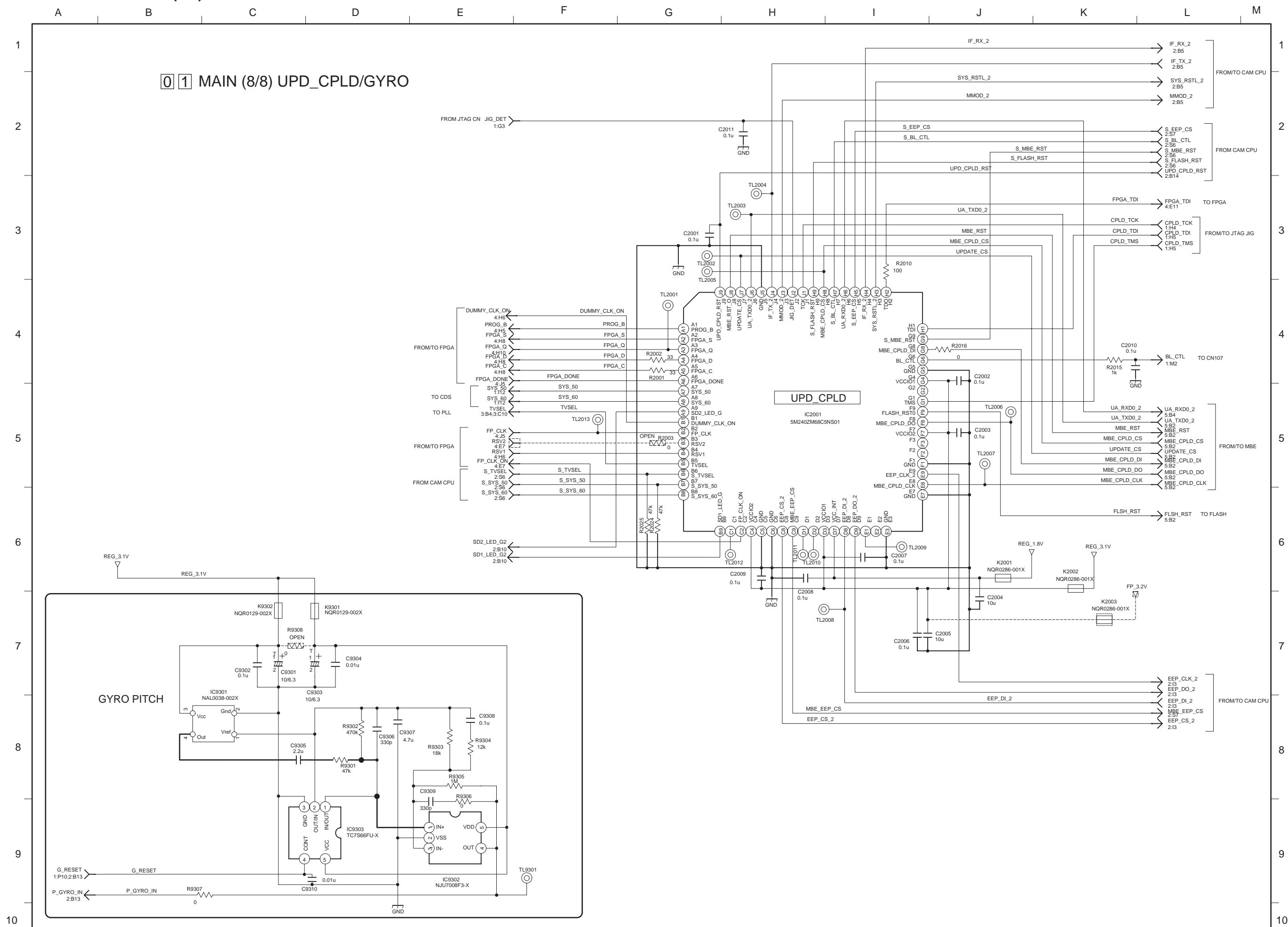
■ MAIN基板基準回路図 (6/8) HDMI



■ MAIN基板基準回路図 (7/8) REG

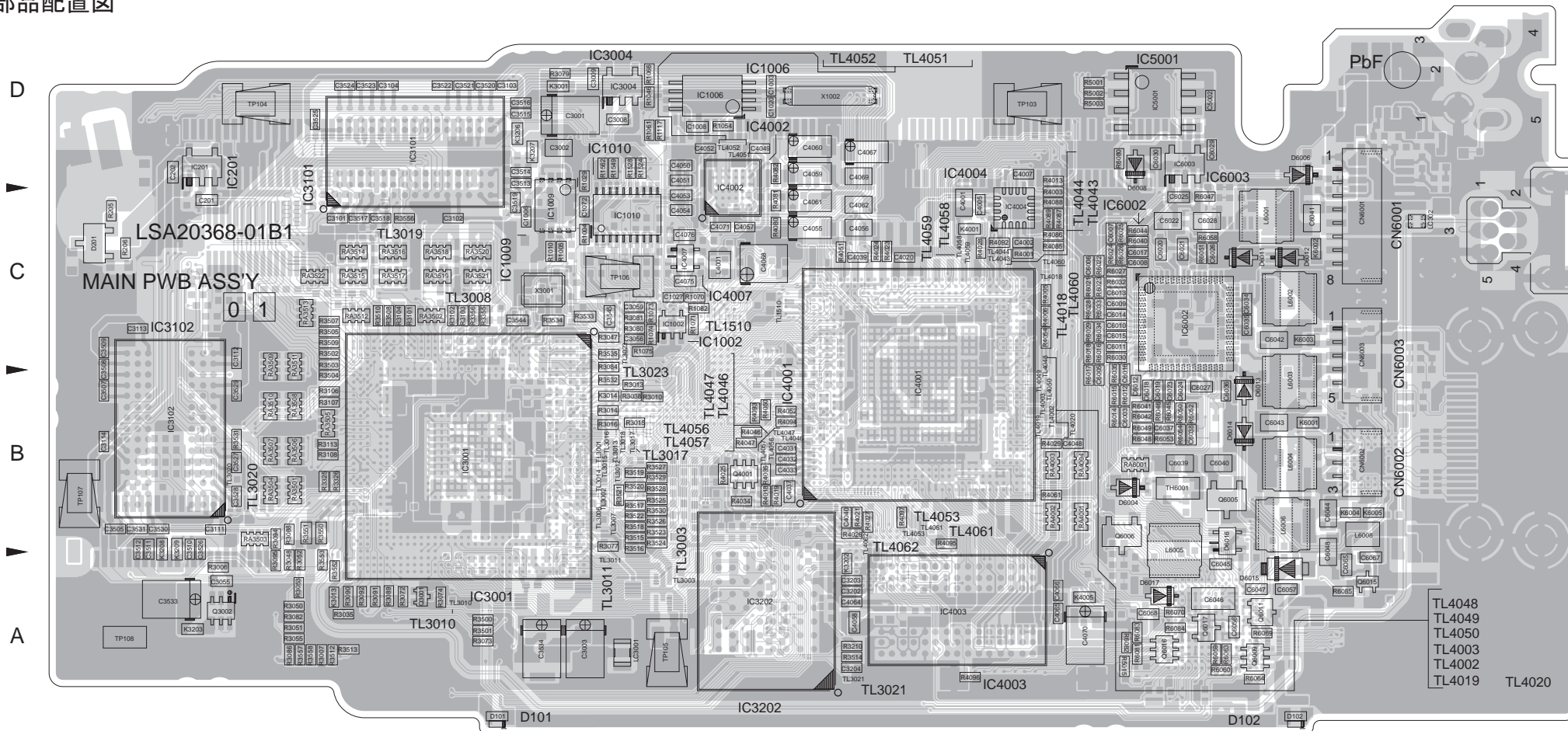


■ MAIN基板基準回路図 (8/8) UPD_CPLD/GYRO

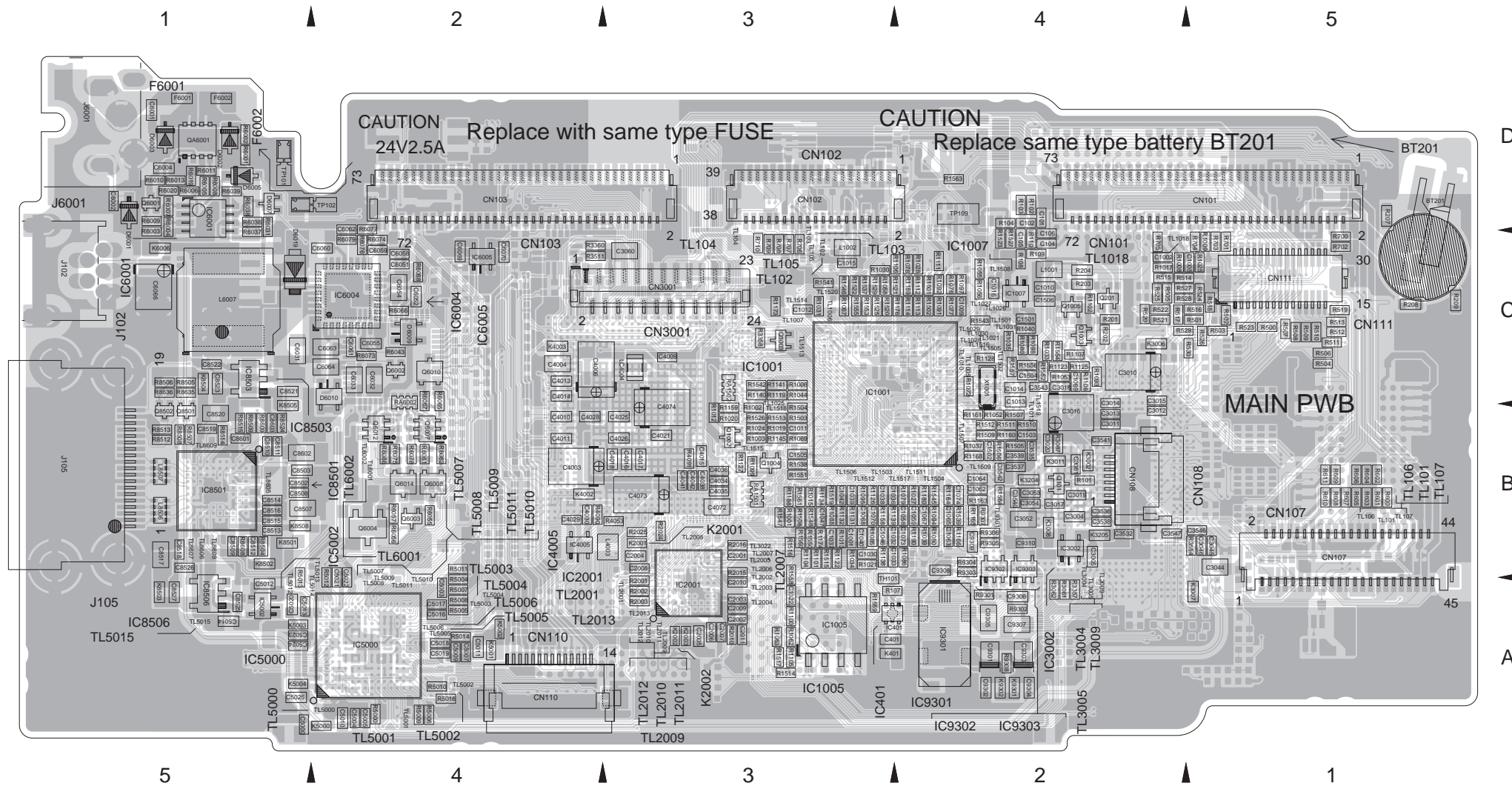


■ MAIN基板部品配置図

-- A面 --



-- B面 --



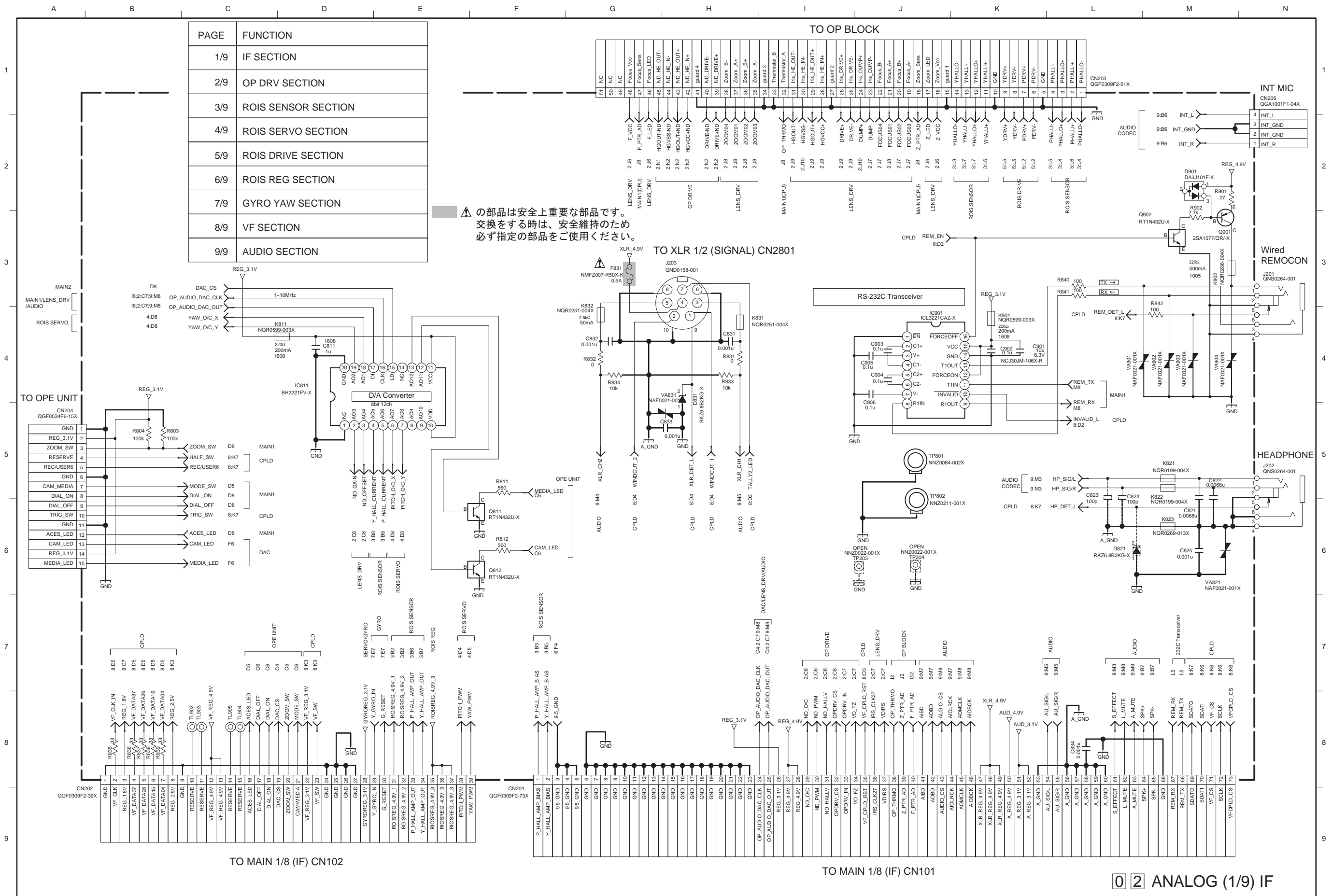
●基板上の部品配置アドレス表

アドレスは1区間の誤差がある場合があります。

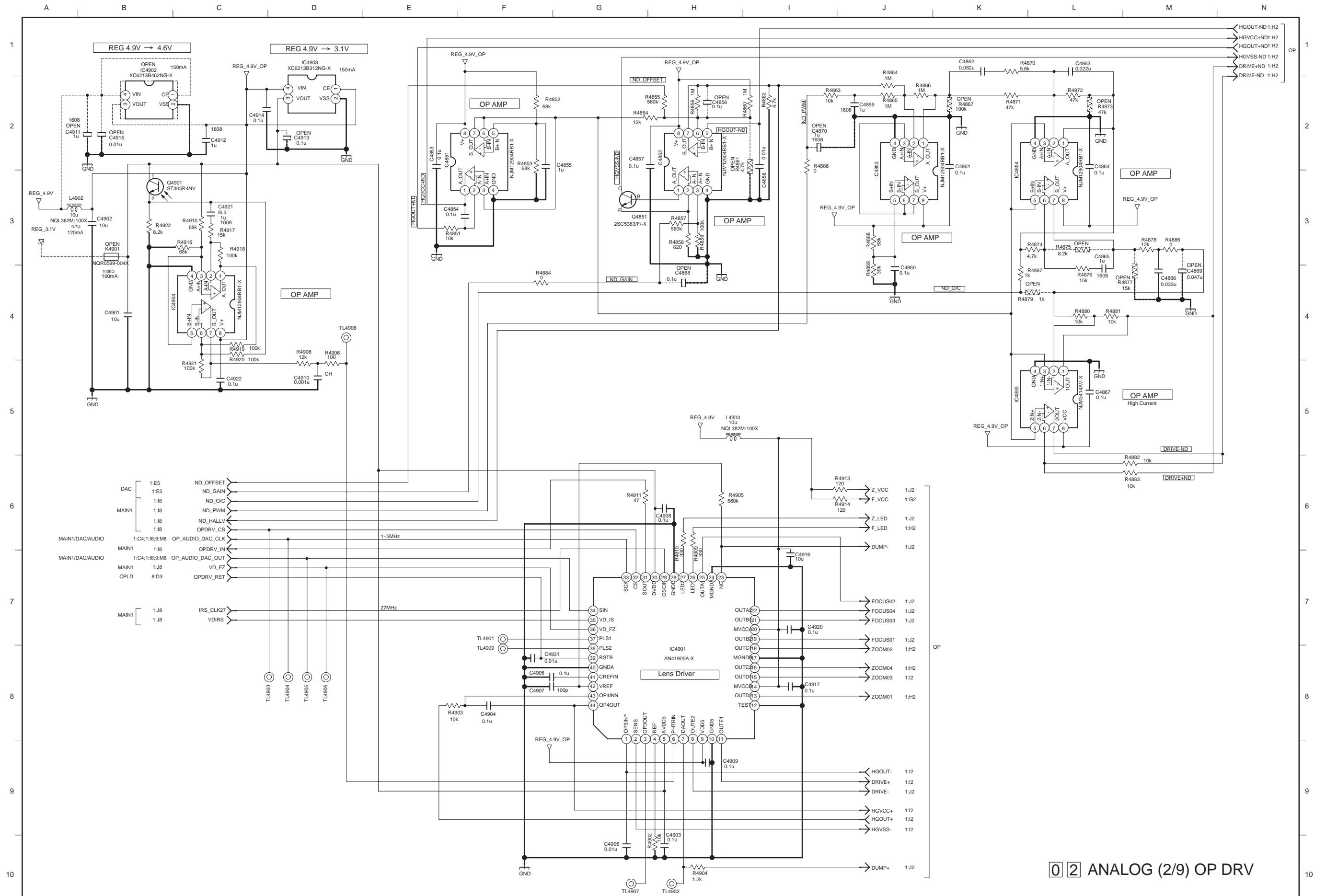


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IC	Q6012	B-4B	R511	B-1C	R1025	B-1C	R1113	B-2C	R1528	A-2D	R3084	A-2C	R3535	A-2C	R5009	B-4A	R6053	A-4B	RA3503	A-1B	C1040	B-3B	C3056	A-2C	C4004	B-4C	C5000	B-5A	C6039	A-4B	C9307	B-2A	K5001	B-4A			
IC201	A-1D	Q6014	B-4B	R512	B-1C	R1027	B-2B	R1114	B-2C	R1529	B-3C	R3086	A-1A	R3550	A-1B	R5010	B-4A	R6054	A-4B	RA3504	A-1B	C1042	B-3B	C3059	A-2C	C4005	A-4C	C5002	A-4D	C6040	A-4B	C9308	B-2B	K5002	B-4A		
IC401	B-3A	Q6015	A-5A	R513	B-1C	R1028	B-2C	R1117	A-2D	R1537	B-3C	R3087	B-2B	R3551	A-1B	R5011	B-4B	R6055	B-4B	RA3505	A-1B	C1046	B-3B	C3060	B-3C	C4006	B-4C	C5003	B-4A	C6041	A-5C	C9309	B-2B	K5003	B-5A		
IC1001	B-3C	Q6016	A-4A	R514	B-2C	R1029	A-2D	R1119	B-3C	R1538	B-3B	R3088	A-1B	R3552	A-1A	R5012	B-4B	R6056	B-4B	RA3506	A-1B	C1047	B-3B	C3061	B-2B	C4007	A-4D	C5004	B-4A	C6042	A-5C	C9310	B-2B	K5004	B-5A		
IC1002	A-3C	Q6017	A-4A	R515	B-2C	R1030	B-3C	R1122	B-3B	R1539	B-2B	R3089	A-2A	R3553	A-1A	R5013	B-5B	R6057	B-4B	RA3507	A-1B	C1058	B-2B	C3101	A-1C	C4009	B-3C	C5005	B-4A	C6043	A-5B			K6001	A-5B		
IC1005	B-3A	Q8501	B-5B	R516	B-1C	R1031	B-3C	R1123	B-2C	R1541	B-3C	R3090	A-1A	R3554	B-1B	R5014	B-4A	R6058	A-4C	RA3508	A-1B	C1059	B-2B	C3102	A-2C	C4010	B-4B	C5007	B-4A	C6044	A-5B	OTHER		K6002	A-5C		
IC1006	A-3D	Q8502	B-5B	R517	B-2C	R1033	B-2C	R1125	B-2C	R1542	B-3C	R3091	A-2A	R3555	A-1A	R5015	A-4A	R6059	A-4A	RA3509	A-1C	C1062	B-2B	C3103	A-2D	C4011	B-4B	C5009	B-4A	C6045	A-4A	X1001	B-2C	K6003	A-5C		
IC1007	B-2C			R518	B-1C	R1034	B-3B	R1126	B-3B	R1543	B-2C	R3092	A-2A	R3556	A-2C	R5016	B-4A	R6060	A-4A	RA3510	A-1B	C1063	B-2B	C3104	A-2D	C4013	B-4C	C5010	B-4A	C6046	A-4A	X1002	A-3D	K6004	A-5B		
IC1009	A-2C	DIODE		R519	B-1C	R1035	B-2C	R1127	B-3B	R1545	B-2B	R3094	A-1B	R3557	A-1A	R6001	B-5D	R6061	B-4B	RA3511	A-1C	C1064	B-2B	C3111	A-1B	C4014	B-4C	C5011	B-4A	C6047	A-4A	X3001	A-2C	K6005	A-5B		
IC1010	A-2C	D101	A-2A	R520	B-2C	R1037	B-2B	R1128	B-2C	R1546	B-3C	R3095	A-1A	R3558	A-1A	R6002	B-5D	R6062	B-4B	RA3512	A-2C	C1065	B-2B	C3112	A-1C	C4015	B-3B	C5012	B-5A	C6048	A-5B			K6006	B-5C		
IC2001	B-3A	D102	A-5A	R521	B-2C	R1039	B-2B	R1131	B-3B	R1547	B-3B	R3101	A-2C	R4001	A-4C	R6003	B-5C	R6063	A-4A	RA3513	A-1C	C1067	B-2B	C3113	A-1C	C4016	B-3B	C5013	B-5A	C6051	B-4C	TH101	B-3A	K8501	B-5B		
IC3001	A-2B	D201	A-1C	R522	B-2C	R1040	B-2C	R1132	B-3B	R1548	B-3B	R3102	A-2C	R4003	A-4C	R6004	B-5D	R6064	A-4A	RA3514	A-1C	C1068	B-3B	C3114	A-1B	C4017	B-3B	C5014	B-5A	C6052	B-4C	TH6001	A-4B	K8502	B-5B		
IC3002	B-2B	D6001	B-5D	R523	B-1C	R1044	B-3C	R1134	B-3B	R1549	A-2D	R3103	A-2C	R4005	A-4C	R6005	B-5D	R6065	B-4C	RA3515	A-1C	C1069	B-2C	C3202	A-3A	C4018	B-3B	C5016	B-4A	C6054	B-4C			K8503	B-5A		
IC3004	A-2D	D6002	B-5D	R524	B-1C	R1046	A-2D	R1138	B-3B	R1550	B-3B	R3104	A-2C	R4006	A-4C	R6006	B-5D	R6066	B-4C	RA3516	A-2C	C1070	B-3B	C3203	A-3A	C4020	A-3C	C5017	B-4A	C6055	B-4C	TP101	B-5D	K8504	B-5C		
IC3101	A-2D	D6003	B-5D	R525	B-2C	R1050	B-2B	R1139	B-3B	R1551	B-3B	R3105	A-1B	R4013	A-4D	R6007	B-5D	R6067	B-4C	RA3517	A-2C	C1072	A-2C	C3204	A-3A	C4021	B-3B	C5018	B-4A	C6056	B-4C	TP102	B-4D	K8505	B-5B		
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IC3202	A-3A	D6005	B-5D	R527	B-2C	R1053	B-2C	R1141	B-3C	R1553	B-3C	R3107	A-1B	R4019	A-3B	R6009	B-5D	R6069	A-4A	RA3519	A-2C	C1074	B-2B	C3507	A-1B	C4026	B-3B	C5020	B-5A	C6058	B-4C	TP104	A-1D	K9301	B-2A		
IC4001	A-3B	D6006	A-4B	R528	B-2C	R1054	A-3D	R1145	B-3B	R1554	B-2C	R3108	A-1B	R4021	A-3B	R6010	B-5D	R6070	A-4A	RA3520	A-2C	C1501	B-2C	C3508	A-1C	C4028	B-4B	C5021	B-4B	C6059	B-4C	TP105	A-3A	K9302	B-2A		
IC4002	A-3D	D6007	B-5D	R529	B-2C	R1055	B-2C	R1158	B-3B	R1555	B-3C	R3210	A-3A	R4023	A-3C	R6011	B-5D	R6073	B-4C	RA3521	A-2C	C1502	B-2B	C3509	A-1C	C4029	B-4B	C5022	B-4B	C6060	B-4C	TP106	A-2C				
IC4003	A-3A	D6008	A-4B	R530	B-1C	R1056	B-2C	R1159	B-3B	R1556	B-2C	R3325	A-1B	R4024	A-3C	R6012	A-4B	R6074	B-4C	RA3522	A-1C	C1503	B-2B	C3510	A-1B	C4030	B-4B	C5023	B-5A	C6061	B-4C	TP107	A-1B	LC302	A-5C		
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IC4005	B-4B	D6010	B-4C	R601	B-1B	R1061	A-2D	R1161	B-2B	R1558	B-3B	R3355	A-2C	R4026	A-3B	R6014	A-4B	R6076	B-4C	RA4002	A-4B	C1505	B-3B	C3512	A-1B	C4032	A-3B	C5025	B-5A	C6063	B-4C	TP109	B-2D	LC4004	B-3C		
IC4007	A-3C	D6011	A-4C	R602	B-1B	R1062	B-3A	R1163	B-2B	R1559	B-3A	R3356	A-2C	R4027	A-3B	R6015	A-4B	R6077	B-4D	RA4003	A-4B	C1506	B-2C	C3513	A-2D	C4033	A-3B	C6001	B-5D	C6064	B-4C						
IC5000	B-4A	D6012	A-5C	R603	B-1B	R1063	B-3A	R1164	B-2B	R1560	B-3B	R3357	B-2A	R4028	A-4C	R6016	A-4C	R6078	B-4B	RA4004	A-4B	C2001	B-3B	C3514	A-2D	C4034	B-3B	C6002	B-5D	C6065	A-5A	CN101	B-1D	BT201	B-1C		
IC5001	A-4D	D6013	A-4B	R604	B-1B	R1066	A-2D	R1165	B-2B	R1561	B-3B	R3358	B-3C	R4029	A-4B	R6017	A-4B	R6079	B-4C	RA6001	A-4B	C2002	B-3A	C3515	A-2D	C4035	B-3B	C6003	A-4B	C6066	B-5C	CN102	B-3D				
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IC6005	B-4C			R610	B-1B	R1073	A-2C	R1180	B-2B	R2003	B-3A	R3504	A-1B	R4051	A-3C	R6023	A-4C	R6085	A-5A	C104	B-2C	C2008	B-3B	C3521	A-2D	C4041	B-3B	C6009	A-4C	C8503	B-5B	CN3001	B-3C	J6001	B-5D		
IC8501	B-5B	RESISTOR		R611	B-1B	R1074	A-2C	R1188	B-3B	R2010	B-3A	R3505	A-1C	R4052	A-3B	R6024	A-4C	R6086	B-4B	C105	B-2C	C2009	B-3A	C3522	A-2D	C4042	B-3B	C6010	A-4C	C8507	B-5B	CN6001	A-5C				
IC8503	B-5C	R101	B-2B	R700	B-1C	R1075	A-2C	R1189	B-2C	R2015	B-3B	R3507	A-1C	R4053	B-3B	R6025	A-4C	R8504	B-5B	C106	B-2C	C2010	B-3A	C3523	A-2D	C4048	A-4B	C6011	A-4C	C8508	B-5B	CN6002	A-5B	L1001	B-2C		
IC8506	B-5A	R102	B-2D	R701	B-1C	R1076	B-2C	R1190	B-2B	R2016	B-3B	R3508	A-2C	R4054	A-4C	R6026	A-4C	R8505	B-5C	C201	A-1C	C2011	B-3A	C3524	A-1D	C4049	A-3D	C6012	A-4B	C8509	B-5B	CN6003	A-5C	L1002	B-3C		
IC9301	B-2A	R103	B-2D	R702	B-1C	R1077	B-2C	R1501	B-2C	R2024	B-3B	R3509	A-1C	R4061	A-4B	R6027	A-4C	R8506	B-5C	C202	A-1D	C3001	A-2D	C3525	A-1D	C4050	A-3D	C6013	A-4C	C8510	B-5B	L4001	A-3C				
IC9302	B-2B	R104	B-2D	R703	B-1C	R1078	B-2C	R1502	B-2C	R2025	B-3B	R3510	A-2C	R4080	A-3C	R6028	A-4C	R8507	B-5B	C401	B-3A	C3002	A-2D	C3526	A-1B	C4051	A-3D	C6014	A-4C	C8511	B-5B	K401	B-3A	L4003	B-3B		
IC9303	B-2B	R107	B-3A	R704	B-1C	R1079	B-2B	R1503	B-3B	R3006	A-1A	R3511	B-4C	R4081	A-3C	R6029	A-4C	R8508	B-5B	C1001	B-3B	C3003	A-2A	C3527	A-1B	C4052	A-3D	C6015	A-4C	C8512	B-5B	K2001	B-3B	L6001	A-4C		
		R108	B-2C	R705	B-2C	R1080	B-2C	R1504	B-3B	R3007	A-1A	R3512	A-1A	R4082	A-3D	R6030	A-4C	R8509	B-5B	C1002	B-2C	C3004	B-2B	C3528	A-1B	C4053	A-3C	C6016	A-4B	C8513	B-5B	K2002	B-3A	L6002	A-5C		
TRANSISTOR		R109	B-2C	R706	B-3C	R1082	A-3C	R1505	B-2B	R3010	A-2B	R3513	A-1A	R4085	A-4C	R6031	B-5D	R8512	B-5B	C1003	A-3D	C3005	B-2B	C3529	A-1B	C4054	A-3C	C6017	A-4C	C8514	B-5B	K2003	B-3A	L6003	A-5B		
Q101	B-2B	R110	B-2C	R707	B-3C	R1085	B-3B	R1506	B-2B	R3013	A-2B	R3514	A-3A																								

■ ANALOG基板基準回路図 (1/9) IF

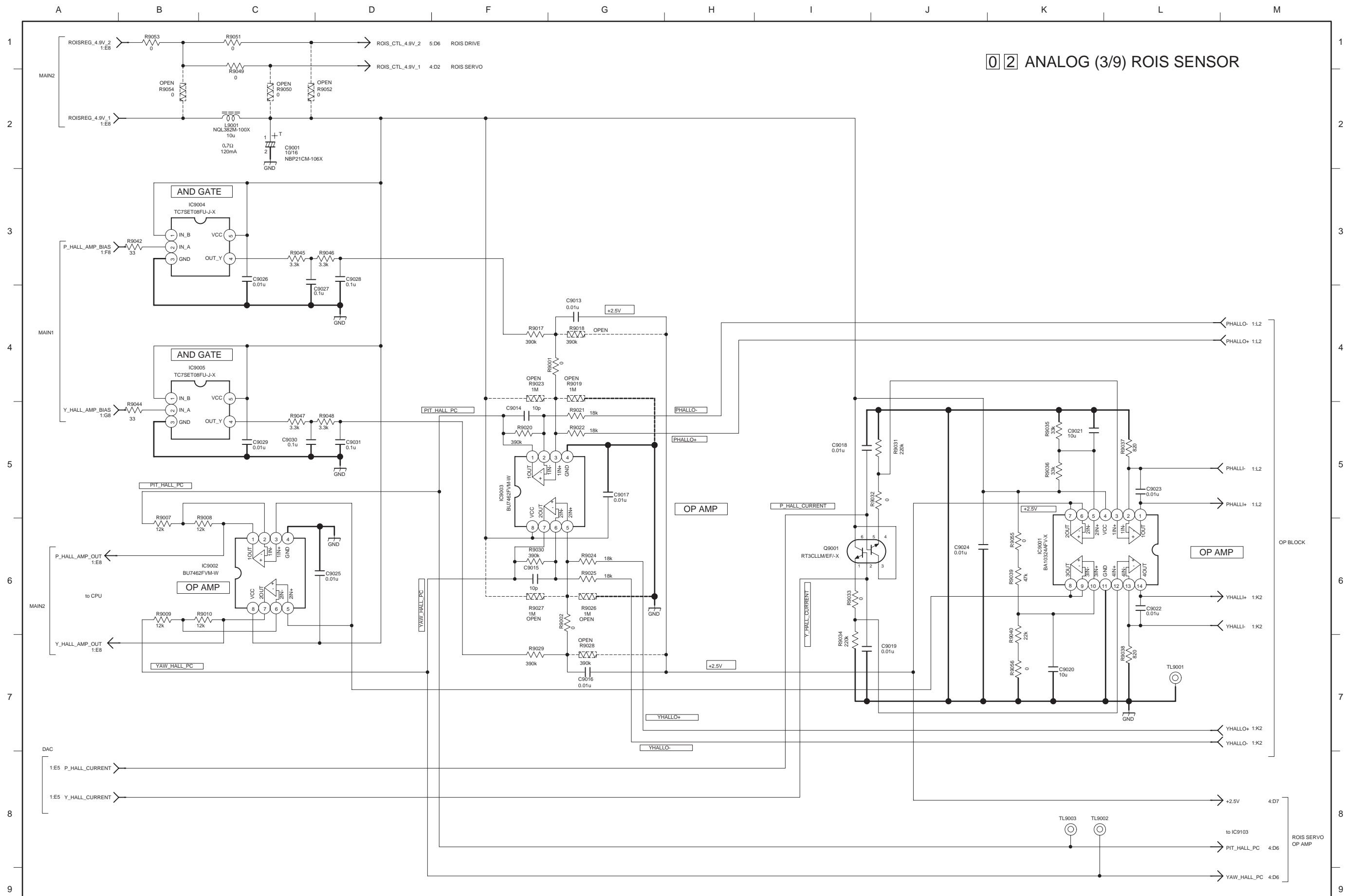


ANALOG基板基準回路図 (2/9) OP DRV

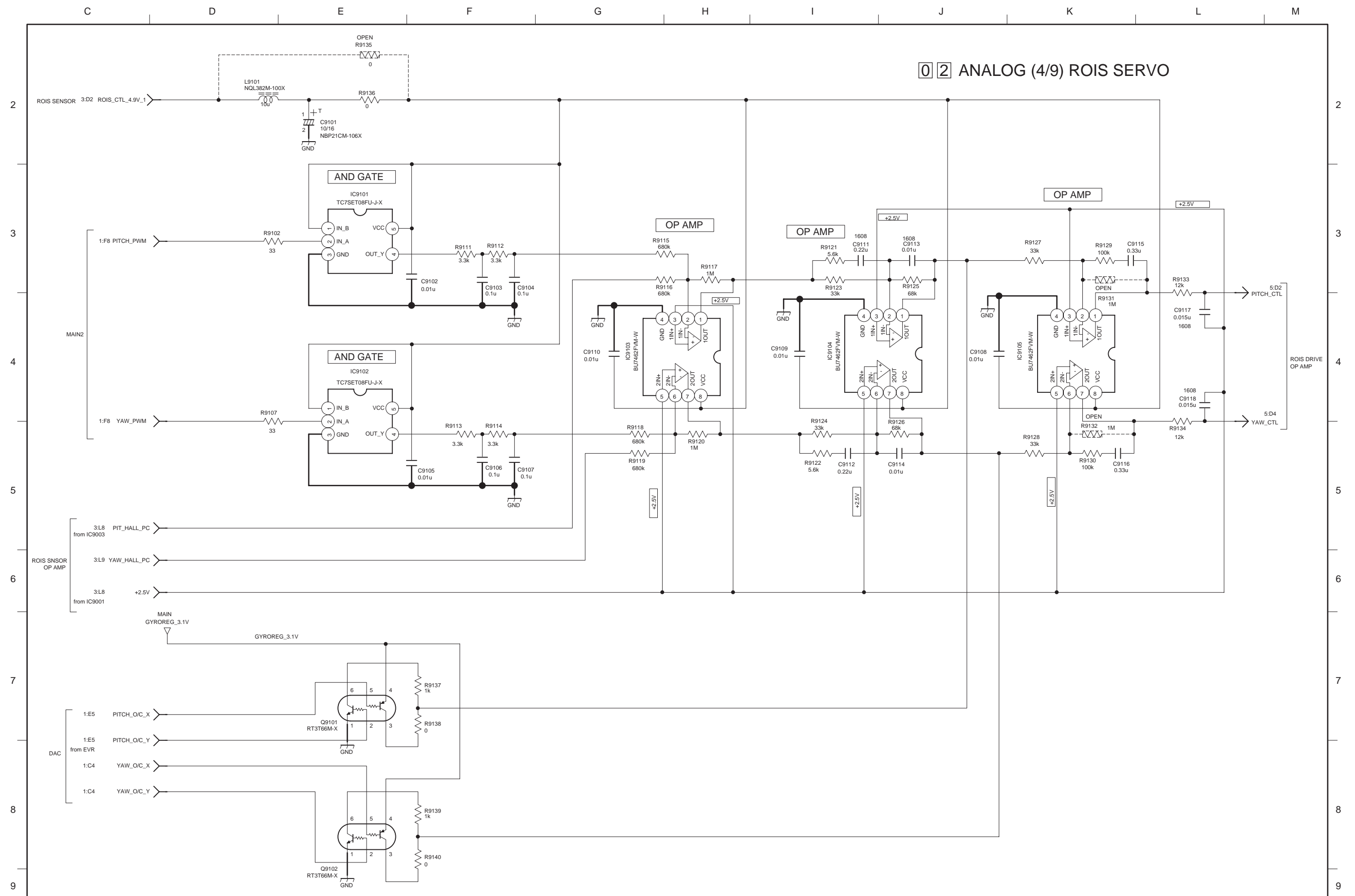


02 ANALOG (2/9) OP DRV

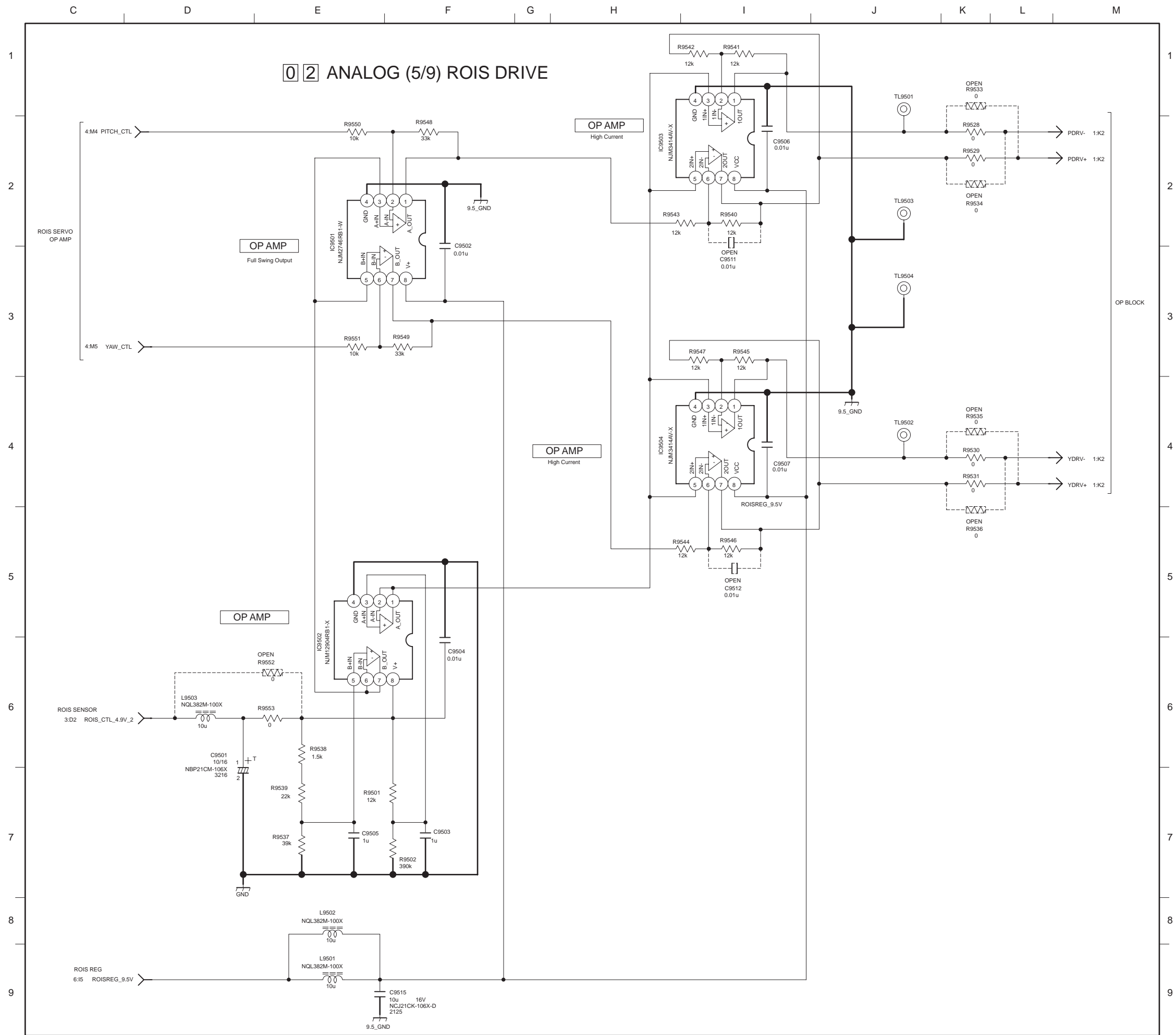
ANALOG基板基準回路図 (3/9) ROIS SENSOR



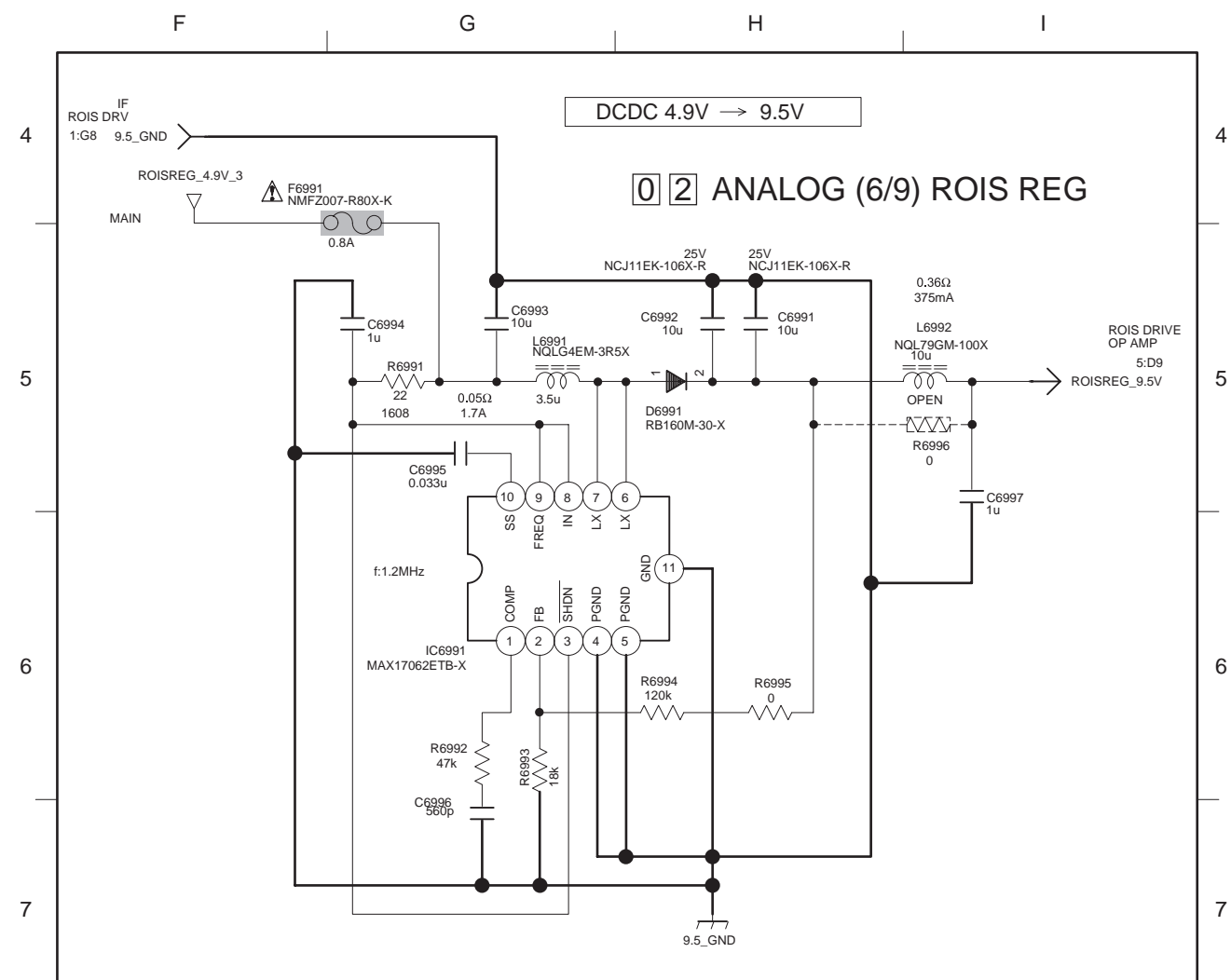
ANALOG基板基準回路図 (4/9) ROIS SERVO



ANALOG基板基準回路図 (5/9) ROIS DRIVE

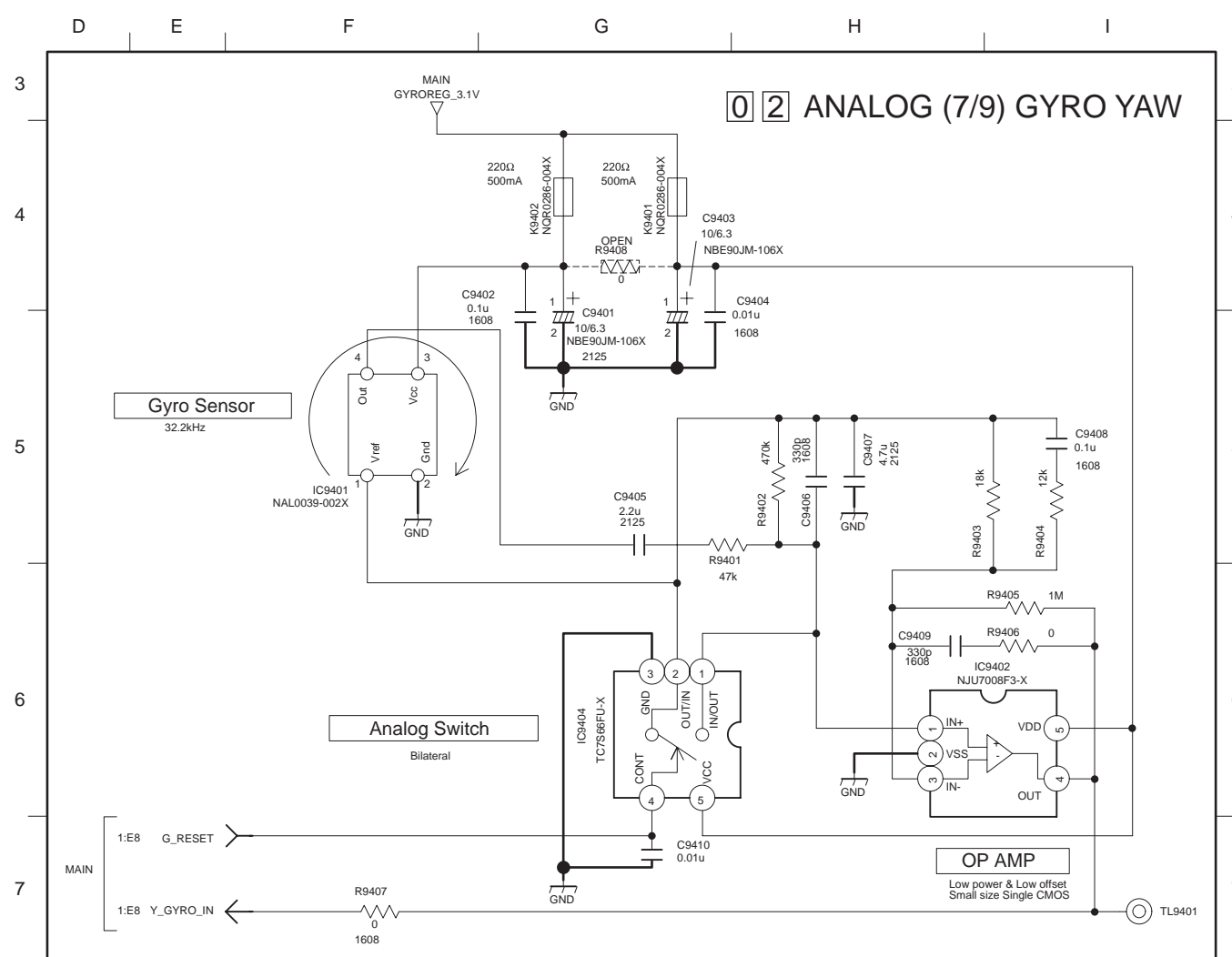


■ ANALOG基板基準回路図 (6/9) ROIS REG

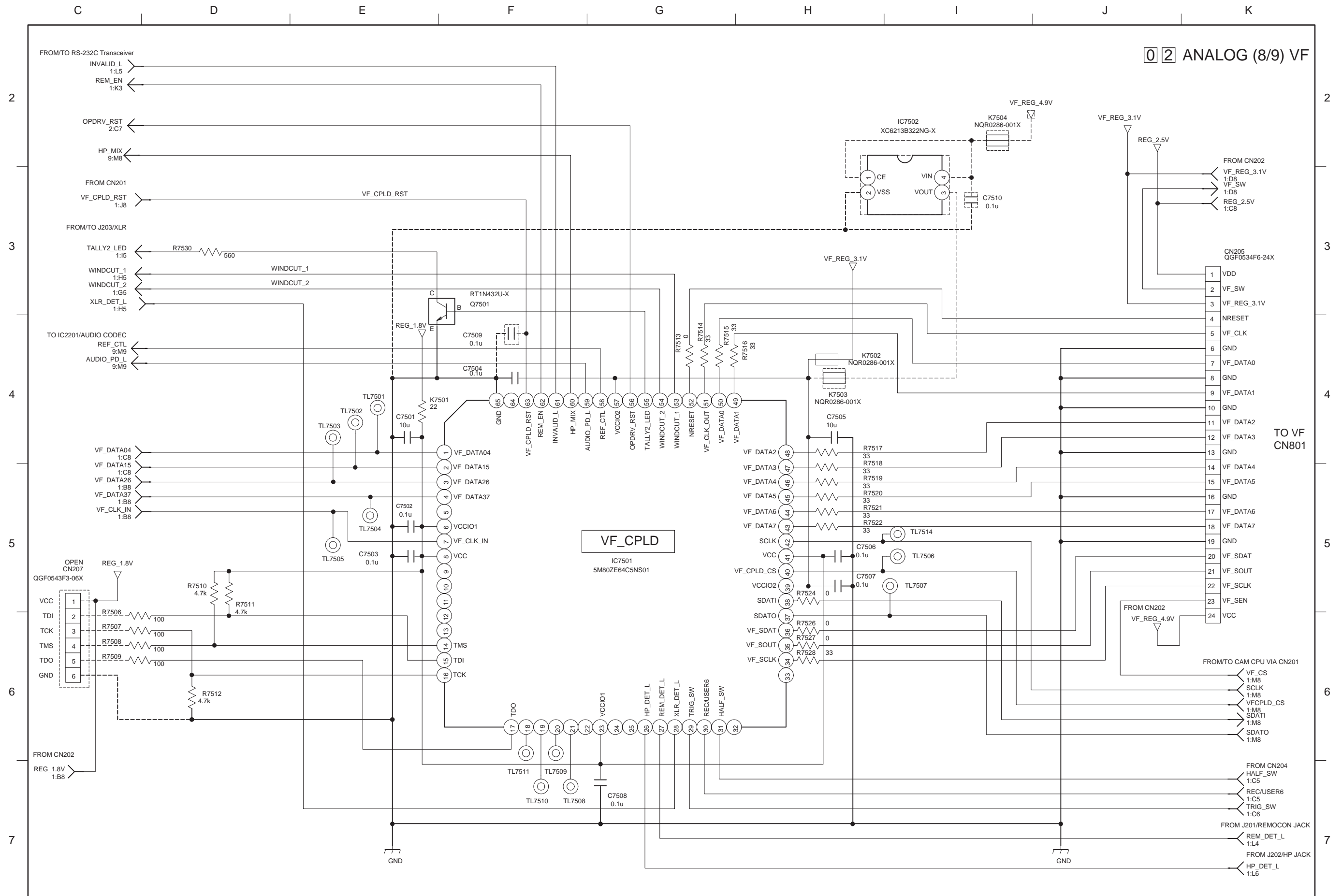


▲ の部品は安全上重要な部品です。
交換をする時は、安全維持のため
必ず指定の部品をご使用ください。

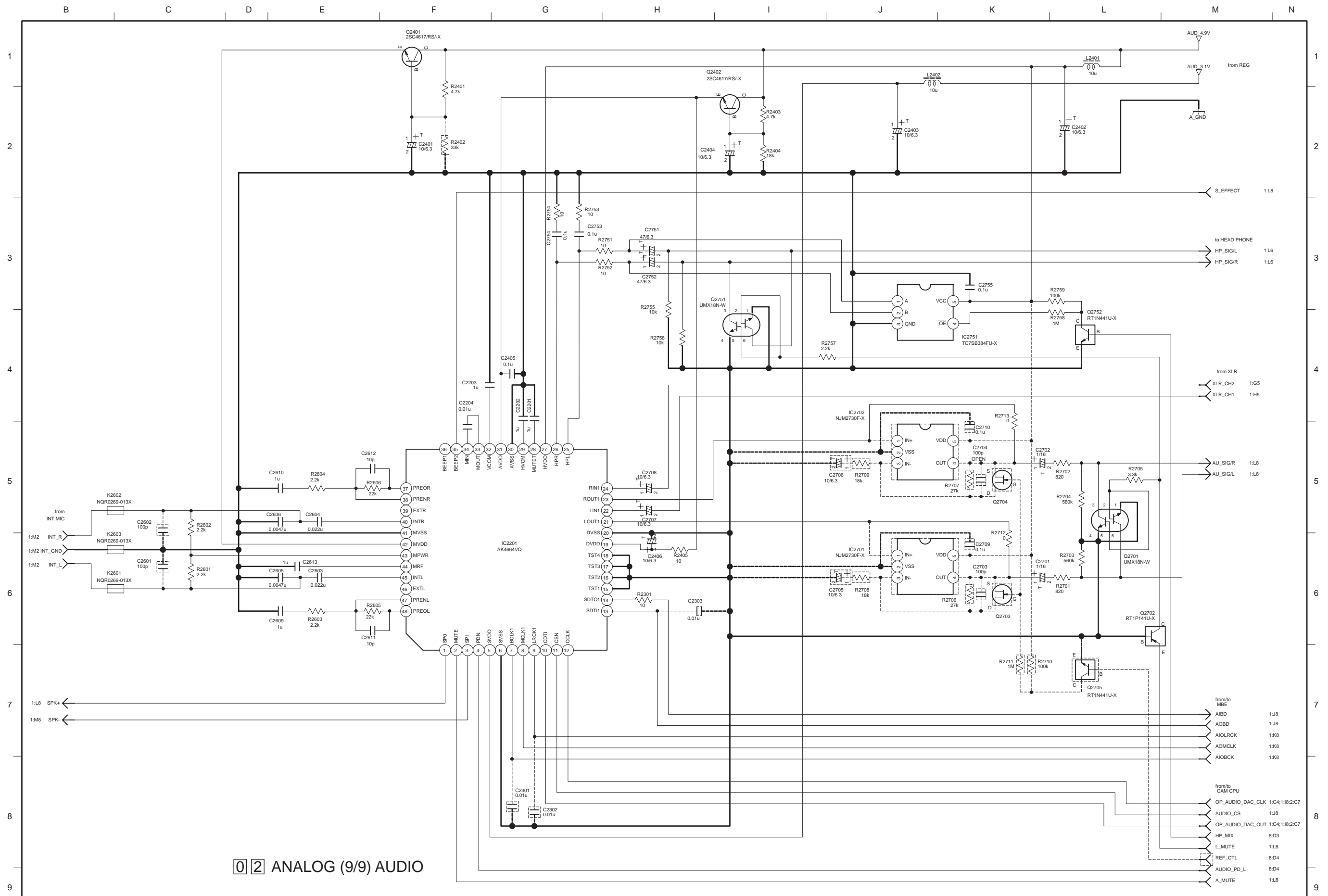
■ ANALOG基板基準回路図 (7/9) GYRO YAW



■ ANALOG基板基準回路図 (8/9) VF

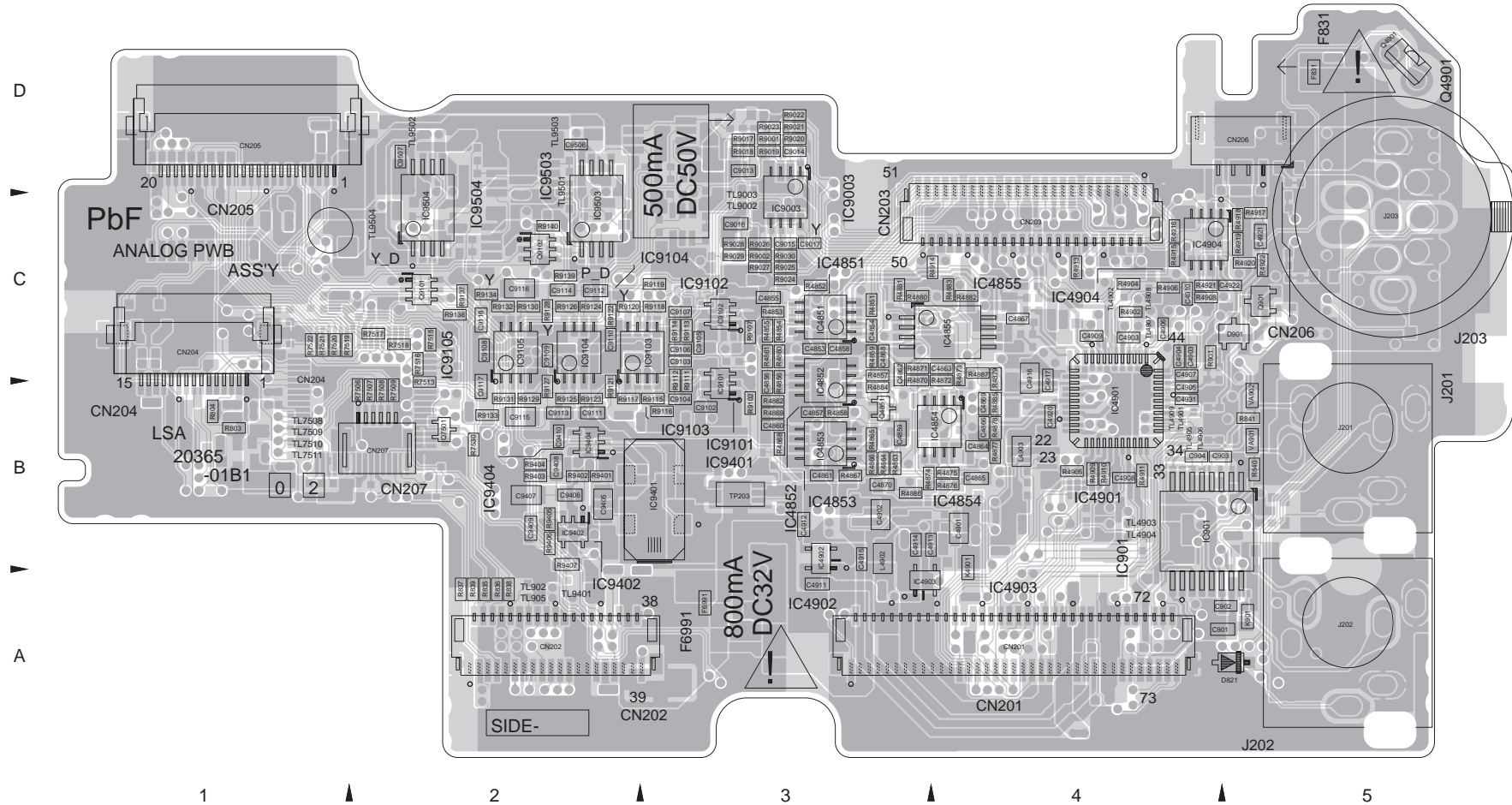


■ ANALOG基板基準回路図 (9/9) AUDIO

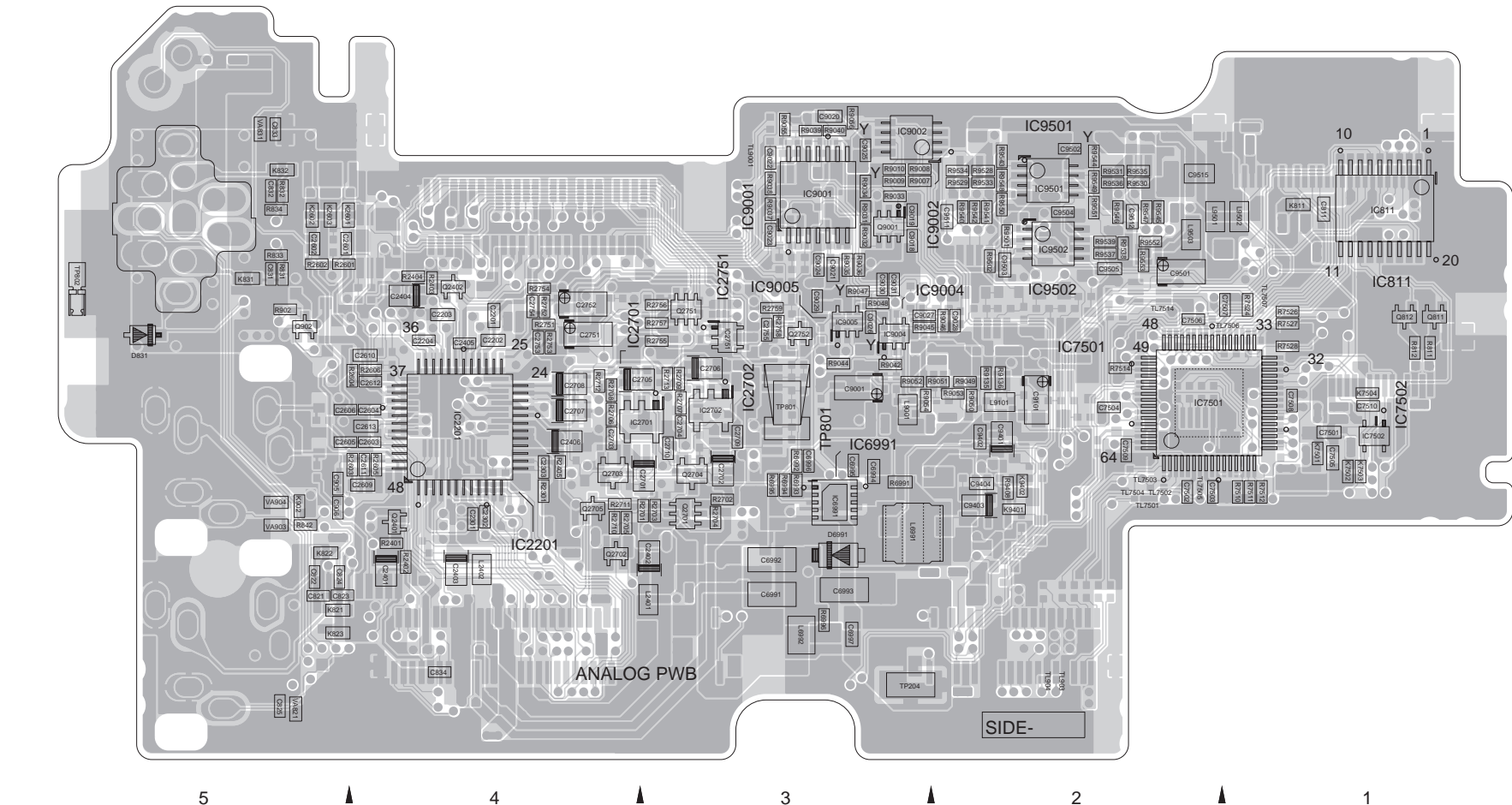


ANALOG基板部品配置図

--- A面 ---



--- B面 ---



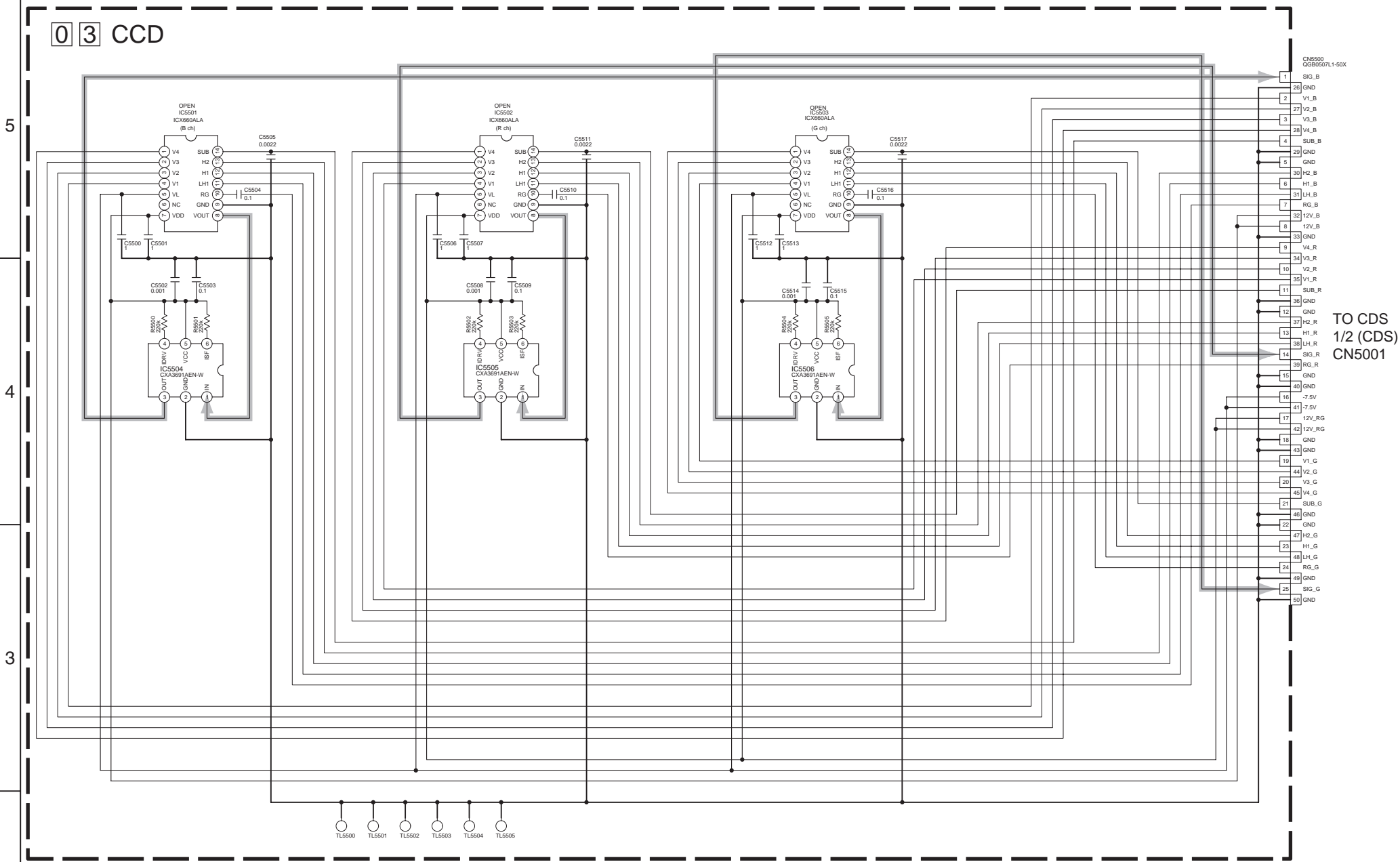
● 基板上的部品配置アドレス表
アドレスは1区間の誤差があります。

A-1C
Side Y axis
X axis

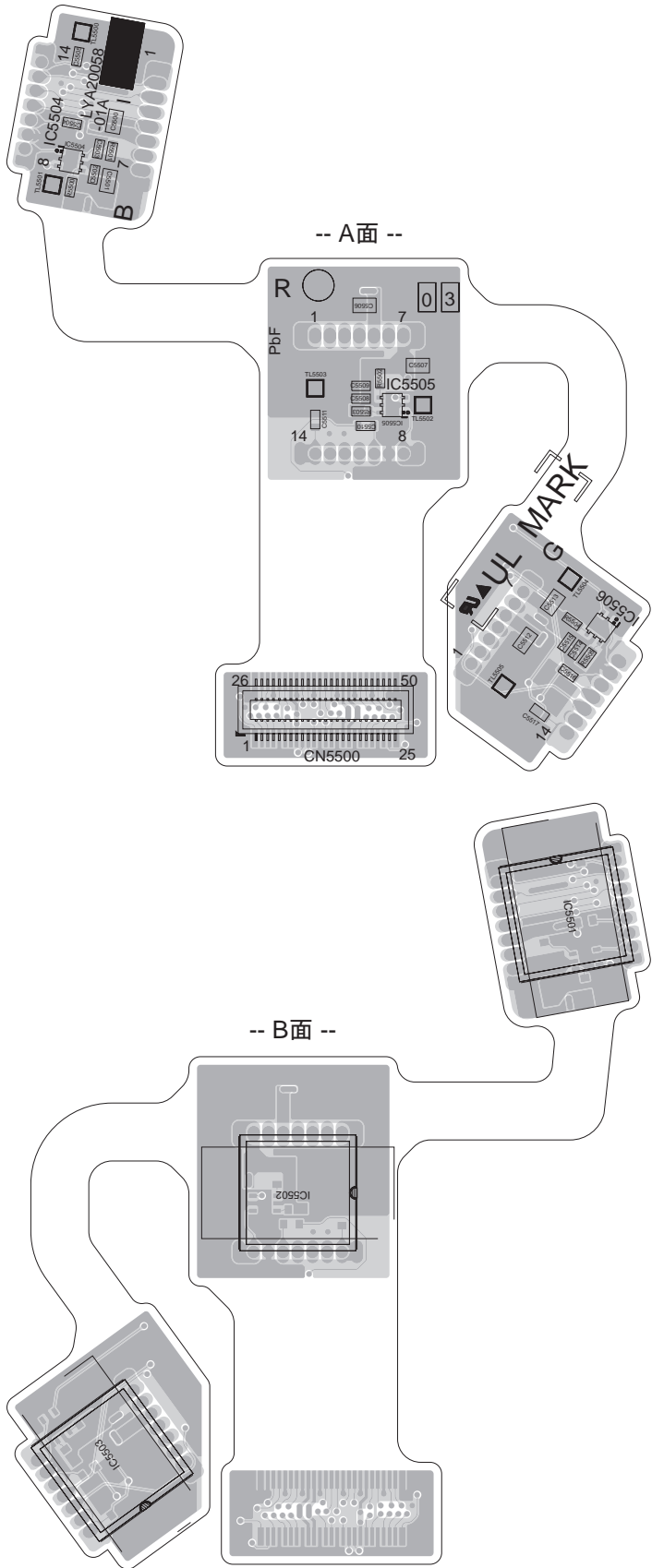
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IC811	B-1C	R2605	B-4B	R7512	B-1B	R9401	A-2C	C2755	B-3C	C9116	A-2C
IC901	A-4B	R2606	B-4C	R7513	A-2B	R9402	A-2B	C4853	A-3C	C9117	A-2B
IC2201	B-4B	R2701	B-3B	R7514	B-2C	R9403	A-2B	C4854	A-3C	C9118	A-2C
IC2701	B-3B	R2702	B-3B	R7515	A-2C	R9404	A-2B	C4855	A-3C	C9402	B-2B
IC2702	B-3B	R2703	B-3B	R7516	A-2C	R9405	A-2B	C4856	A-3B	C9403	B-2B
IC2751	B-3C	R2704	B-3B	R7517	A-2C	R9406	A-2B	C4857	A-3B	C9404	B-2B
IC4851	A-3C	R2705	B-4B	R7518	A-2C	R9407	A-2B	C4858	A-3B	C9405	A-2B
IC4852	A-3B	R2706	B-4B	R7519	A-1C	R9408	B-2B	C4859	A-3B	C9406	A-2B
IC4853	A-3B	R2707	B-3B	R7520	A-1C	R9501	B-2C	C4860	A-3B	C9407	A-2B
IC4854	A-4B	R2708	B-4B	R7521	A-1C	R9502	B-2C	C4861	A-3B	C9408	A-2B
IC4855	A-4C	R2709	B-3C	R7522	A-1C	R9528	B-2C	C4862	A-3B	C9409	A-2B
IC4901	A-4B	R2710	B-4B	R7524	B-1C	R9529	B-2D	C4863	A-3B	C9410	A-2B
IC4902	A-3B	R2711	B-4B	R7526	B-1C	R9530	B-2D	C4864	A-3B	C9501	B-2C
IC4903	A-3A	R2712	B-4C	R7527	B-1C	R9531	B-2D	C4865	A-3B	C9502	B-2C
IC4904	A-4C	R2713	B-3C	R7528	B-1C	R9533	B-2D	C4866	A-3B	C9503	B-2C
IC6991	B-3B	R2751	B-4C	R7530	A-2B	R9534	B-2D	C4867	A-3B	C9504	B-2C
IC7501	B-2B	R2752	B-4C	R9001	A-3D	R9535	B-2D	C4868	A-3B	C9505	B-2C
IC7502	B-1B	R2753	B-4C	R9002	A-3C	R9536	B-2D	C4869	A-3B	C9506	A-2D
IC9001	B-3C	R2754	B-4C	R9007	B-3D	R9537	B-2C	C4870	A-3B	C9507	A-2D
IC9002	B-3D	R2755	B-3C	R9008	B-3D	R9538	B-2C	C4871	A-3B	C9508	A-2D
IC9003	A-3C	R2756	B-3C	R9009	B-3D	R9539	B-2C	C4872	A-3B	C9509	A-2D
IC9004	B-3C	R2757	B-3C	R9010	B-3D	R9540	B-2C	C4873	A-3B	C9510	A-2D
IC9005	B-3C	R2758	B-3C	R9017	A-3D	R9541	B-2C	C4874	A-3B	C9511	B-2C
IC9101	A-3B	R2759	B-3C	R9018	A-3D	R9542	B-2C	C4875	A-3B	C9512	B-2C
IC9102	A-3C	R4851	A-3C	R9019	A-3D	R9543	B-2C	C4876	A-3B	C9513	B-2C
IC9103	A-3C	R4852	A-3C	R9020	A-3D	R9544	B-2C	C4877	A-3B	C9514	B-2C
IC9104	A-2C	R4853	A-3C	R9021	A-3D	R9545	B-2C	C4878	A-3B	C9515	B-2D
IC9105	A-2C	R4854	A-3C	R9022	A-3D	R9546	B-2C	C4879	A-3B		
IC9401	A-3B	R4855	A-3C	R9023	A-3D	R9547	B-2C	C4880	A-3B		
IC9402	A-2B	R4856	A-3B	R9024	A-3C	R9548	B-2D	C4881	A-3B		
IC9404	A-2B	R4857	A-3C	R9025	A-3C	R9549	B-2D	C4882	A-3B		
IC9501	B-2D	R4858	A-3B	R9026	A-3C	R9550	B-2C	C4883	A-3B		
IC9502	B-2C	R4859	A-3C	R9027	A-3C	R9551	B-2C	C4884	A-3B		
IC9503	A-2C	R4860	A-3C	R9028	A-3C	R9552	B-2C	C4885	A-3B		
IC9504	A-2C	R4861	A-3C	R9029	A-3C	R9553	B-2C	C4886	A-3B		
		R4862	A-3B	R9030	A-3C			C4887	A-3B		
		R4863	A-3B	R9031	B-3C			C4888	A-3B		
		R4864	A-3B	R9032	B-3C			C4889	A-3B		
		R4865	A-3B	R9033	B-3C			C4890	A-3B		
		R4866	A-3B	R9034	B-3D			C4891	A-3B		
		R4867	A-3B	R9035	B-3C			C4892	A-3B		
		R4868	A-3B	R9036	B-3C			C4893	A-3B		
		R4869	A-3B	R9037	B-3C			C4894	A-3B		
		R4870	A-3C	R9038	B-3D			C4895	A-3B		
		R4871	A-3C	R9039	B-3D			C4896	A-3B		
		R4872	A-4C	R9040	B-3D			C4897	A-3B		
		R4873	A-4C	R9042	B-3C			C4898	A-3B		
		R4874	A-4B	R9044	B-3C			C4899	A-3B		
		R4875	A-4B	R9045	B-3C			C4900	A-3B		
		R4876	A-4B	R9046	B-2C			C4901	A-3B		
		R4877	A-4B	R9047	B-3C			C4902	A-3B		
		R4878	A-4B	R9048	B-3C			C4903	A-3B		
		R4879	A-4C	R9049	B-2C			C4904	A-3B		
		R4880	A-3C	R9050	B-2B			C4905	A-3B		
		R4881	A-3C	R9051	B-2C			C4906	A-3B		
		R4882	A-4C	R9052	B-3C			C4907	A-3B		
		R4883	A-4C	R9053	B-2B			C4908	A-3B		
		R4884	A-3B	R9054	B-3B			C4909	A-3B		
		R4885	A-4B	R9055	B-3D			C4910	A-3B		
		R4886	A-3B	R9056	B-3D			C4911	A-3B		
		R4887	A-4C	R9102	A-3B			C4912	A-3B		
		R4902	A-4C	R9107	A-3C			C4913	A-3B		
		R4903	A-4C	R9111	A-3C			C4914	A-3B		
		R4904	A-4C	R9112	A-3C			C4915	A-3B		
		R4905	A-4B	R9113	A-3C			C4916	A-3B		
		R4906	A-4C	R9114	A-3C			C4917	A-3B		
		R4908	A-4C	R9115	A-3B			C4918	A-3B		
		R4909	A-4B	R9116	A-3B			C4919	A-3B		
		R4910	A-4B	R9117	A-2B			C4920	A-3B		
		R4911	A-4B	R9118	A-3C			C4921	A-3B		
		R4913	A-4C	R9119	A-3C			C4922	A-3B		
		R4914	A-4C	R9120	A-2C			C4923	A-3B		
		R4915	A-4C	R9121	A-2B			C4924	A-3B		
		R4916	A-4C	R9122	A-2C			C4925	A-3B		
		R4917	A-5C	R9123	A-2B			C4926	A-3B		
		R4918	A-5C	R9124	A-2C			C4927	A-3B		
		R4919	A-5C	R9125	A-2B			C4928	A-3B		
		R4920	A-5C	R9126	A-2C			C4929	A-3B		
		R4921	A-4C	R9127	A-2B			C4930	A-3B		
		R4922	A-5C	R9128	A-2C			C4931	A-3B		
		R9091	B-3B	R9129	A-2B			C4932	A-3B		
		R9092	B-5C	R9130	A-2C			C4933	A-3B		
		R9093	B-3B	R9131	A-2B			C4934	A-3B		
		R9094	B-3B	R9132	A-2C			C4935	A-3B		
		R9095	B-3B	R9133	A-2B			C4936	A-3B		
		R9096	B-3A	R9134	A-2C			C4937	A-3B		
		R7506	A-2B	R9135	B-2C			C4938	A-3B		
		R7507	A-2B	R9136	B-2C			C4939	A-3B		
		R7508	A-2B	R9137	A-2C			C4940	A-3B		
		R7509	A-2B	R9138	A-2C			C4941	A-3B		
		R7510	B-1B	R9139	A-2C			C4942	A-3B		

■ CCD基板基準回路図

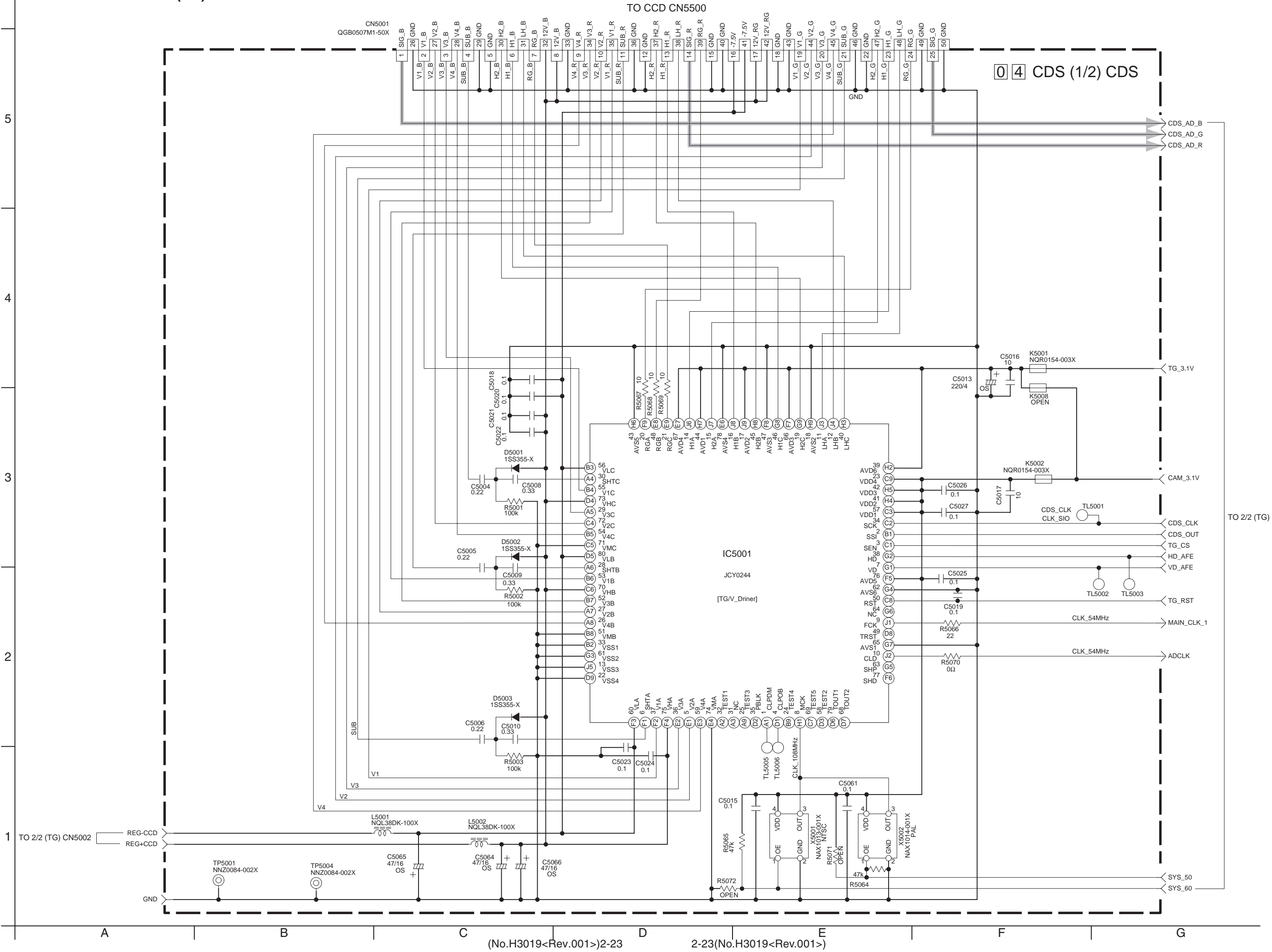
■ CCD基板部品配置図



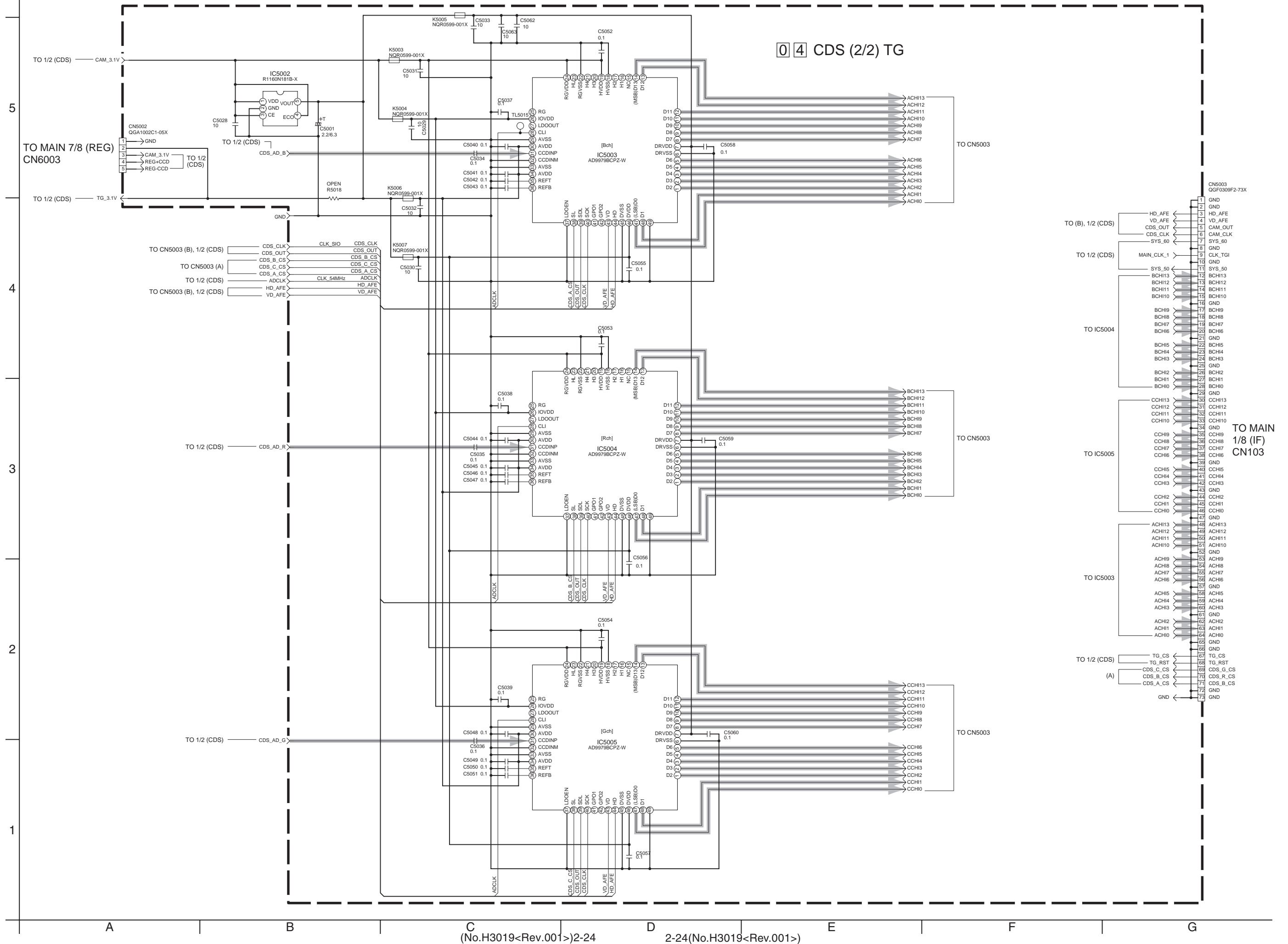
注意：IC5501,IC5502,IC5503はプリズム組立に組み込まれております。IC5501,IC5502,IC5503の交換が必要な場合は、プリズム組立全体を交換してください。



■ CDS基板基準回路図 (1/2) CDS

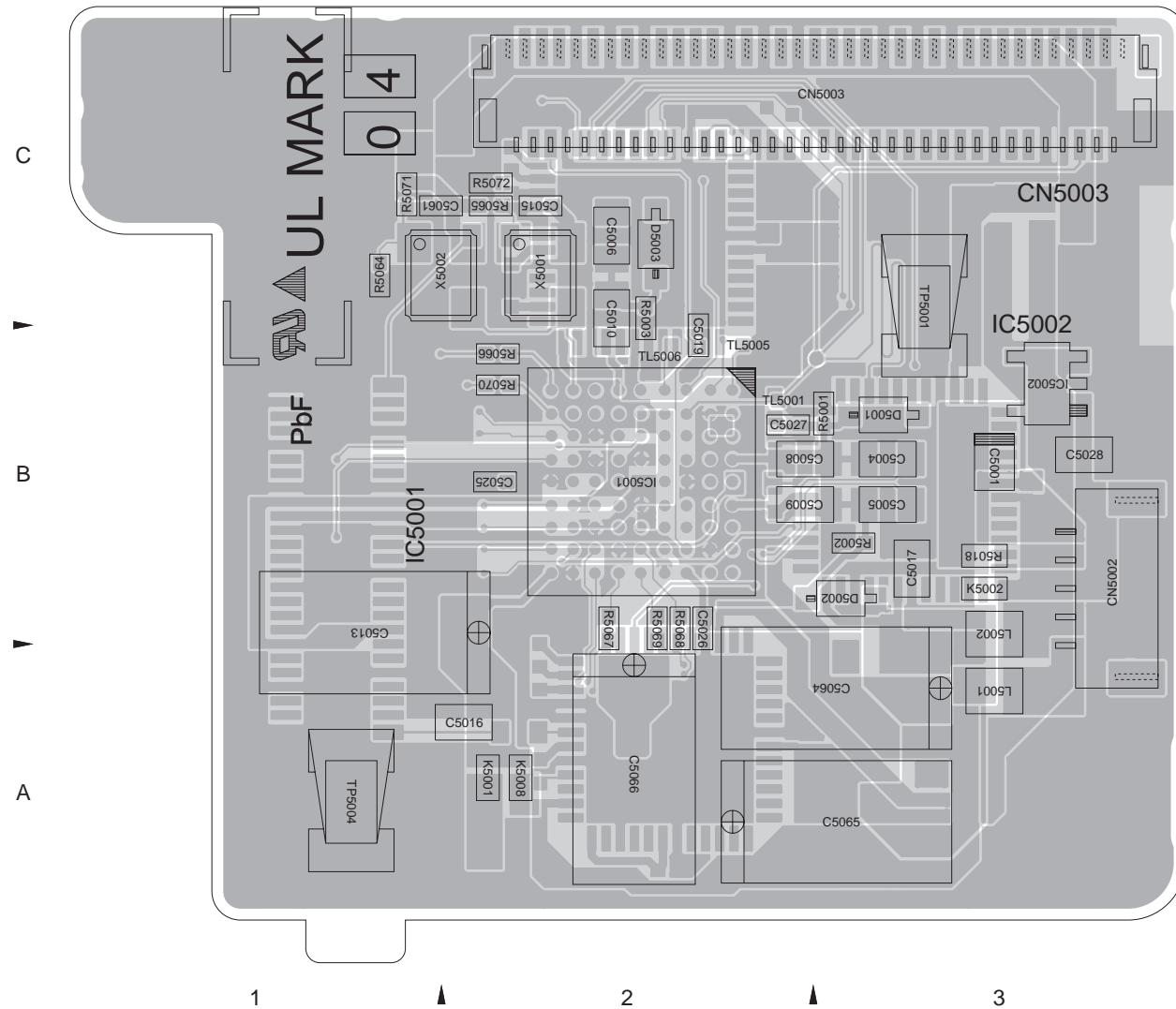


■ CDS基板基準回路図 (2/2) TG

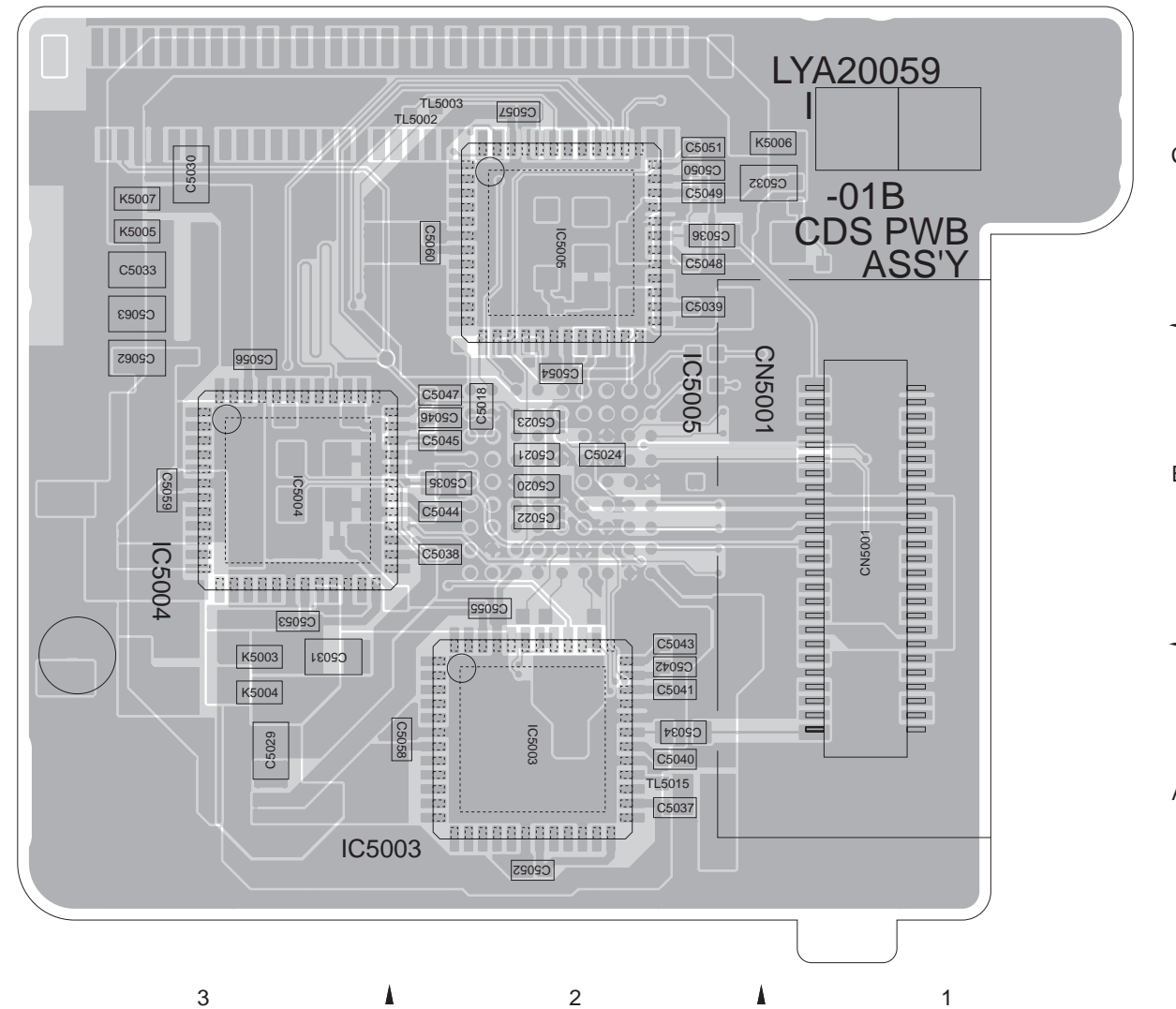


■ CDS基板部品配置図

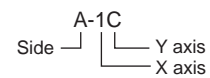
-- A面 --



-- B面 --

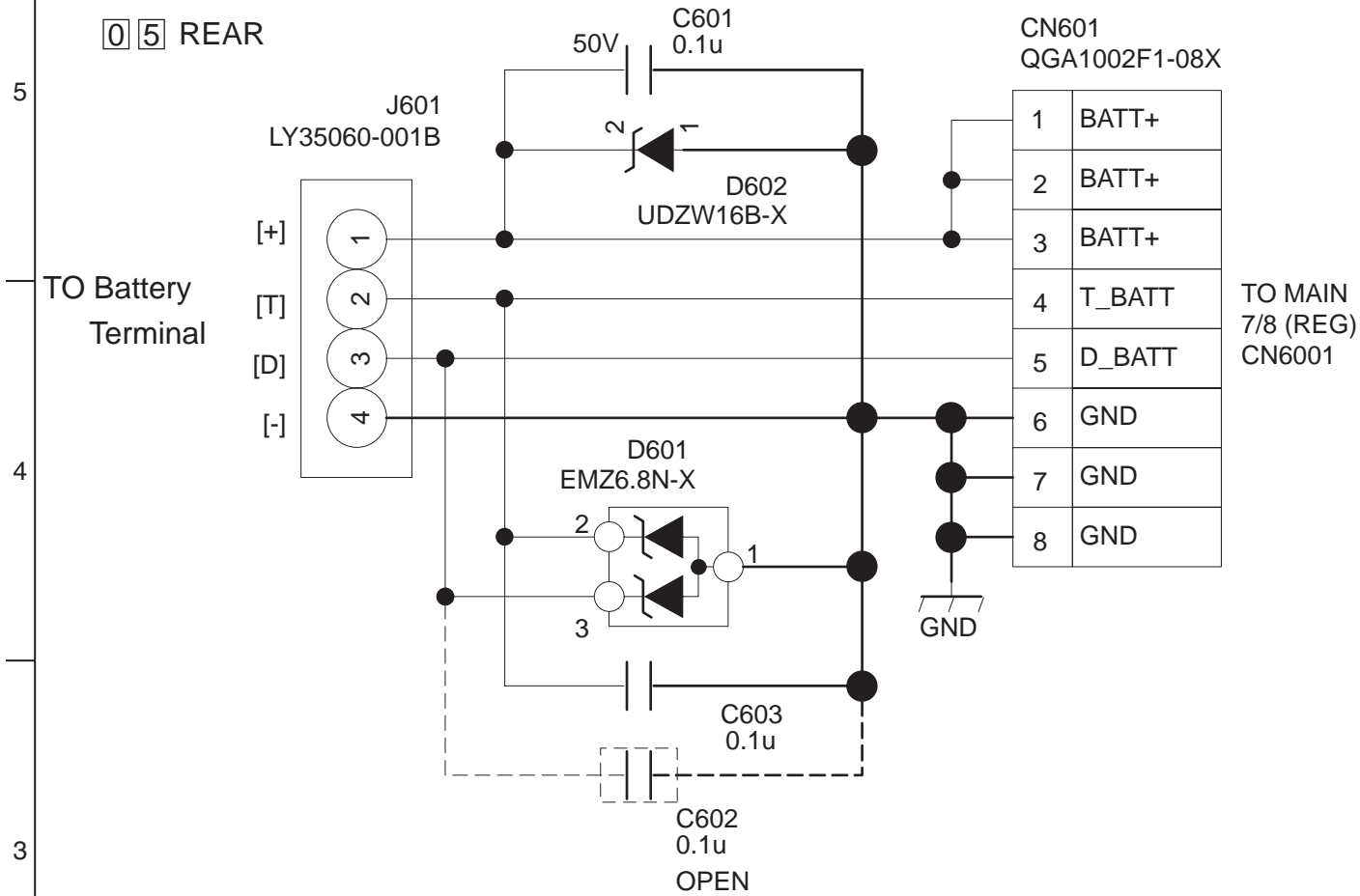


●基板上の部品配置アドレス表
アドレスは1区間の誤差があります。



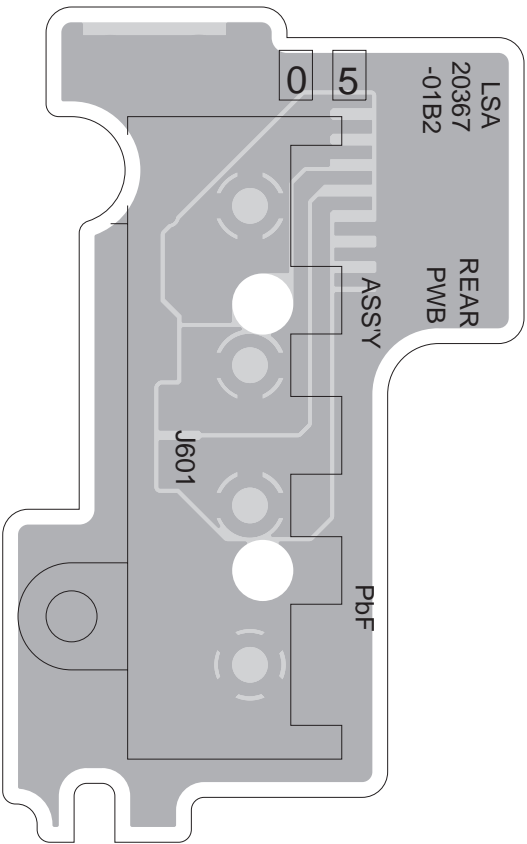
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D5001	A- 2B	R5067	A- 2B	C5018	B- 3B	C5037	B- 2A	C5056	B- 3B	CN5002	A- 3B				
IC5002	A- 3B	R5068	A- 2B	C5019	A- 2B	C5038	B- 2B	C5057	B- 2C	CN5003	A- 3C				
IC5003	B- 2A	R5069	A- 2B	C5020	B- 2B	C5039	B- 2C	C5058	B- 2A						
IC5004	B- 3B	R5070	A- 2B	C5021	B- 2B	C5040	B- 2A	C5059	B- 3B	K5001	A- 2A				
IC5005	B- 2C	R5071	A- 1C	C5022	B- 2B	C5041	B- 2A	C5060	B- 2C	K5002	A- 3B				
		R5072	A- 2C	C5023	B- 2B	C5042	B- 2A	C5061	A- 1C	K5003	B- 3A				
DIODE				C5024	B- 2B	C5043	B- 2B	C5062	B- 3B	K5004	B- 3A				
D5001	A- 3B	CAPACITOR		C5025	A- 2B	C5044	B- 2B	C5063	B- 3C	K5005	B- 3C				
D5002	A- 3B	C5001	A- 3B	C5026	A- 2B	C5045	B- 2B	C5064	A- 3A	K5006	B- 1C				
D5003	A- 2C	C5004	A- 3B	C5027	A- 2B	C5046	B- 2B	C5065	A- 3A	K5007	B- 3C				
		C5005	A- 3B	C5028	A- 3B	C5047	B- 2B	C5066	A- 2A	K5008	A- 2A				
		C5006	A- 2C	C5029	B- 3A	C5048	B- 2C								
RESISTOR		C5008	A- 2B	C5030	B- 3C	C5049	B- 2C	OTHER		L5001	A- 3A				
R5001	A- 3B	C5009	A- 2B	C5031	B- 3A	C5050	B- 2C	X5001	A- 2C	L5002	A- 3B				
R5002	A- 3B	C5010	A- 2C	C5032	B- 1C	C5051	B- 2C	X5002	A- 1C						
R5003	A- 2C	C5013	A- 1B	C5033	B- 3C	C5052	B- 2A								
R5018	A- 3B	C5015	A- 2C	C5034	B- 2A	C5053	B- 3B	TP5001	A- 3C						
R5064	A- 1C	C5016	A- 2A	C5035	B- 2B	C5054	B- 2B	TP5004	A- 1A						
R5065	A- 2C														

REAR基板基準回路図

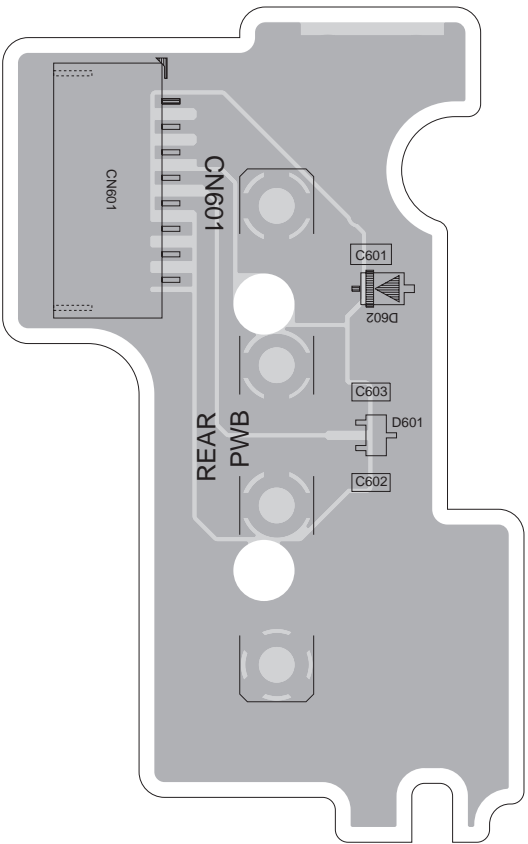


REAR基板部品配置図

--- A面 ---



--- B面 ---



5



3

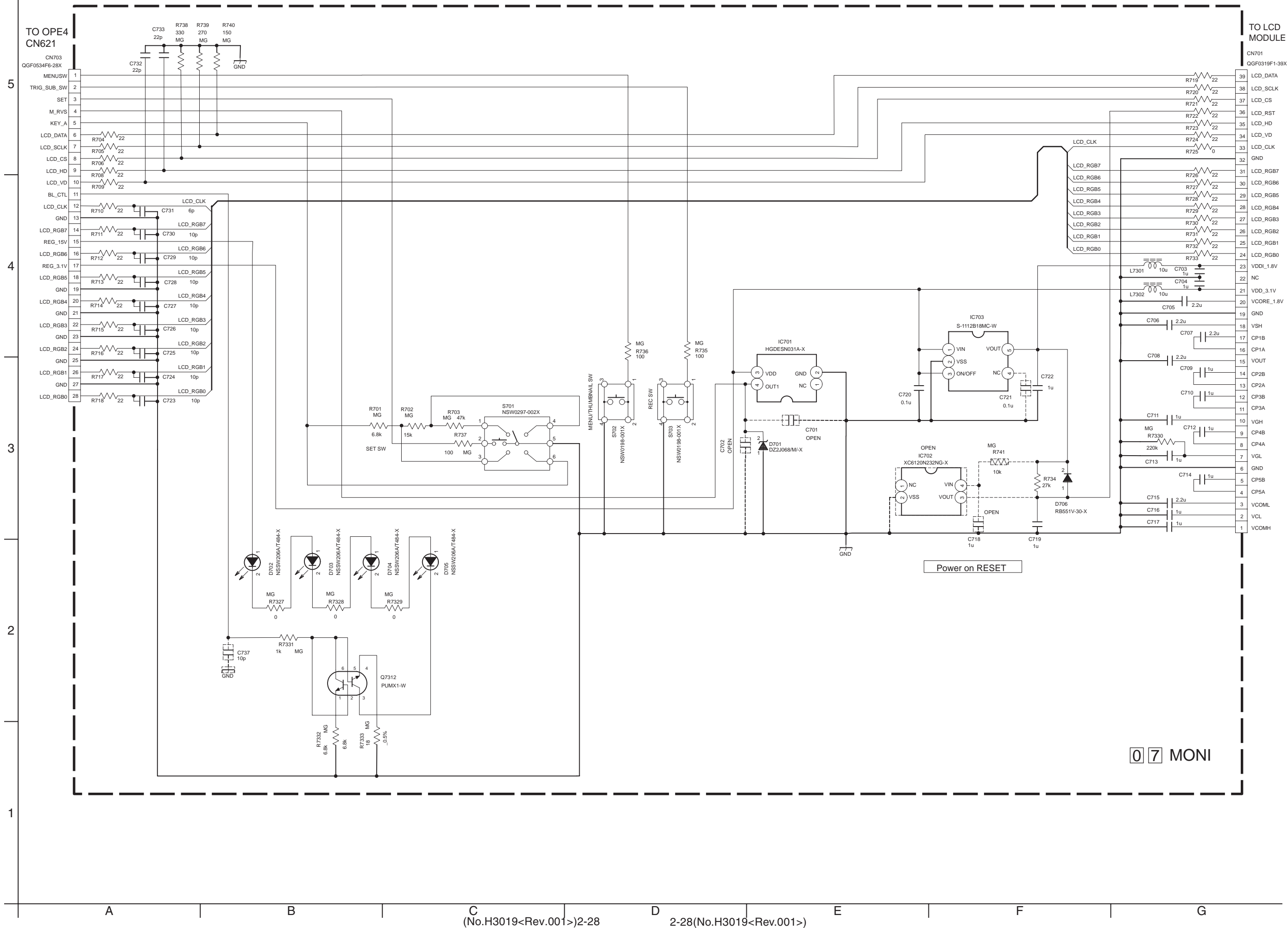
2

1

--- A面 ---

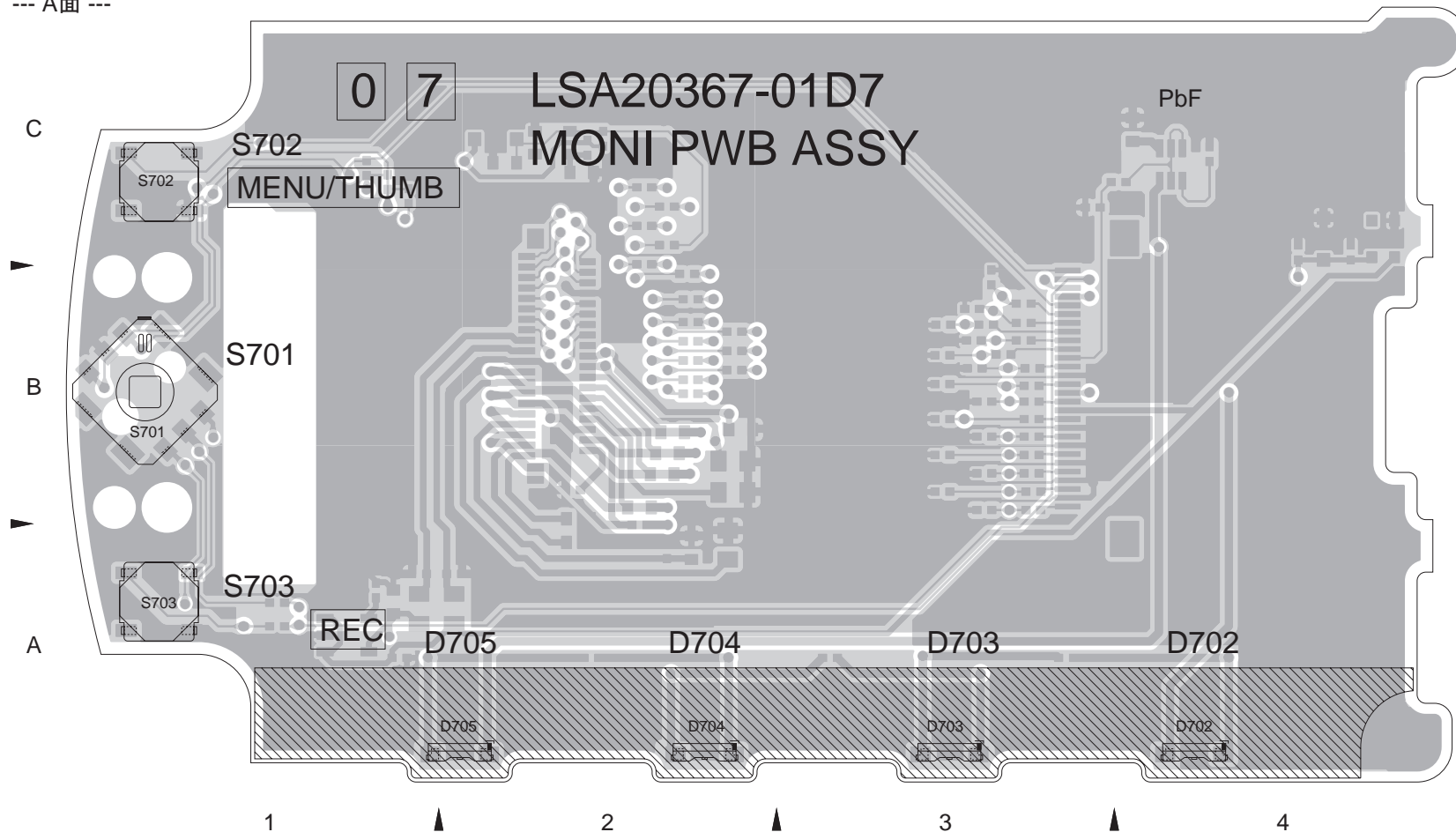


MONI基板基準回路図

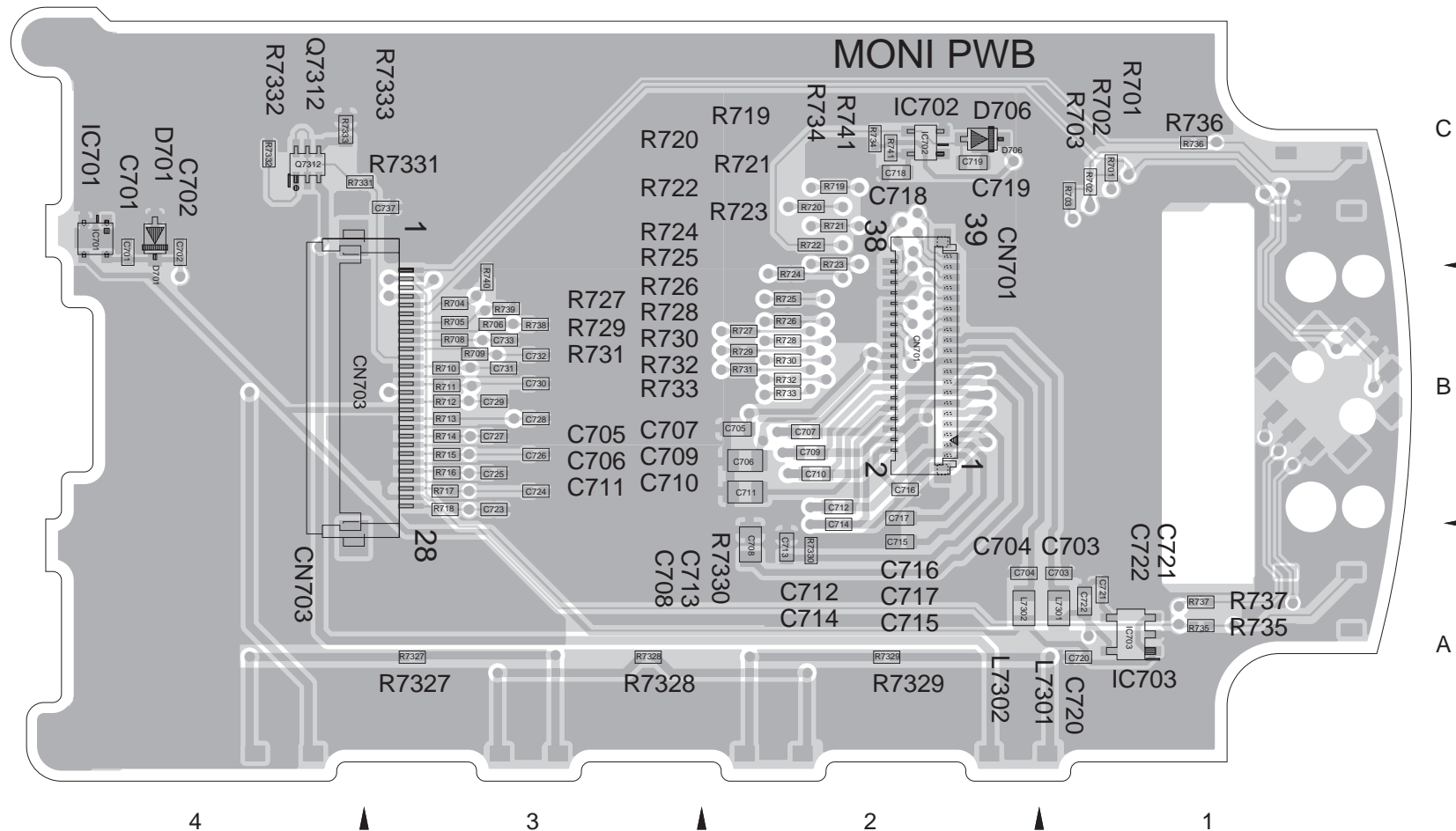


■ MONI基板部品配置図

--- A面 ---



--- B面 ---



●基板上の部品配置アドレス表
アドレスは1区間の誤差があります。

Side — A-1C — Y axis
X axis

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
IC		R723	B- 2C	C711	B- 2B
IC701	B- 4C	R724	B- 2B	C712	B- 2B
IC702	B- 2C	R725	B- 2B	C713	B- 2A
IC703	B- 1A	R726	B- 2B	C714	B- 2A
		R727	B- 2B	C715	B- 2A
TRANSISTOR		R728	B- 2B	C716	B- 2B
Q7312	B- 4C	R729	B- 2B	C717	B- 2B
		R730	B- 2B	C718	B- 2C
DIODE		R731	B- 2B	C719	B- 2C
D701	B- 4C	R732	B- 2B	C720	B- 1A
D702	A- 4A	R733	B- 2B	C721	B- 1A
D703	A- 3A	R734	B- 2C	C722	B- 1A
D704	A- 2A	R735	B- 1A	C723	B- 3B
D705	A- 2A	R736	B- 1C	C724	B- 3B
D706	B- 2C	R737	B- 1A	C725	B- 3B
		R738	B- 3B	C726	B- 3B
RESISTOR		R739	B- 3B	C727	B- 3B
R701	B- 1C	R740	B- 3B	C728	B- 3B
R702	B- 1C	R741	B- 2C	C729	B- 3B
R703	B- 1C	R7327	B- 3A	C730	B- 3B
R704	B- 3B	R7328	B- 3A	C731	B- 3B
R705	B- 3B	R7329	B- 2A	C732	B- 3B
R706	B- 3B	R7330	B- 2A	C733	B- 3B
R708	B- 3B	R7331	B- 4C	C737	B- 3C
R709	B- 3B	R7332	B- 4C		
R710	B- 3B	R7333	B- 4C	OTHER	
R711	B- 3B			CN701	B- 2B
R712	B- 3B			CN703	B- 4B
R713	B- 3B	CAPACITOR			
R714	B- 3B	C701	B- 4C	S701	A- 1B
R715	B- 3B	C702	B- 4C	S702	A- 1C
R716	B- 3B	C703	B- 1A	S703	A- 1A
R717	B- 3B	C704	B- 2A		
R718	B- 3B	C705	B- 2B		
R719	B- 3B	C706	B- 2B	L7301	B- 1A
R720	B- 2C	C707	B- 2B	L7302	B- 2A
R721	B- 2C	C708	B- 2A		
R722	B- 2C	C709	B- 2B		
		C710	B- 2B		

5



3

9

1

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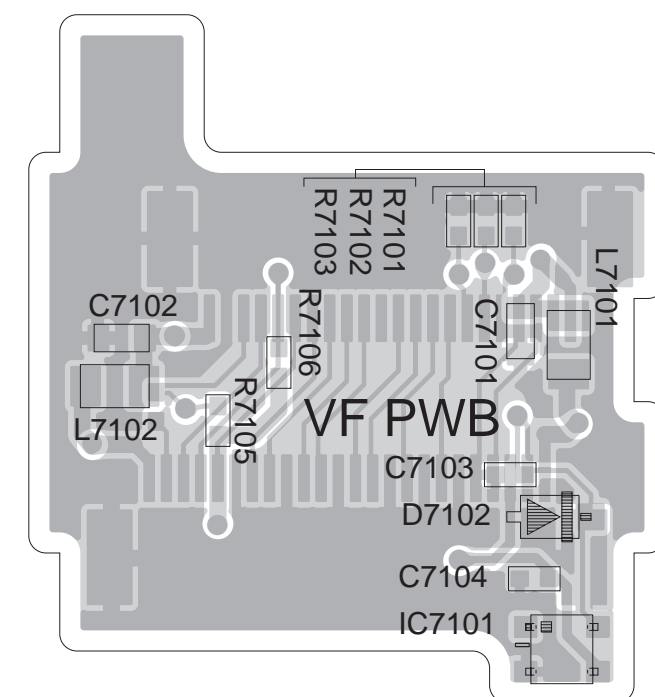
G

--- A面 ---

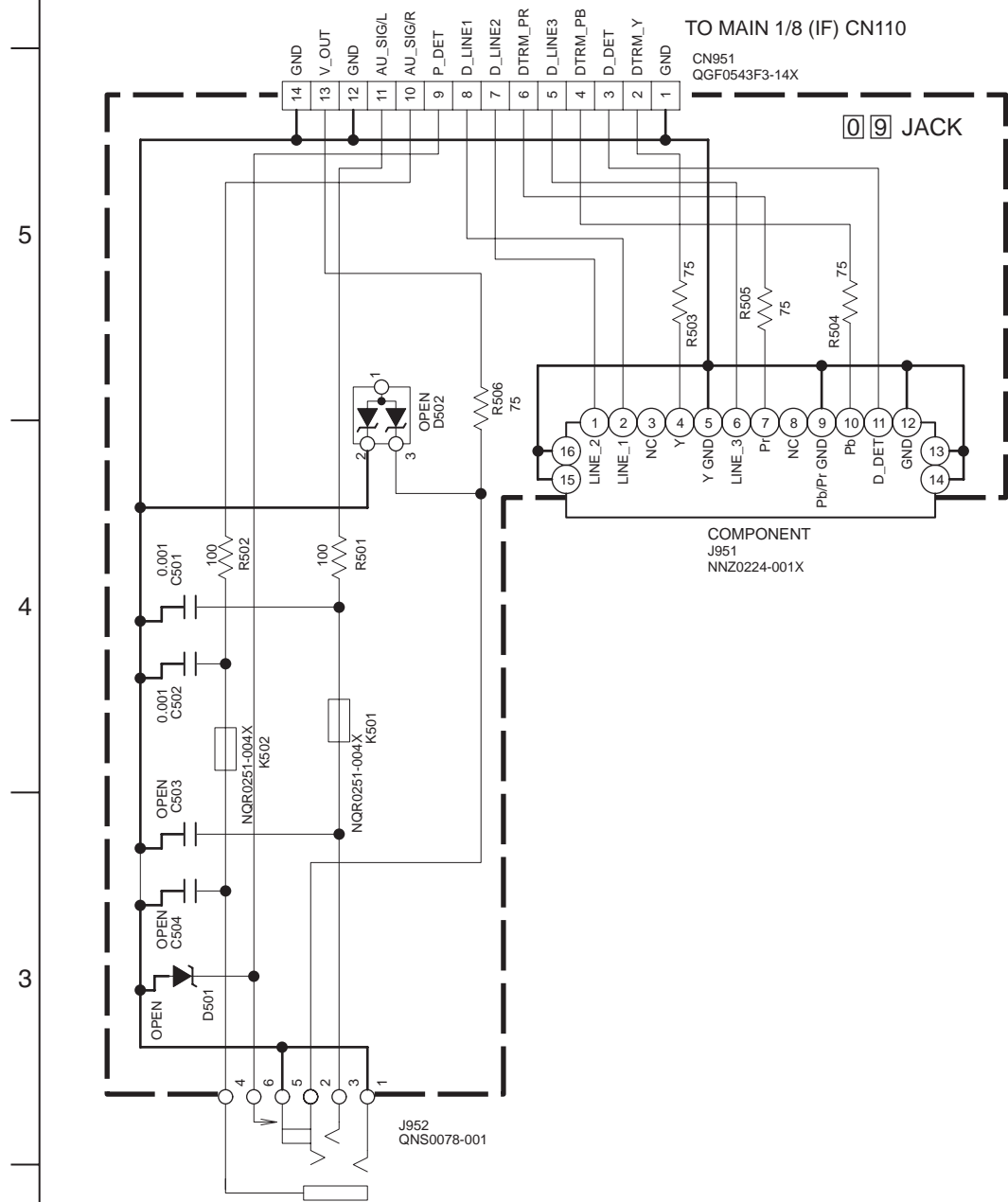
--- A面 ---



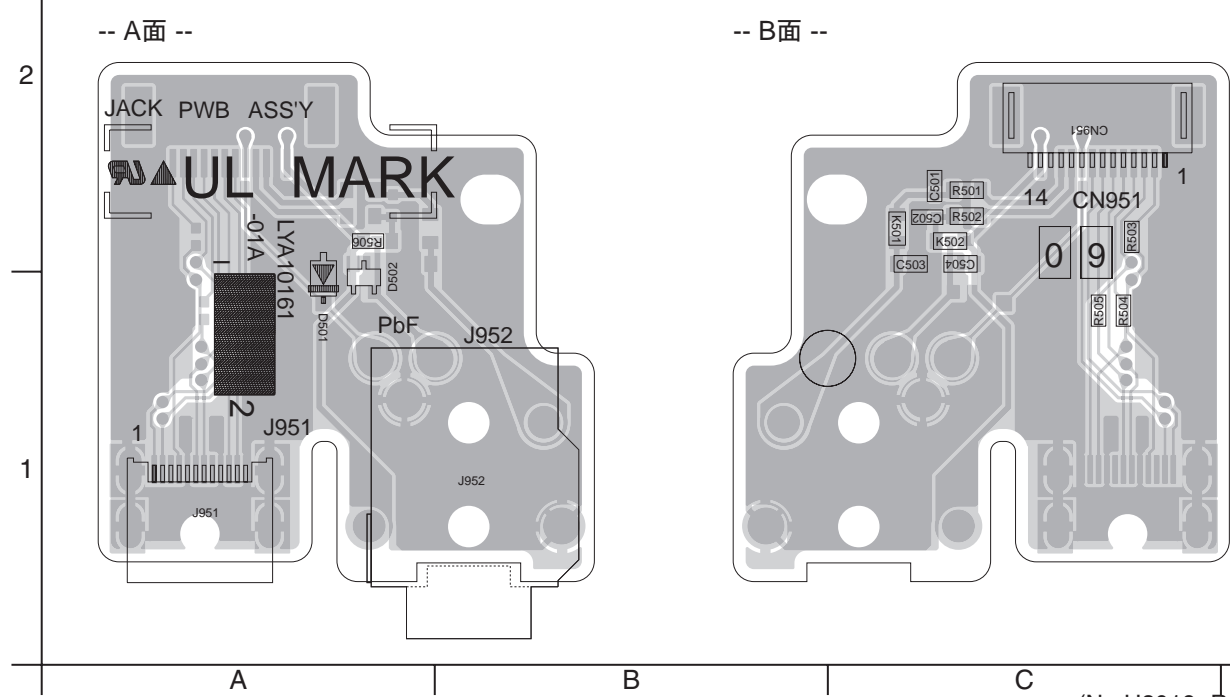
--- B面 ---



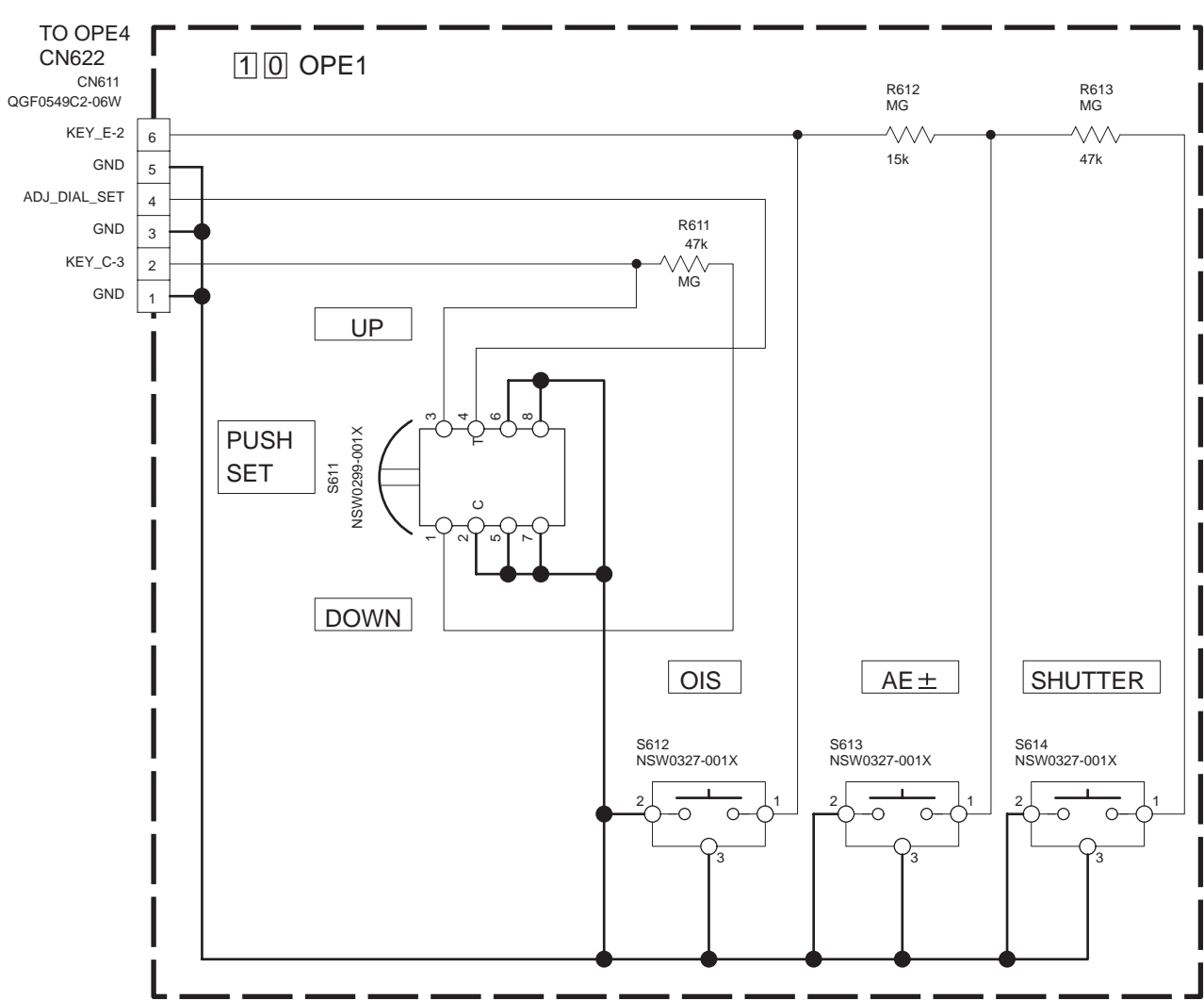
■ JACK基板基準回路図



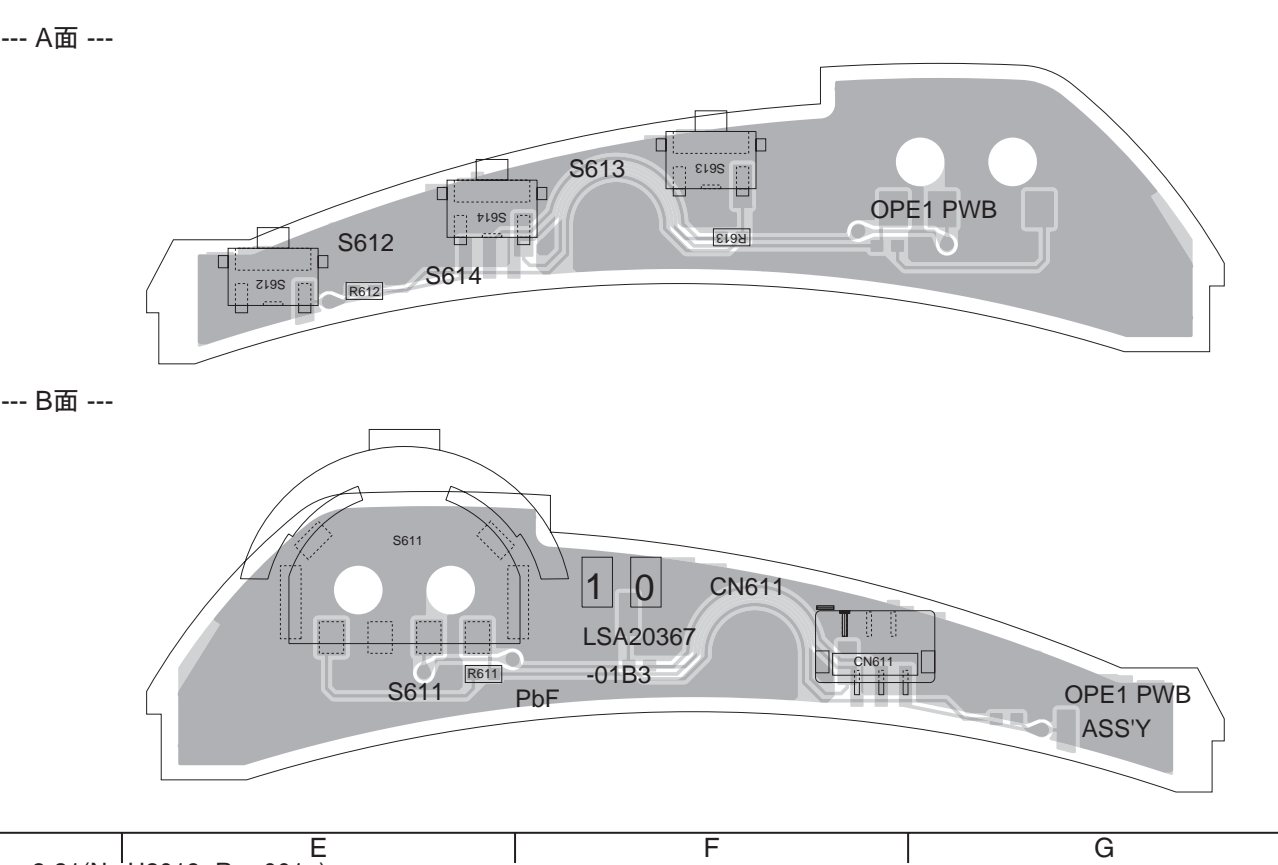
■ JACK基板部品配置図



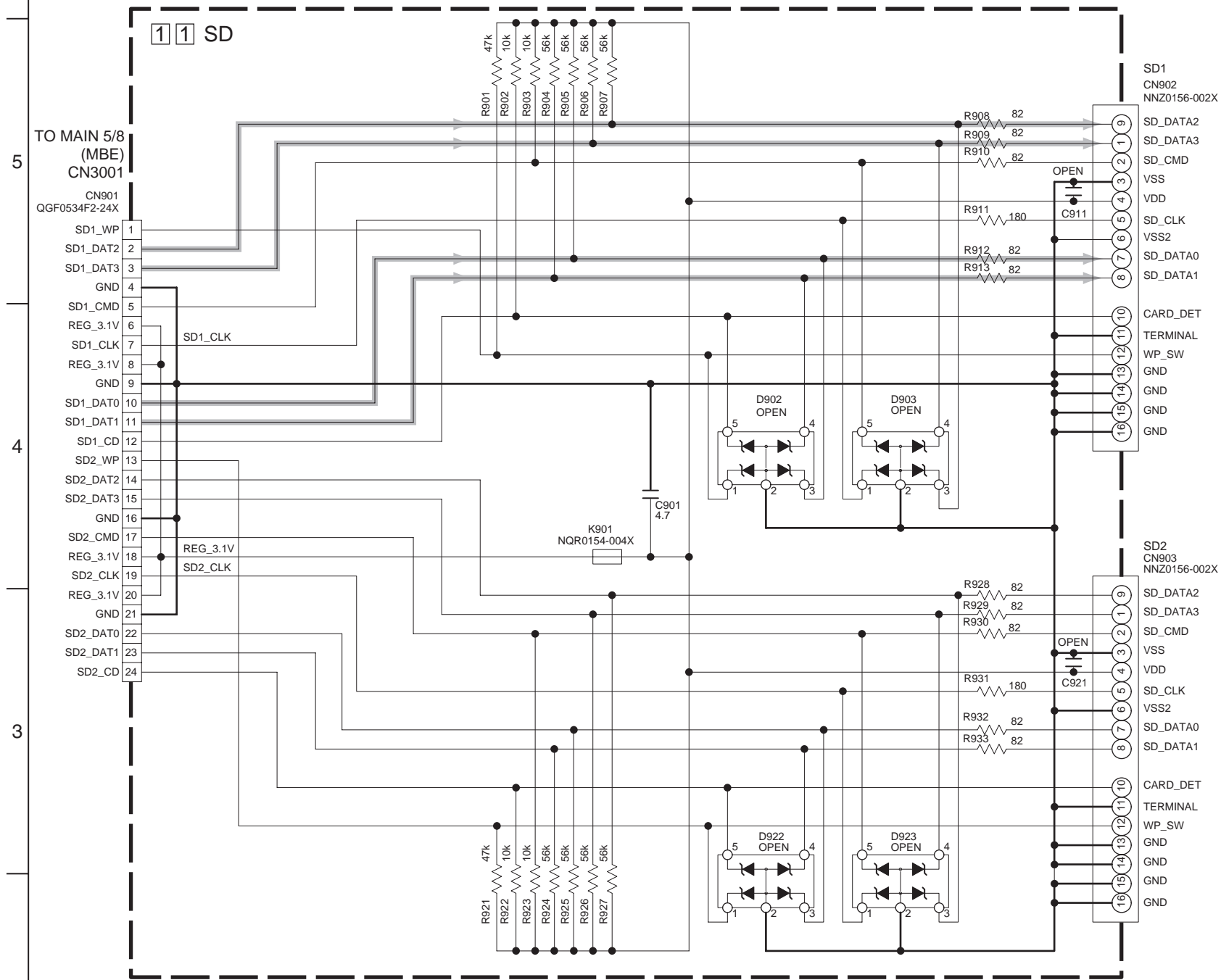
■ OPE1基板基準回路図



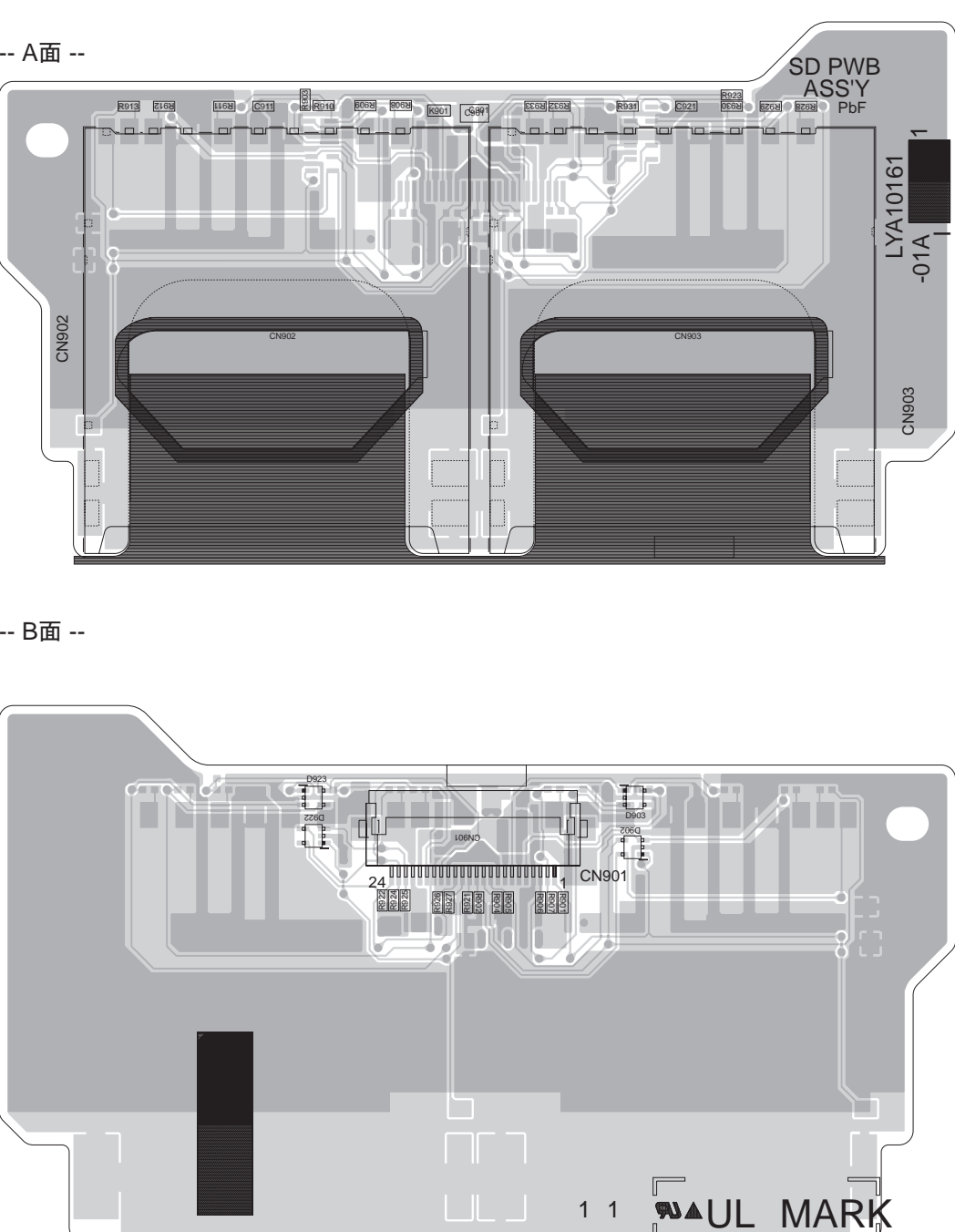
■ OPE1基板部品配置図



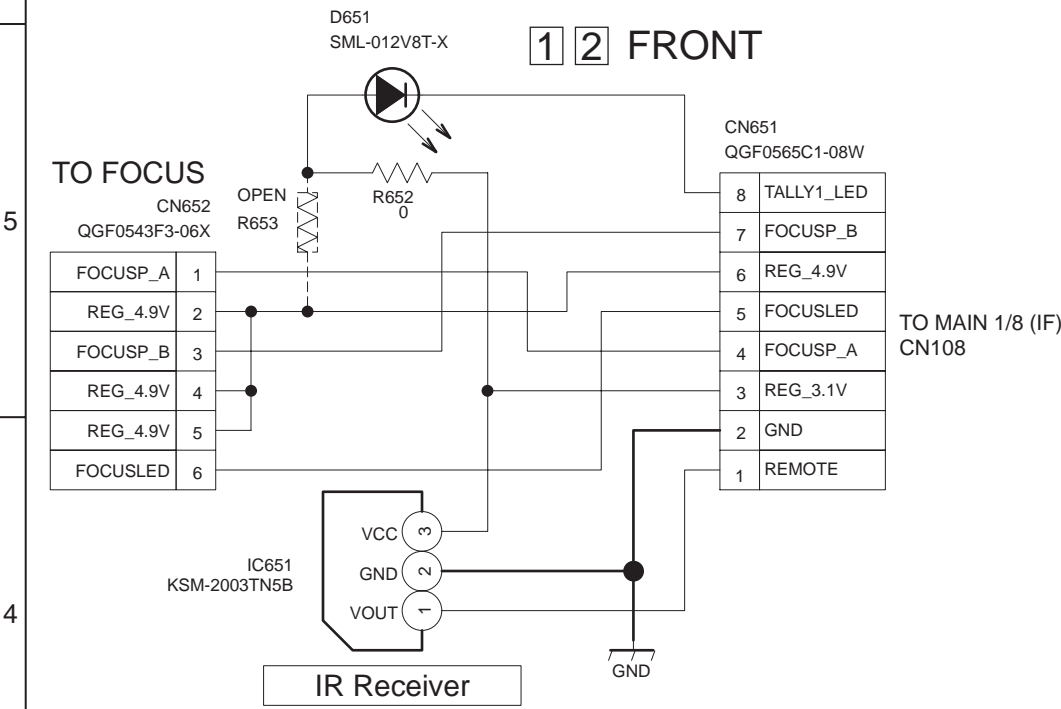
SD基板基準回路図



SD基板部品配置図

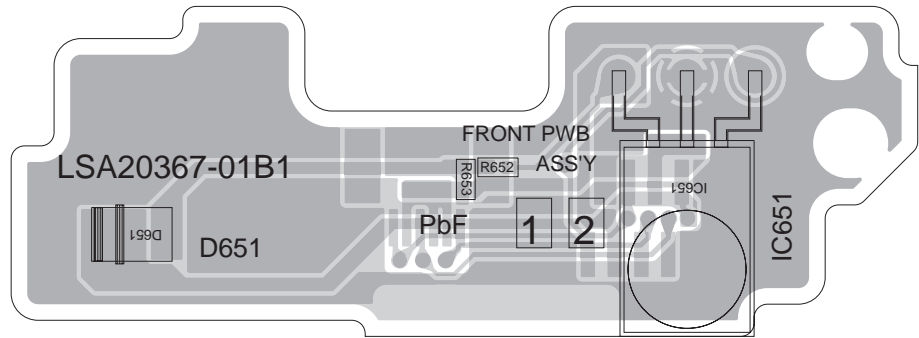


FRONT基板基準回路図

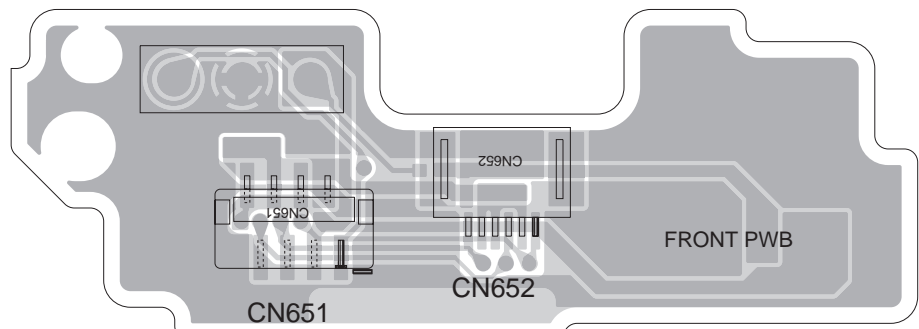


FRONT基板部品配置図

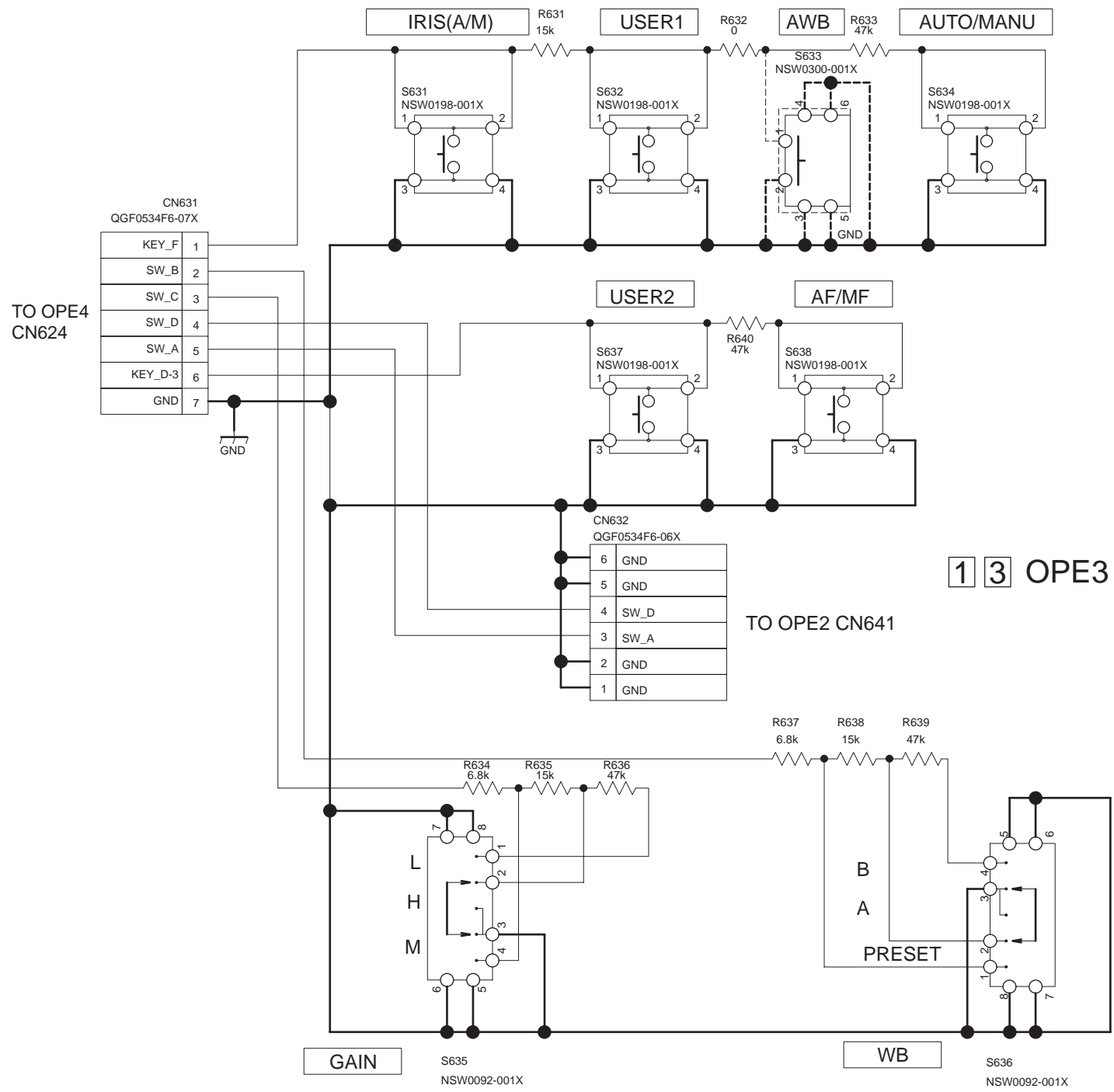
--- A面 ---



--- B面 ---

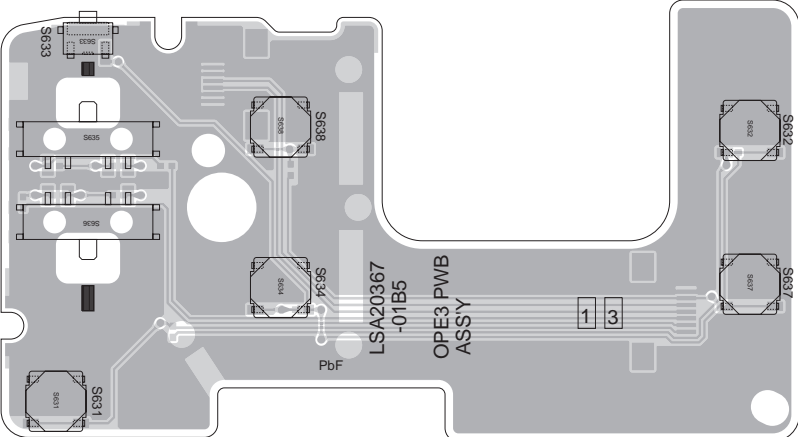


OPE3基板基準回路図

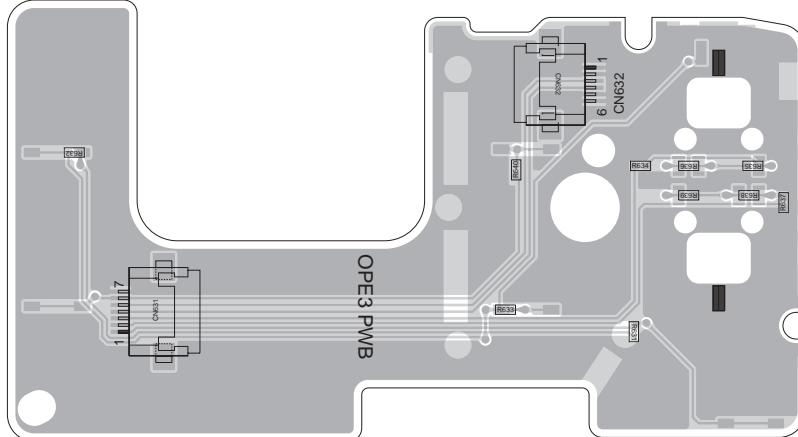


OPE3基板部品配置図

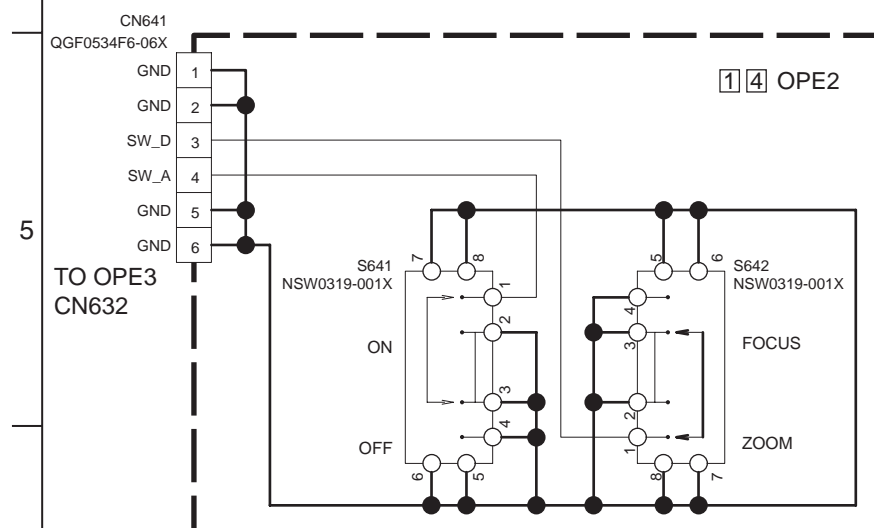
--- A面 ---



--- B面 ---

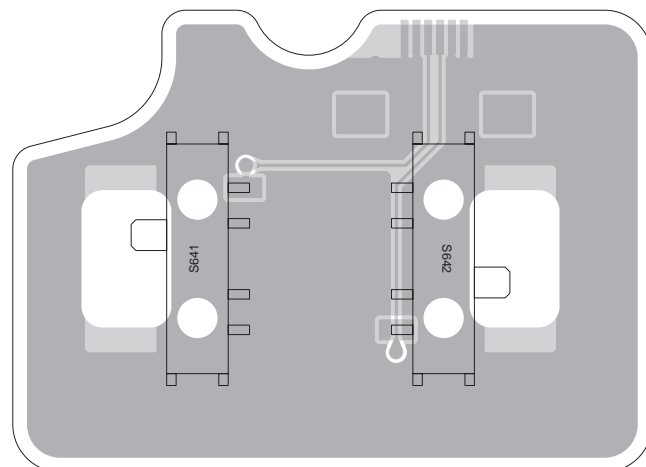


■ OPE2基板基準回路図

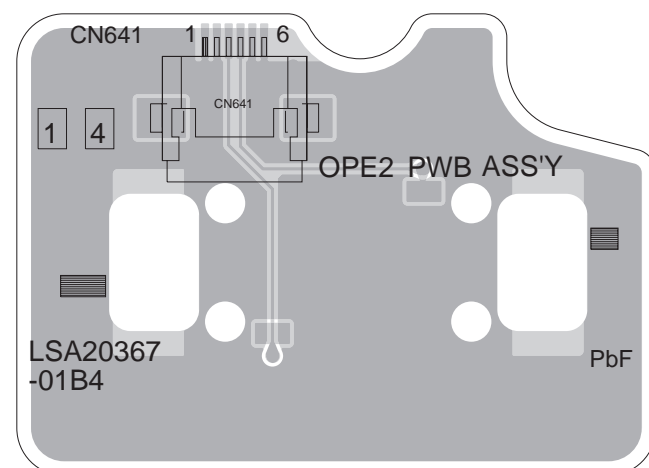


■ OPE2基板部品配置図

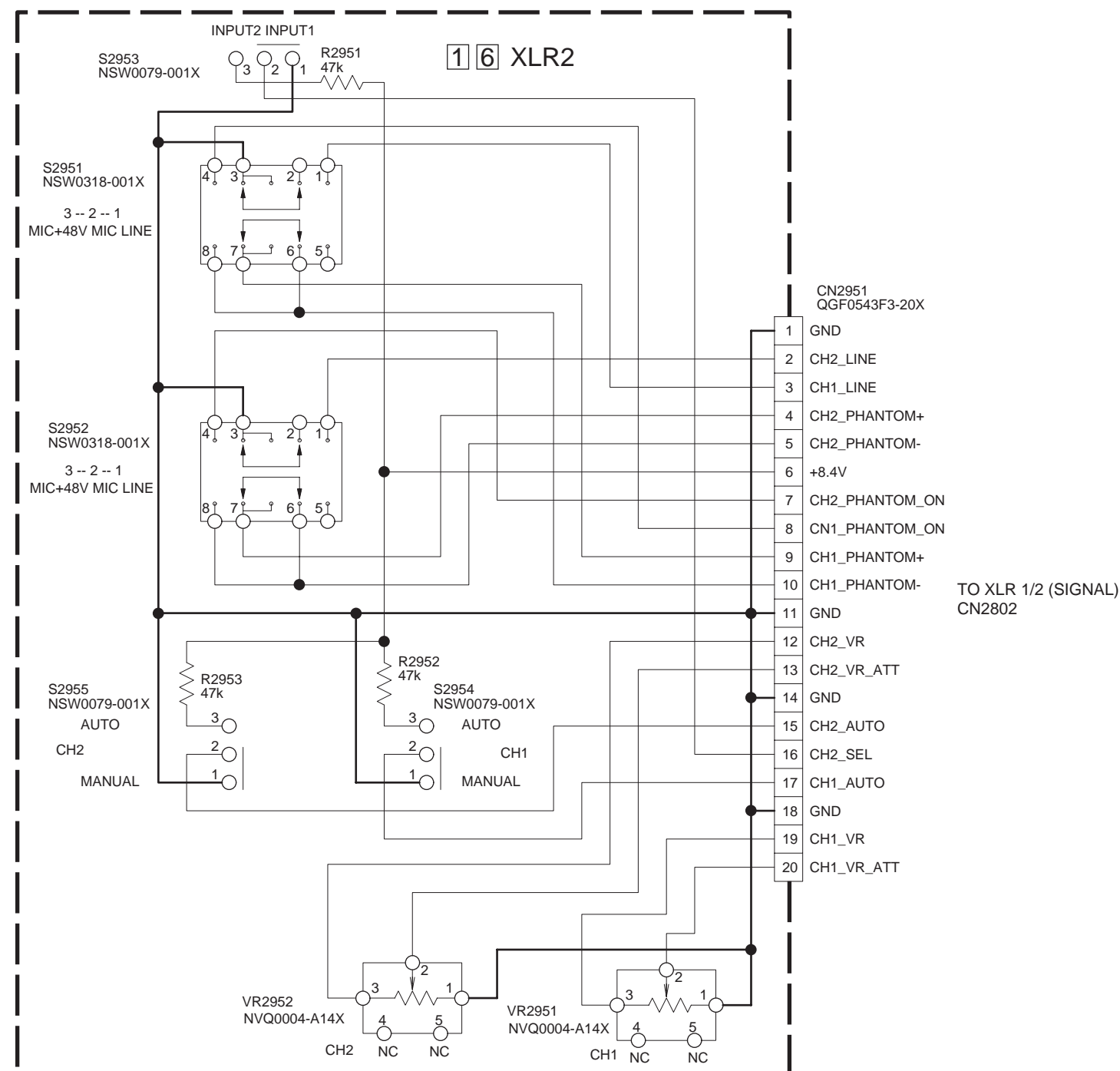
--- A面 ---



--- B面 ---

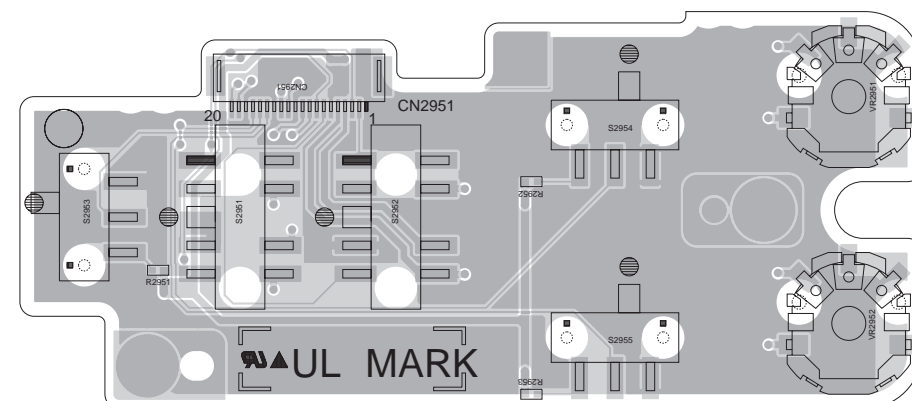


■ XLR2基板基準回路図

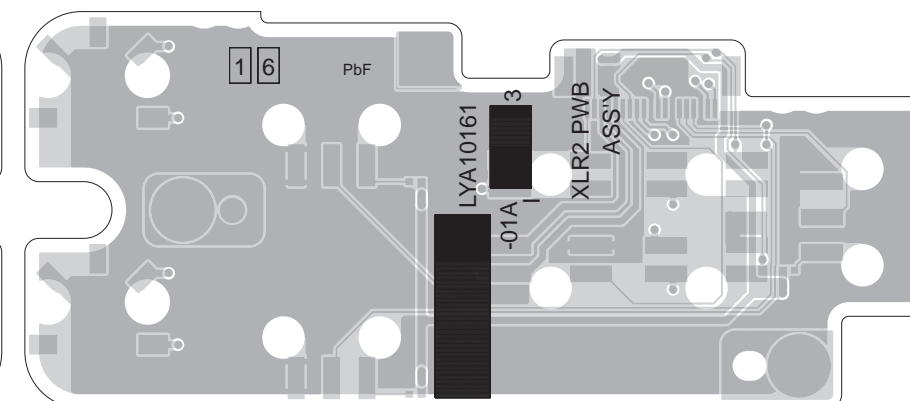


■ XLR2基板部品配置図

--- A面 ---



--- B面 ---



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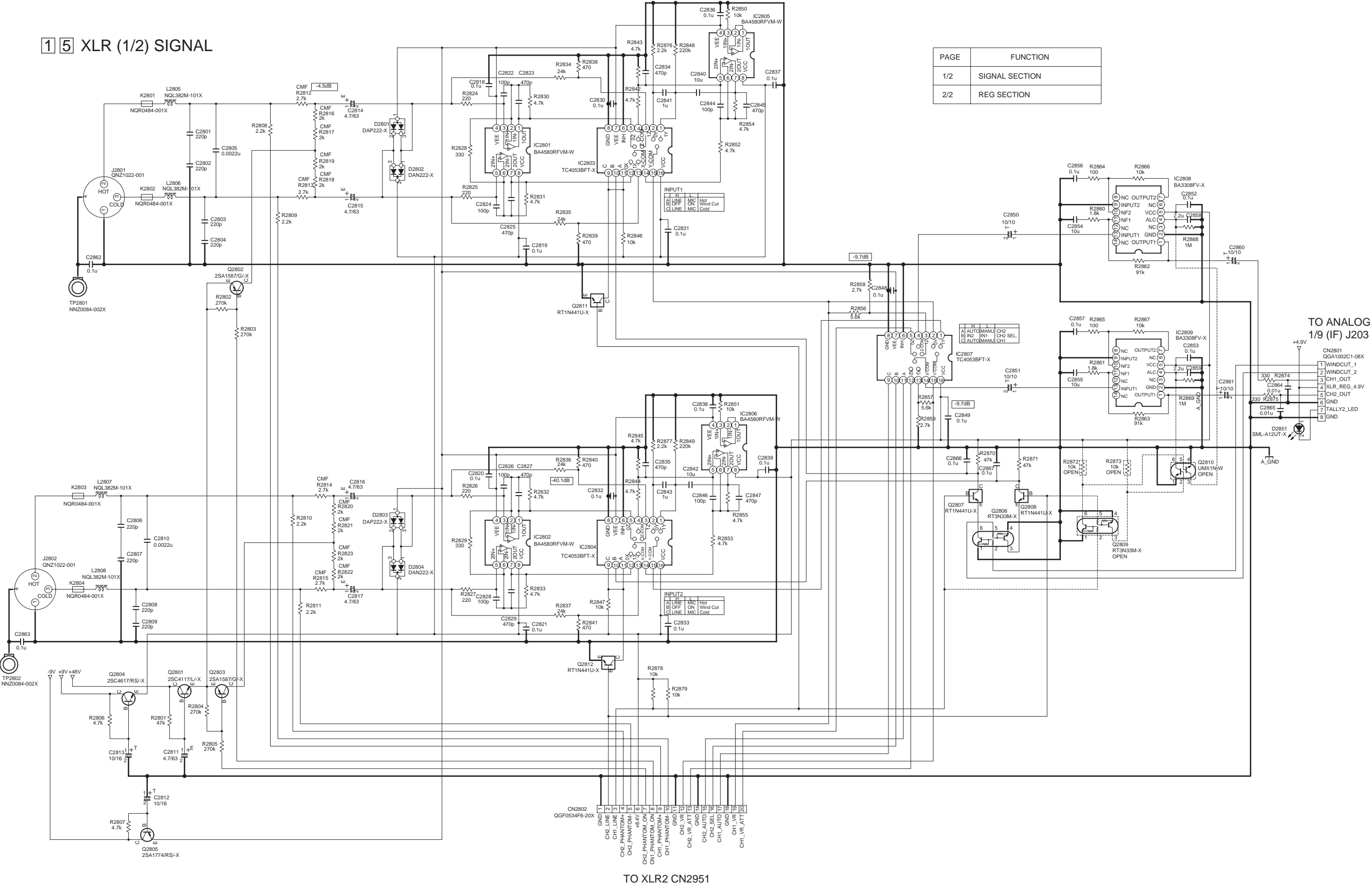
F

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■ XLR基板基準回路図 (1/2) SIGNAL

1 5 XLR (1/2) SIGNAL

PAGE	FUNCTION
1/2	SIGNAL SECTION
2/2	REG SECTION

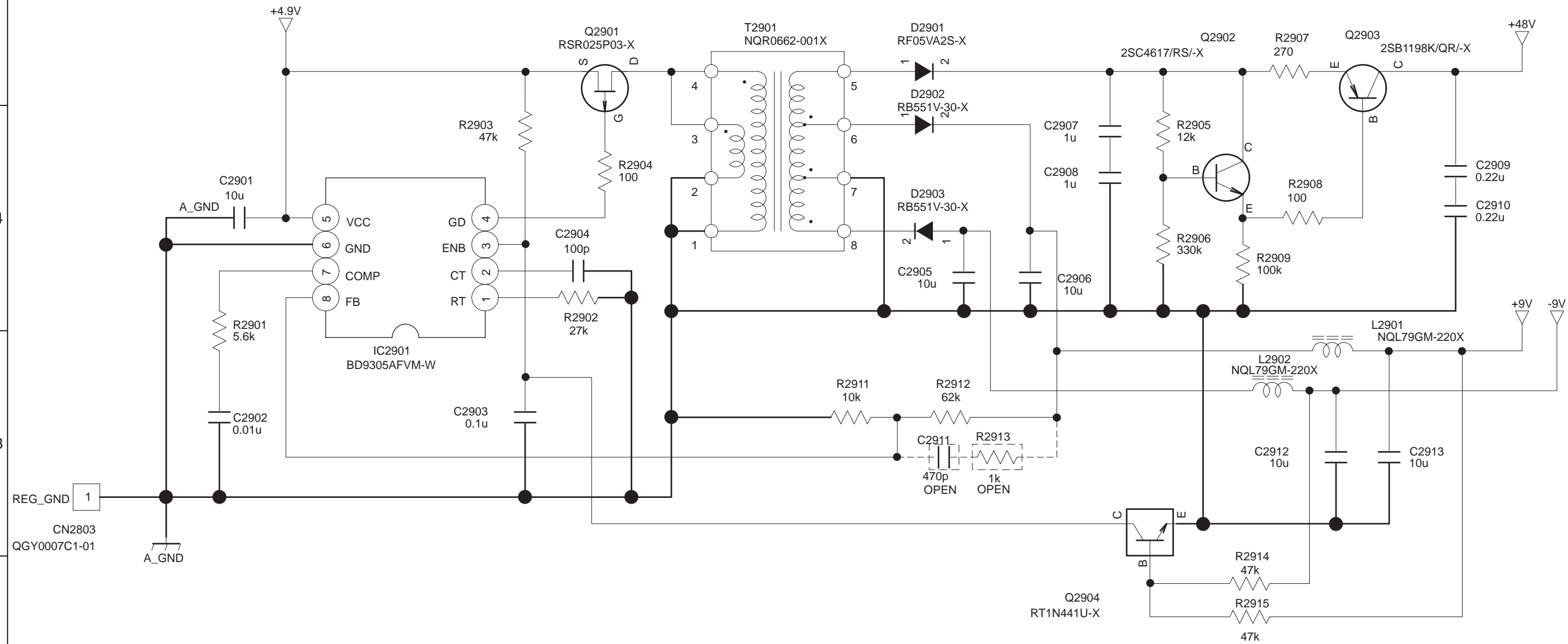


TO XLR2 CN2951

TO ANALOG
1/9 (IF) J203

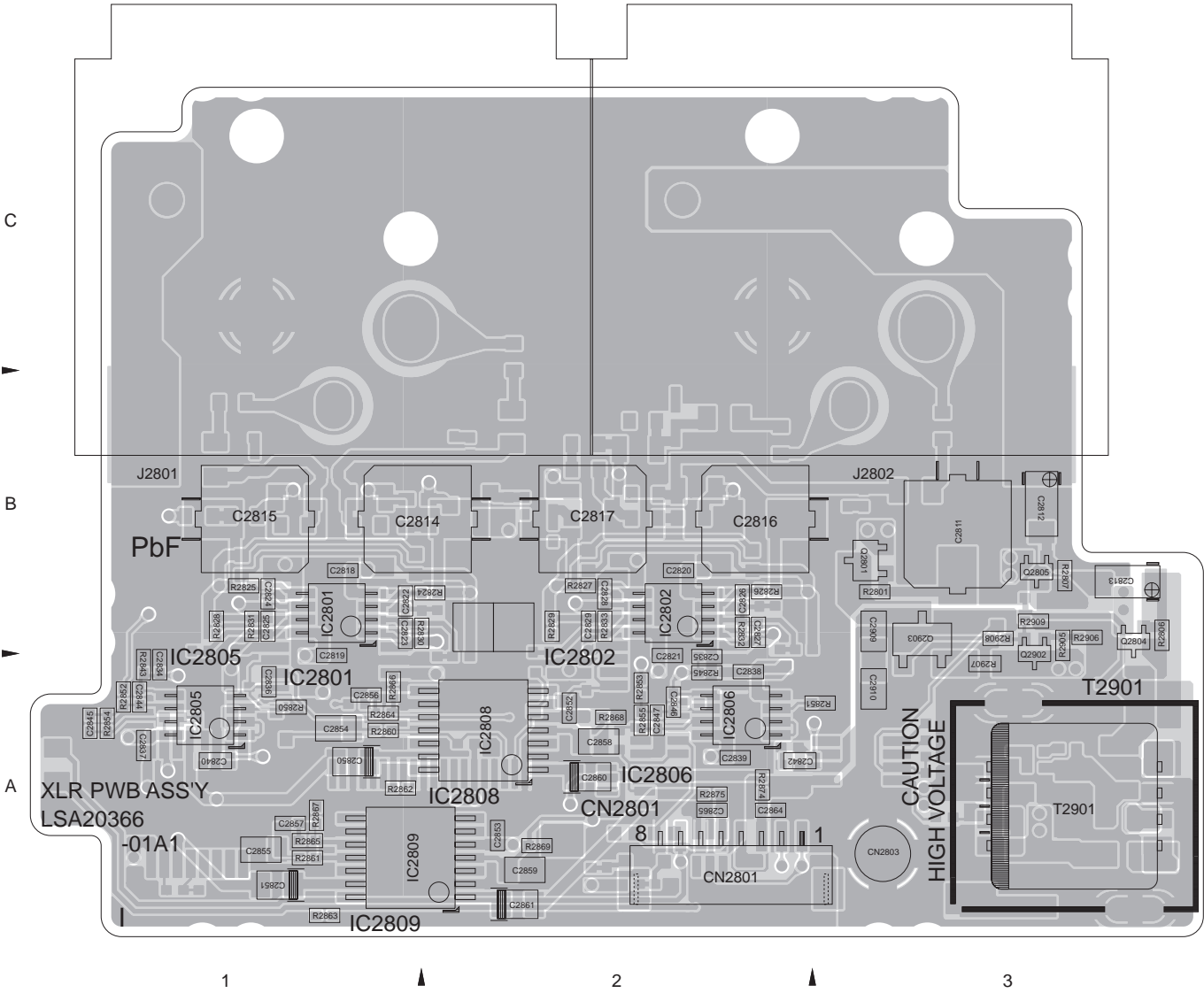
■ XLR基板基準回路図 (2/2) REG

1 5 XLR (2/2) REG

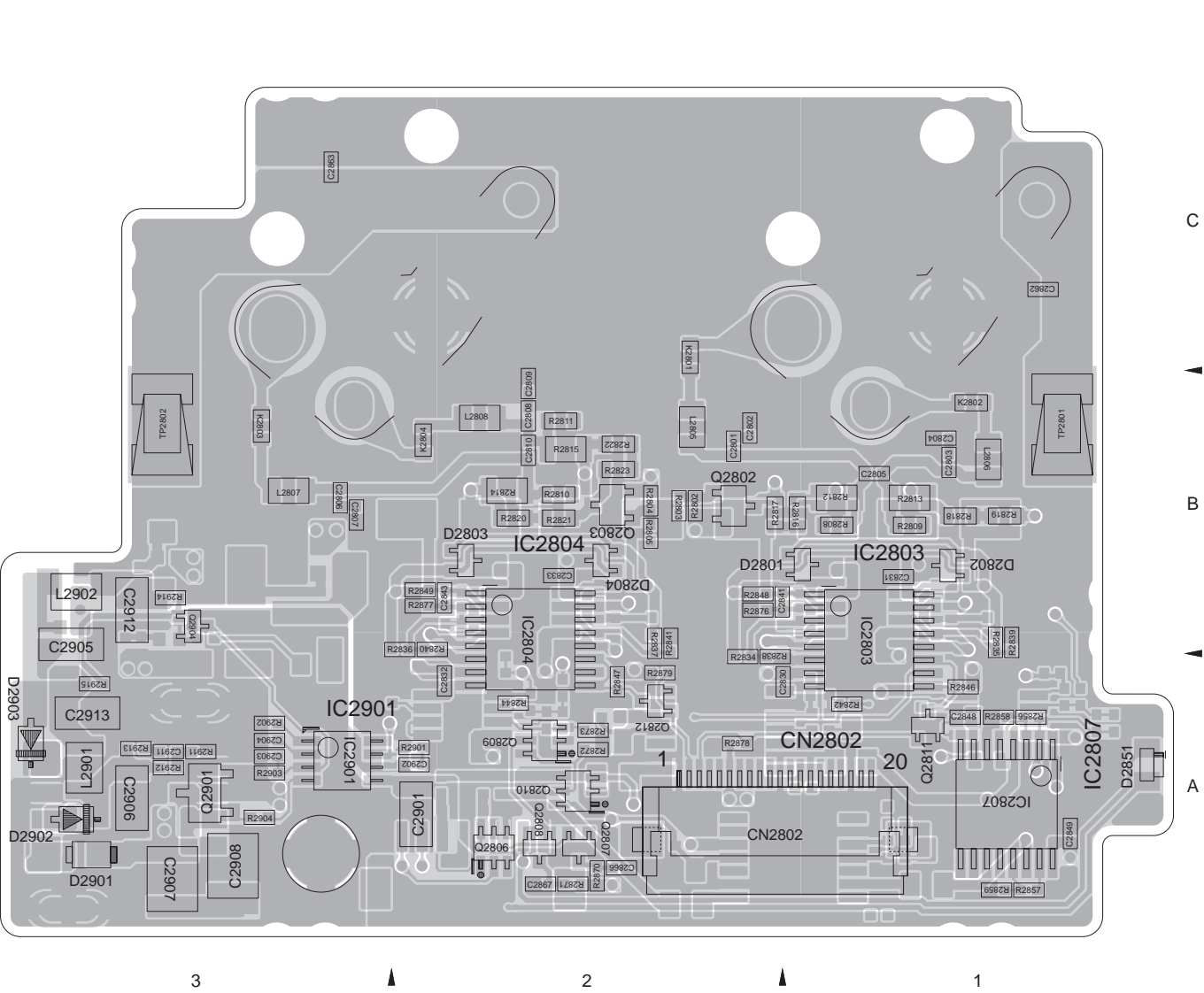


■ XLR基板部品配置図

--- A面 ---



--- B面 ---

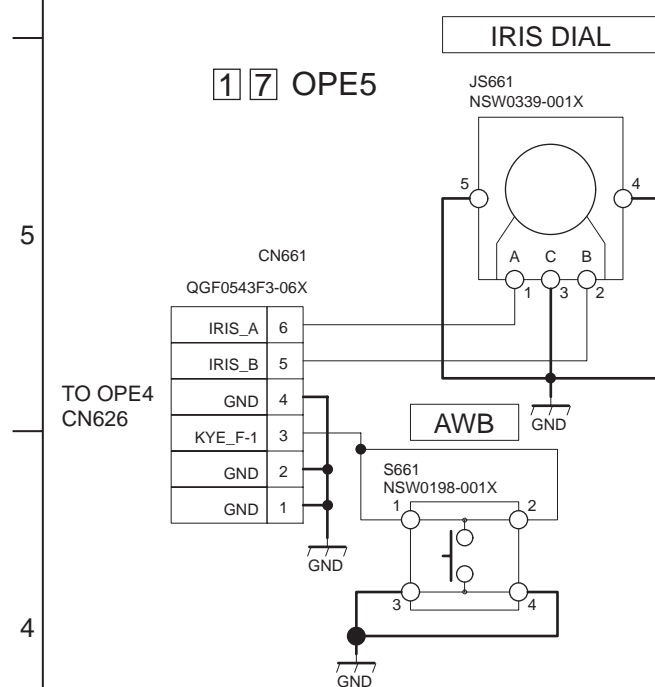


● 基板上の部品配置アドレス表
アドレスは1区間の誤差がある場合があります。



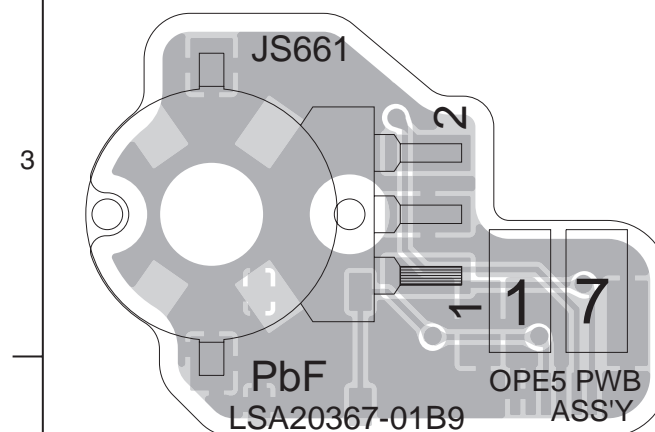
REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
IC		Q2901	B- 3A	R2810	B- 2B	R2835	B- 1B	R2860	A- 1A	R2906	A- 3B	C2815	A- 1B	C2840	A- 1A
IC2801	A- 1B	Q2902	A- 3B	R2811	B- 2B	R2836	B- 2B	R2861	A- 1A	R2907	A- 3A	C2816	A- 2B	C2841	B- 2B
IC2802	A- 2B	Q2903	A- 3B	R2812	B- 1B	R2837	B- 2B	R2862	A- 1A	R2908	A- 3B	C2817	A- 2B	C2842	A- 2A
IC2803	B- 1B	Q2904	B- 3B	R2813	B- 1B	R2838	B- 2A	R2863	A- 1A	R2909	A- 3B	C2818	A- 1B	C2843	B- 2B
IC2804	B- 2B			R2814	B- 2B	R2839	B- 1B	R2864	A- 1A	R2910	A- 3A	C2819	A- 1A	C2844	A- 1A
IC2805	A- 1A	DIODE		R2815	B- 2B	R2840	B- 2B	R2865	A- 1A	R2911	B- 3A	C2820	A- 2B	C2845	A- 1A
IC2806	A- 2A	D2801	B- 1B	R2816	B- 1B	R2841	B- 2B	R2866	A- 1A	R2912	B- 3A	C2821	A- 2A	C2846	A- 2A
IC2807	B- 1A	D2802	B- 1B	R2817	B- 2B	R2842	B- 1A	R2867	A- 1A	R2913	B- 3A	C2822	A- 1B	C2847	A- 2A
IC2808	A- 2A	D2803	B- 2B	R2818	B- 1B	R2843	A- 1A	R2868	A- 2A	R2914	B- 3B	C2823	A- 1B	C2848	B- 1A
IC2809	A- 1A	D2804	B- 2B	R2819	B- 1B	R2844	B- 2A	R2869	A- 2A	R2915	B- 3A	C2824	A- 1B	C2849	B- 1A
IC2901	B- 3A	D2851	B- 1A	R2820	B- 2B	R2845	A- 2A	R2870	B- 2A			C2825	A- 1B	C2850	A- 1A
		D2901	B- 3A	R2821	B- 2B	R2846	B- 1A	R2871	B- 2A	CAPACITOR		C2826	A- 2B	C2851	A- 1A
		D2902	B- 3A	R2822	B- 2B	R2847	B- 2A	R2872	B- 2A	C2802	B- 2B	C2827	A- 2B	C2852	A- 2A
		D2903	B- 3A	R2823	B- 2B	R2848	B- 2B	R2873	B- 2A	C2803	B- 1B	C2828	A- 2B	C2853	A- 2A
				R2824	A- 2B	R2849	B- 2B	R2874	A- 2A	C2804	B- 1B	C2829	A- 2B	C2854	A- 1A
				R2825	A- 1B	R2850	A- 1A	R2875	A- 2A	C2805	B- 1B	C2830	B- 1A	C2855	A- 1A
				R2826	A- 2B	R2851	A- 3A	R2876	B- 2B	C2806	B- 3B	C2831	B- 1B	C2856	A- 1A
				R2827	A- 2B	R2852	A- 1A	R2877	B- 2B	C2807	B- 3B	C2832	B- 2A	C2857	A- 1A
				R2828	A- 1B	R2853	A- 2A	R2878	B- 2A	C2808	B- 2B	C2833	B- 2B	C2858	A- 2A
				R2829	A- 2B	R2854	A- 1A	R2879	B- 2A	C2809	B- 2B	C2834	A- 1A	C2859	A- 2A
				R2830	A- 2B	R2855	A- 2A	R2901	B- 2A	C2810	B- 2B	C2835	A- 2A	C2860	A- 2A
				R2831	A- 1B	R2856	B- 1A	R2902	B- 3A	C2811	A- 3B	C2836	A- 1A	C2861	A- 2A
				R2832	A- 2B	R2857	B- 1A	R2903	B- 3A	C2812	A- 3B	C2837	A- 1A	C2862	B- 1C
				R2833	A- 2B	R2858	B- 1A	R2904	B- 3A	C2813	A- 3B	C2838	A- 2A	C2863	B- 3C
				R2834	B- 2A	R2859	B- 1A	R2905	A- 3B	C2814	A- 2B	C2839	A- 2A	C2864	A- 2A

■ OPE5基板基準回路図

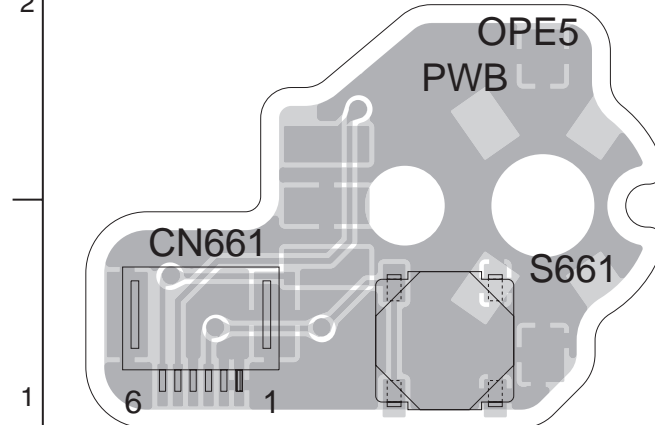


■ OPE5基板部品配置図

--- A面 ---



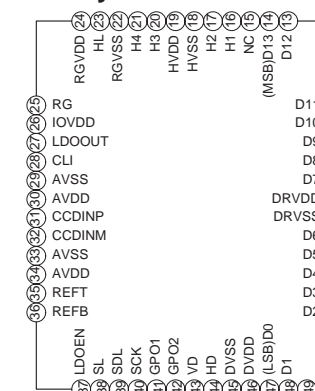
--- B面 ---



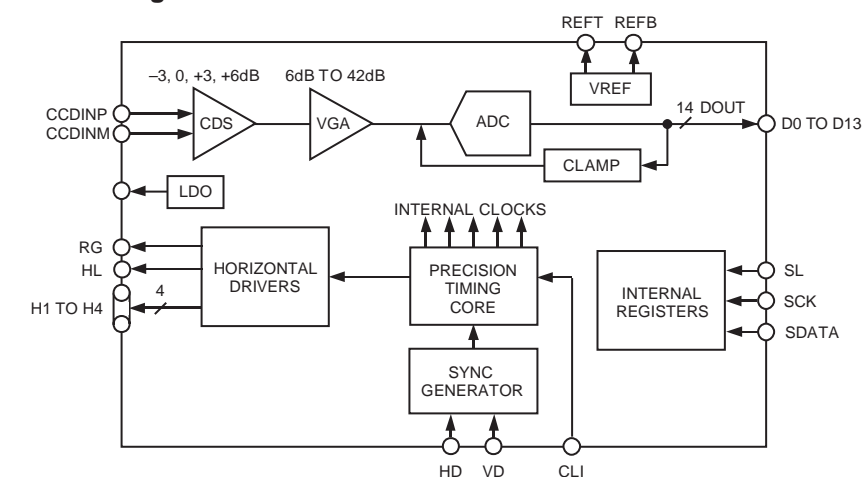
ICブロック図

■ AD9979BCPZ-W [ANALOG DEVICES] (14-Bit CCD Signal processor)

Pin layout

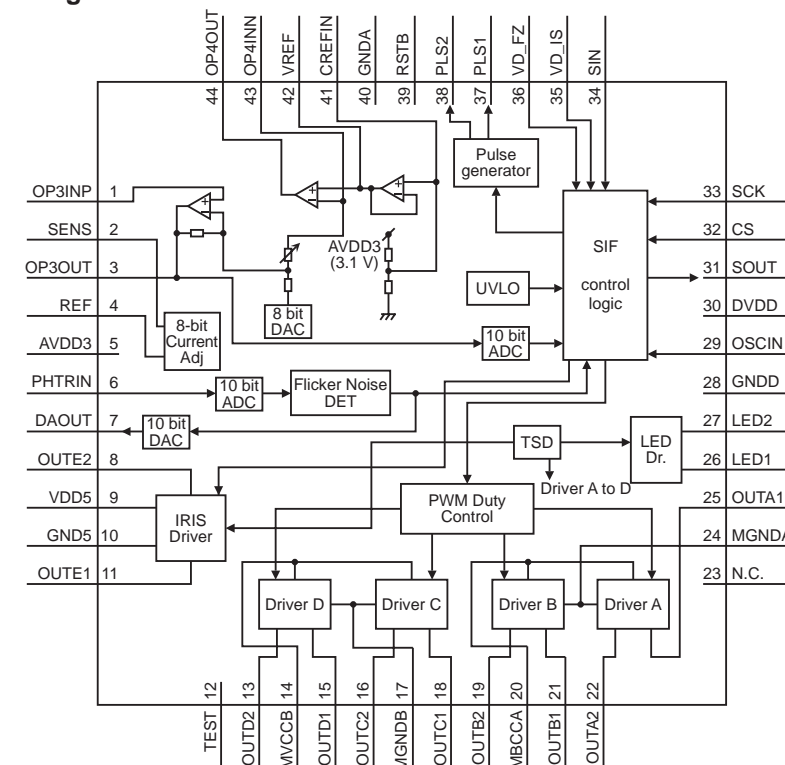


Block diagram



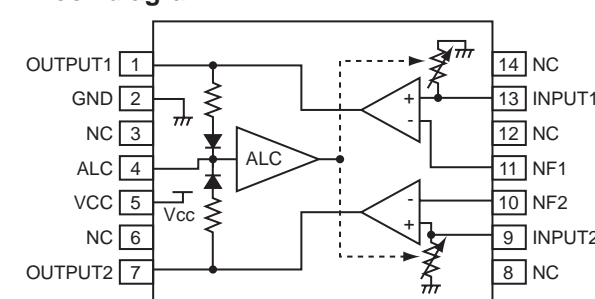
■ AN41905A-X [PANASONIC] (Lens driver IC for camcorder incorporating iris control)

Block diagram



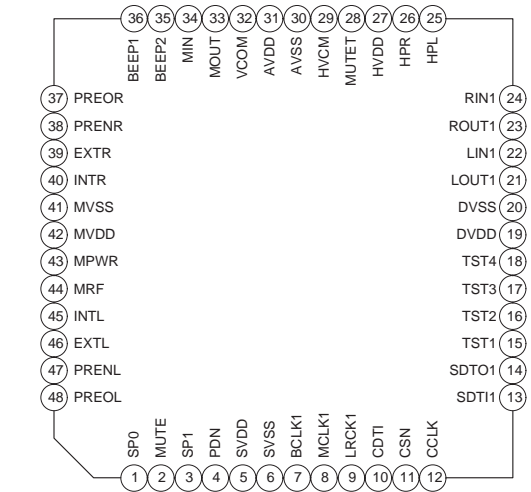
■ BA3308FV-X [ROHM] (Dual preamplifier with ALC)

Block diagram

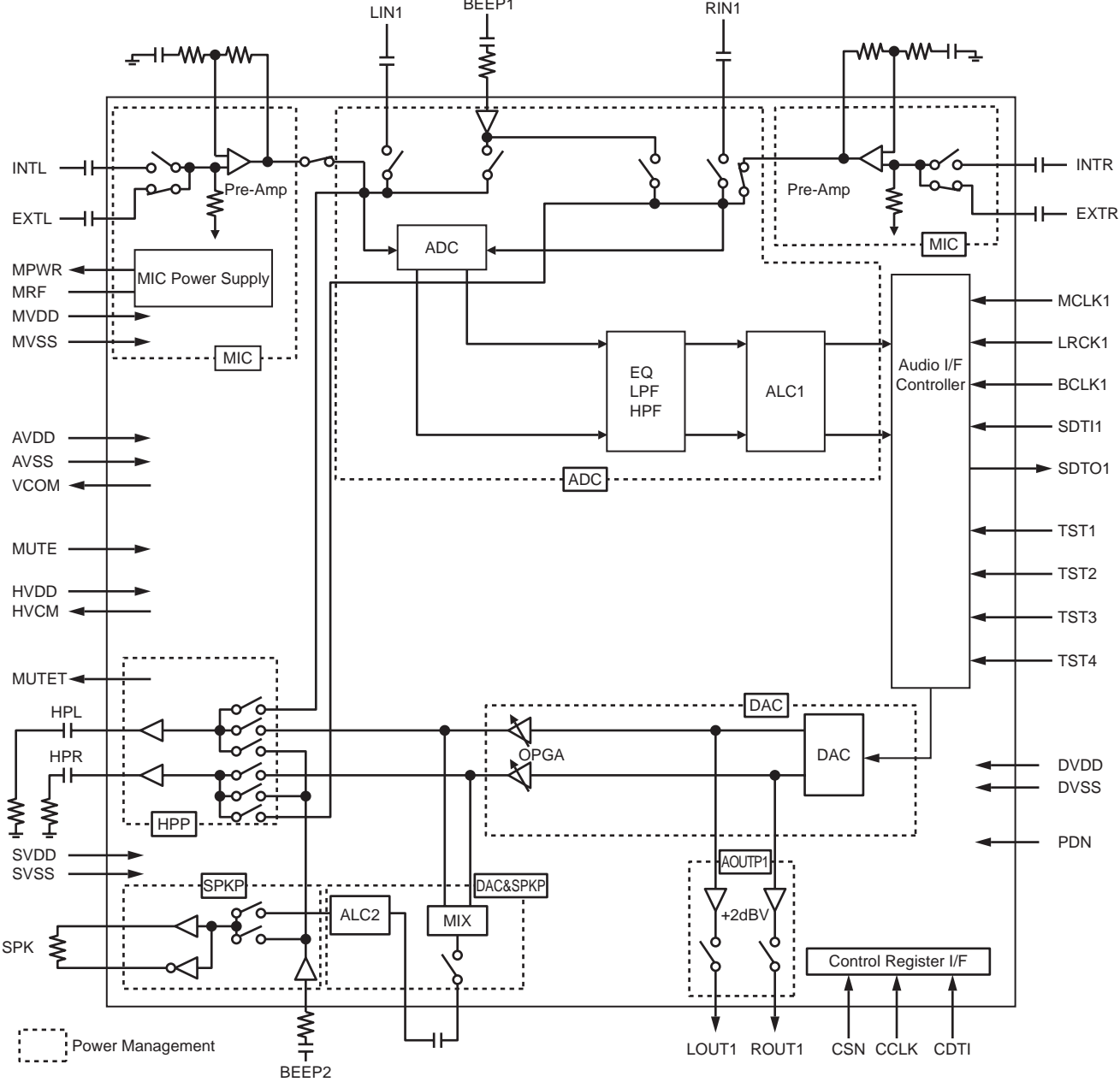


■ AK4664VQ [ASAHI KASEI] (16-Bit Stereo CODEC)

Pin layout



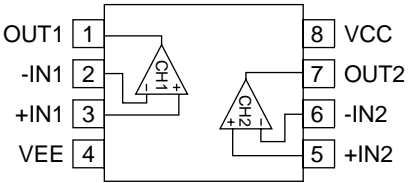
Block diagram



■ BA4580RFVM-W [ROHM]

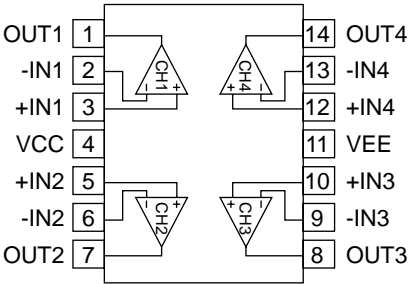
(Dual low noise operational amplifiers for audio application)

Block diagram



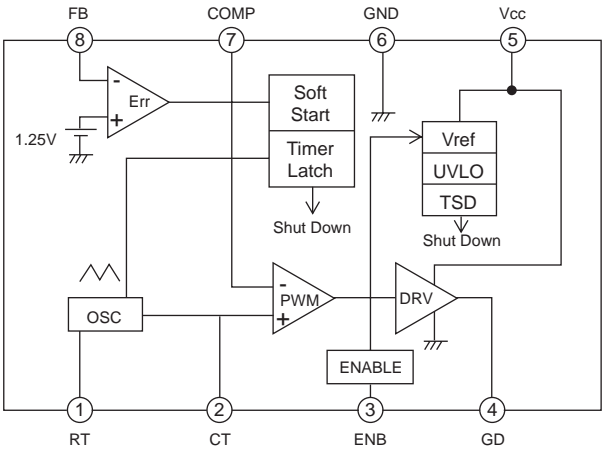
■ BA10324AFV-X [ROHM] (Ground sense quad operational amplifiers)

Block diagram



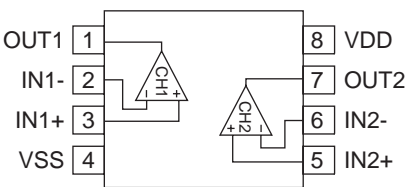
■ BD9305AFVM-W [ROHM] (1ch Step down DC/DC converter controller)

Block diagram



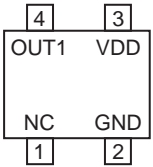
■ BU7462FVM-W [ROHM] (Output full swing CMOS operational amplifier)

Block diagram

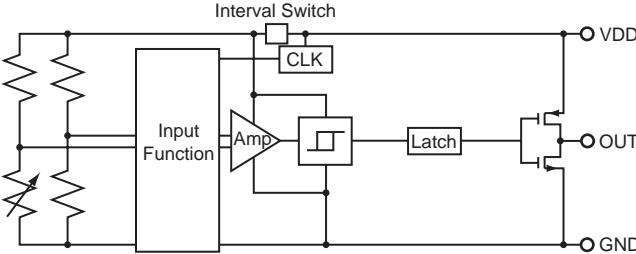


■ HGDESN031A-X [ALPS] (GMR-IC Magnetic sensor)

Pin layout

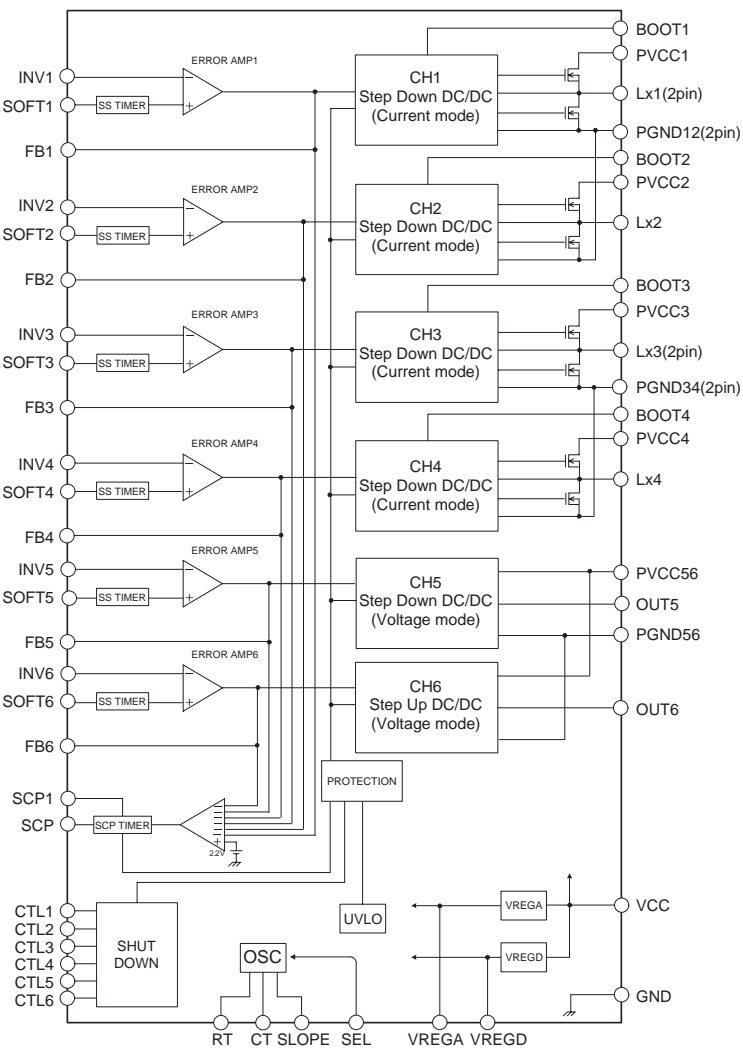


Block diagram



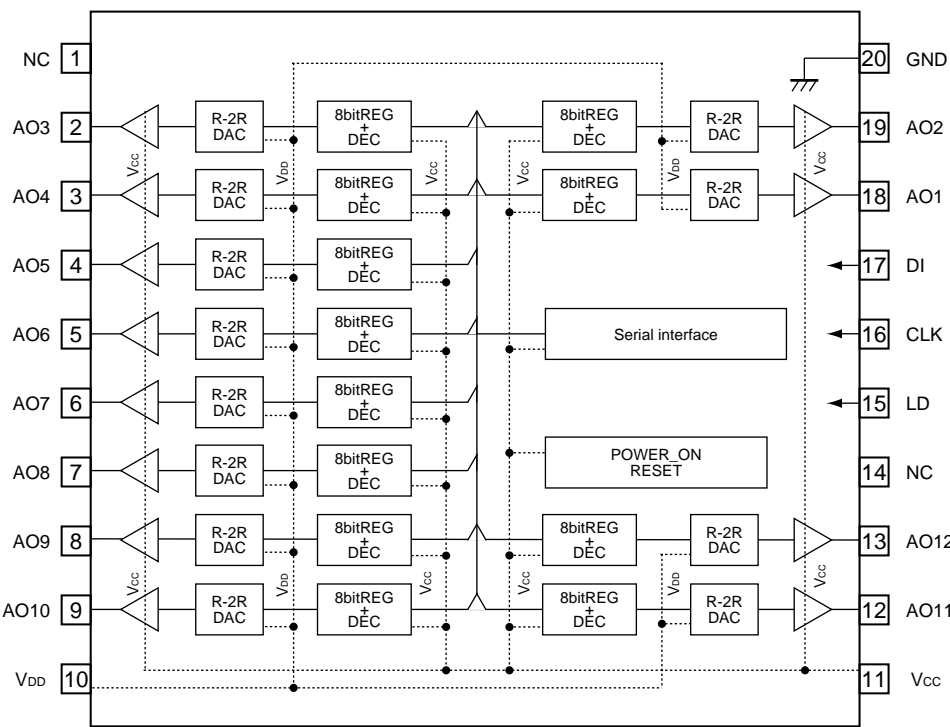
■ **BD9831AMWV-X [ROHM] (6 Channel switching regulator control system)**

Block diagram



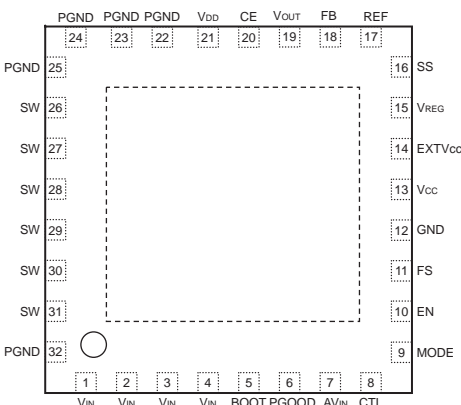
■ **BH2221FV-X [ROHM] (8bit 12ch D/A converter)**

Block diagram

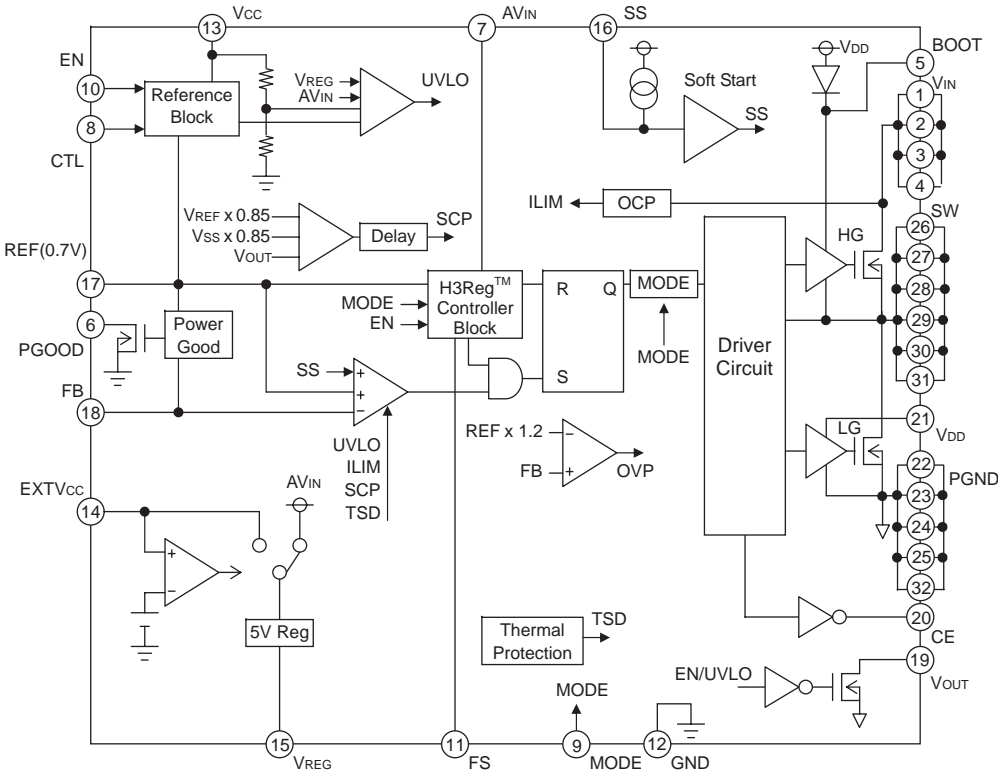


■ **BD95513MUV-X [ROHM] (Step down 1ch DC/DC converter controller)**

Pin layout

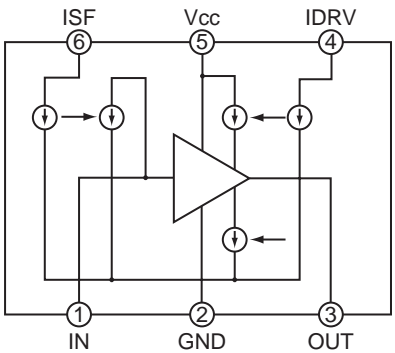


Block diagram

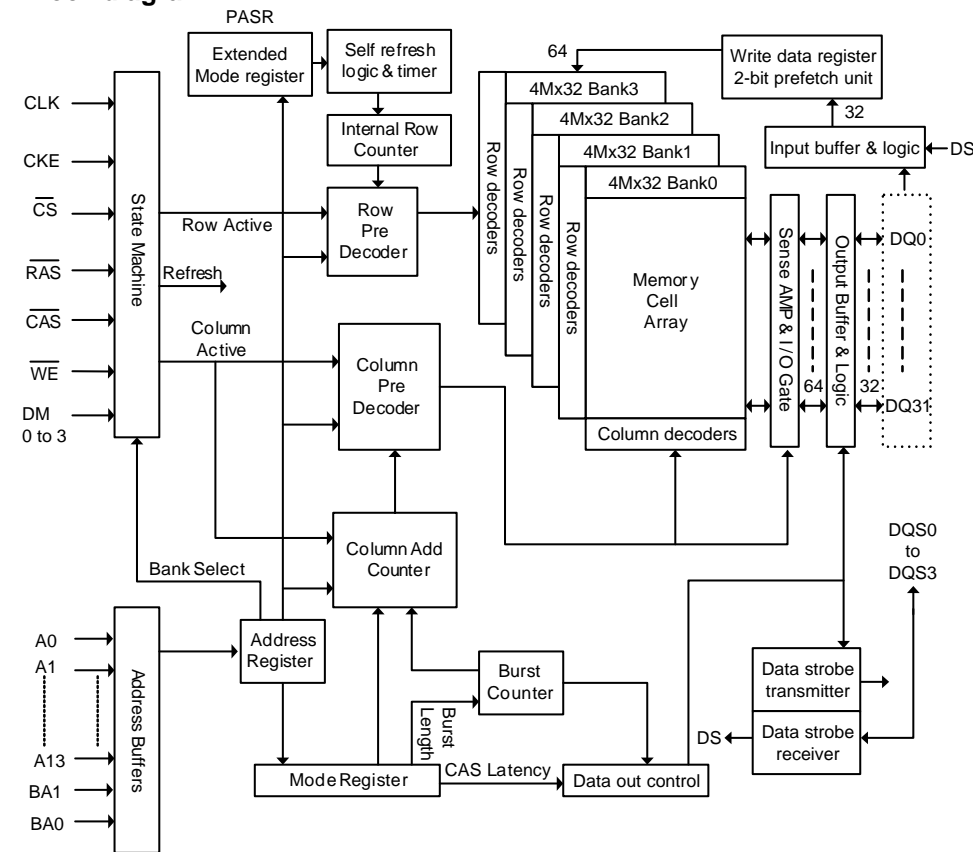


■ **CXA3691AEN-W [SONY] (High-speed buffer amplifier for CCD image sensor)**

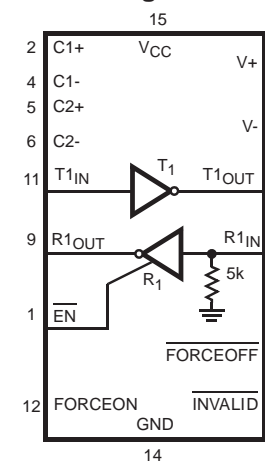
Block diagram



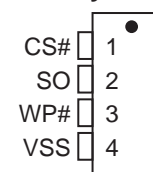
Block diagram



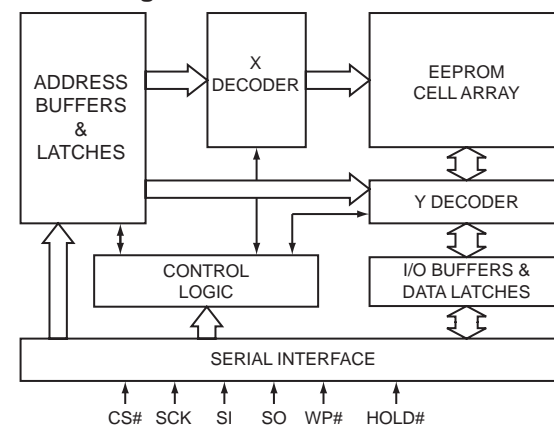
Block diagram



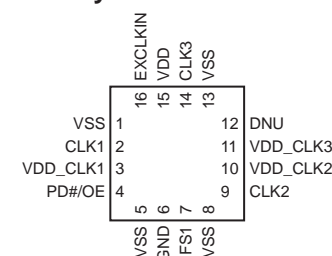
Pin layout



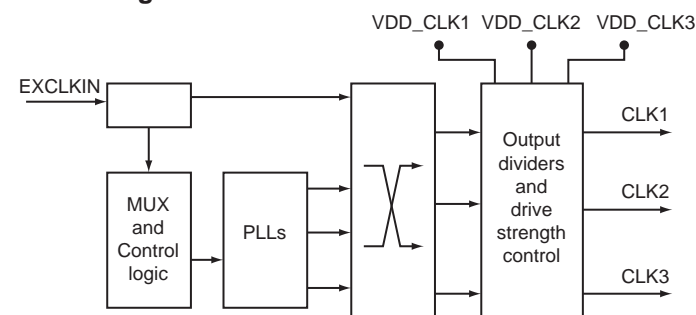
Block diagram



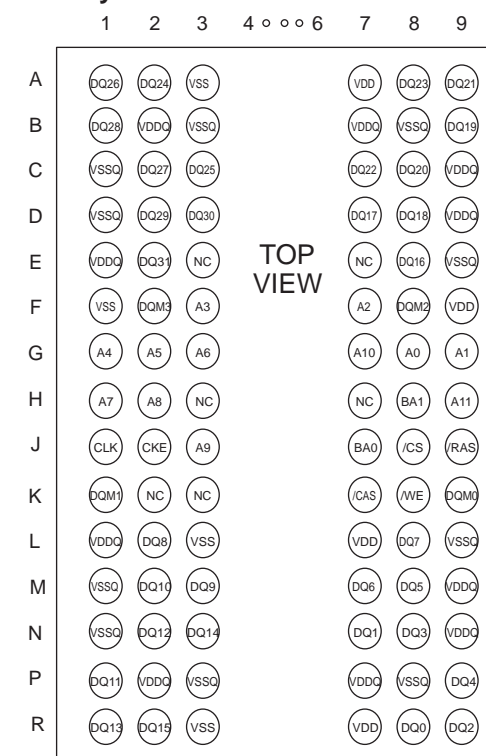
Pin layout



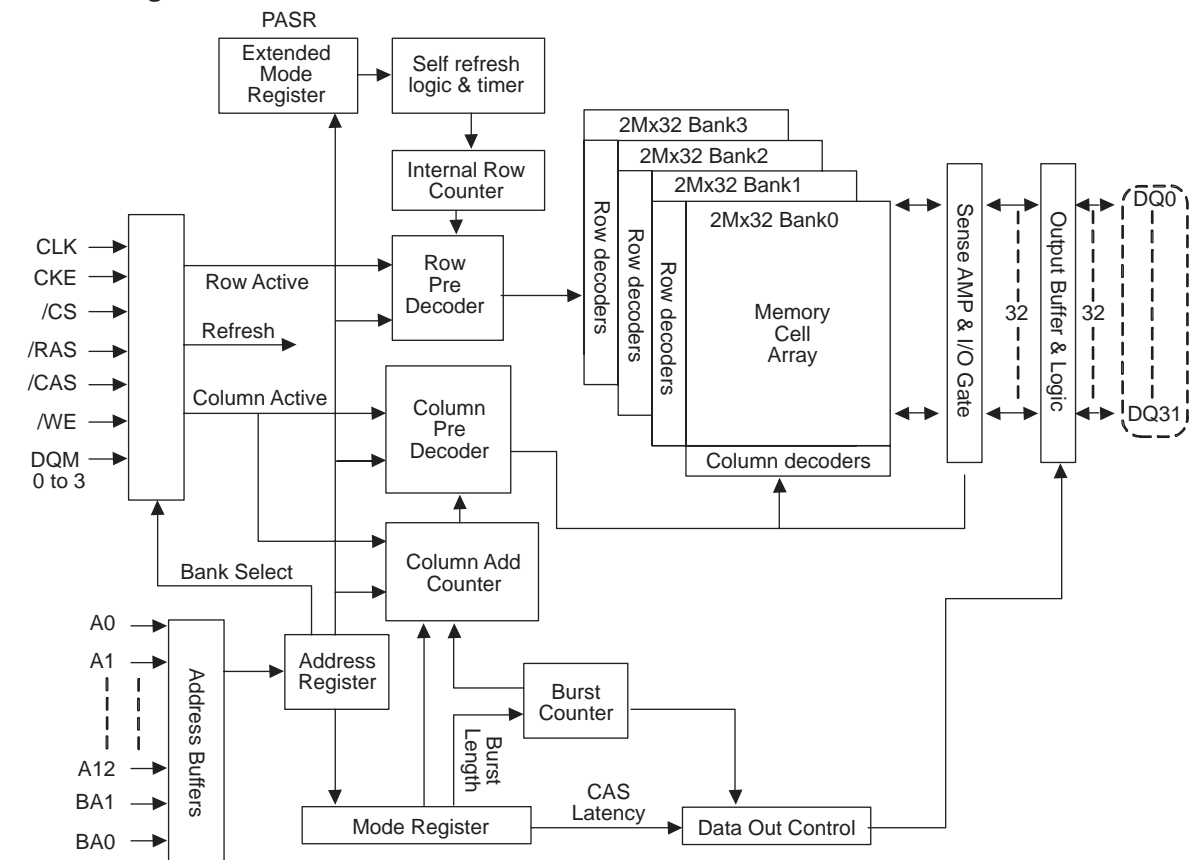
Block diagram



Pin layout

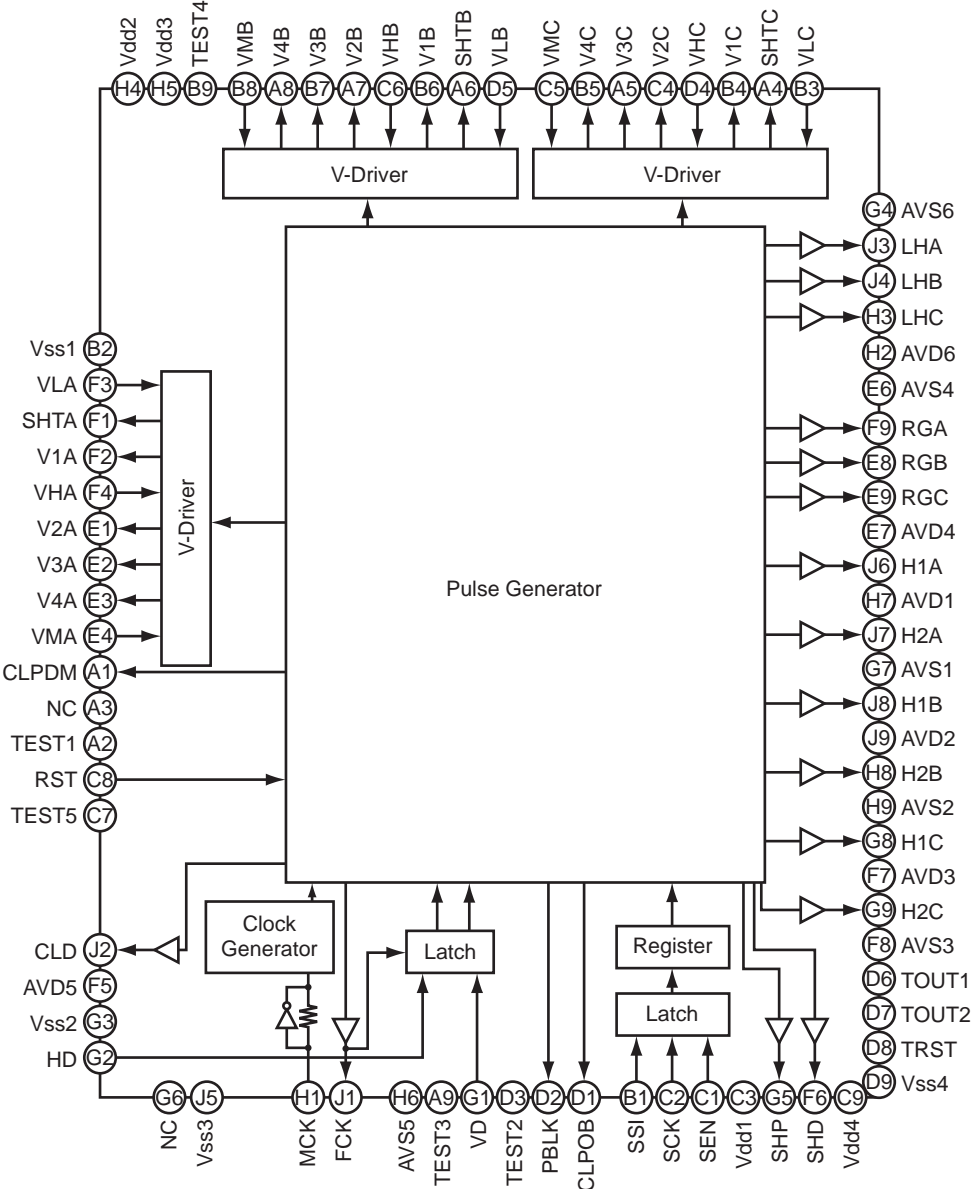


Block diagram



■ JCY0244 [SONY] (Timing generator for CCD image sensor)

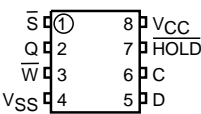
Block diagram



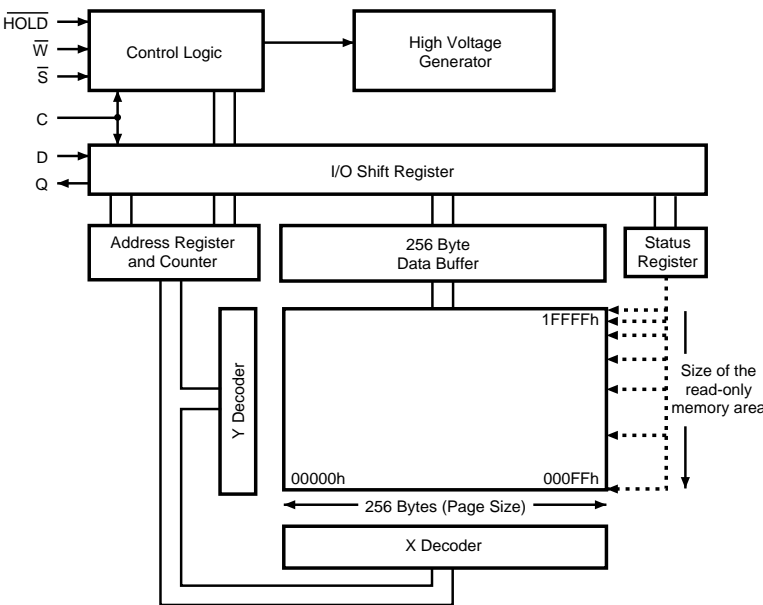
■ M25P16-VMN6-X [NUMONYX]

(16Mbit, serial Flash memory, 75MHz SPI bus interface)

Pin layout

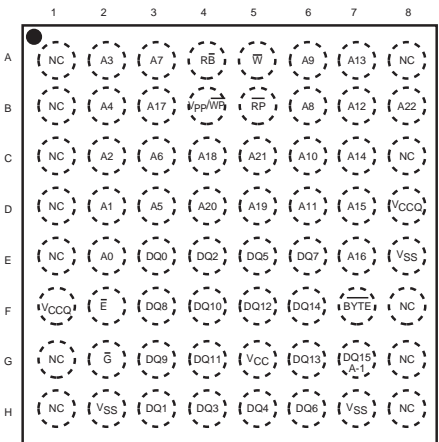


Block diagram

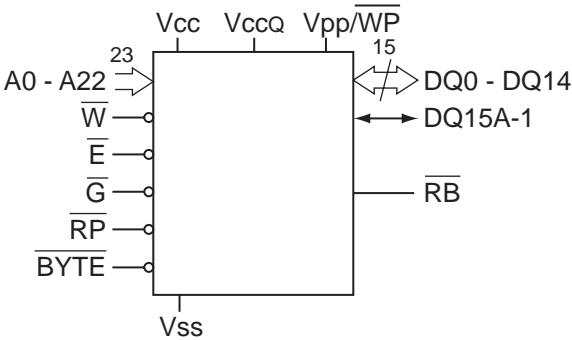


■ M29W28L70A6EH03 [NUMONYX] (128Mbit 3V supply flash memory)

Pin layout

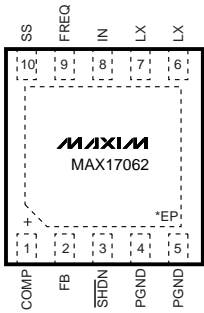


Logic diagram

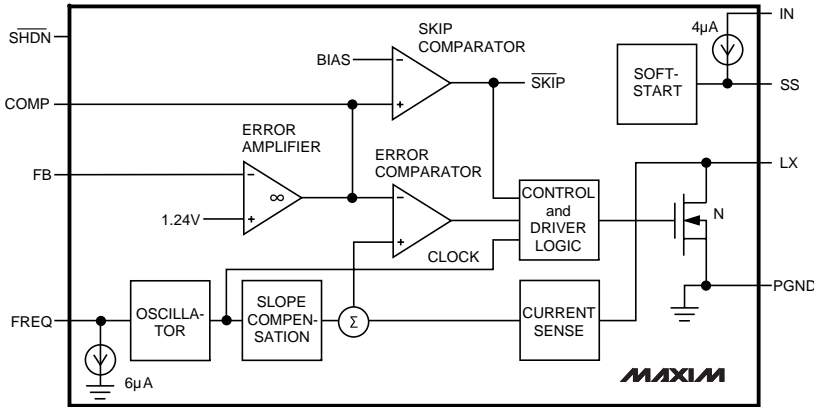


■ MAX17062ETB-X [MAXIM] (TFT LCD Step-up DC/DC Converter)

Pin layout

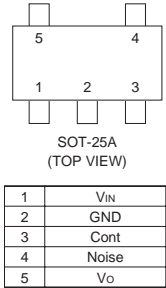


Block diagram

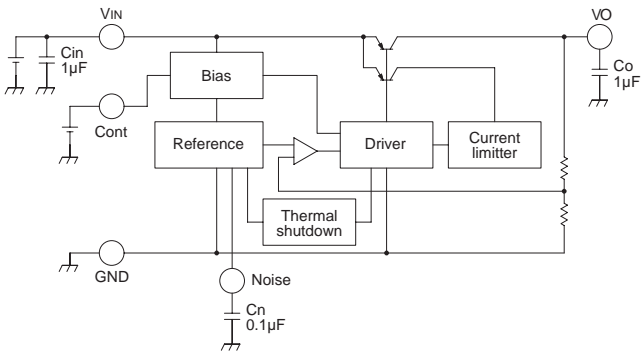


■ MM1573BN-X [MITSUMI] (150mA Regulator)

Pin layout

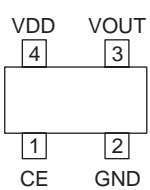


Block diagram

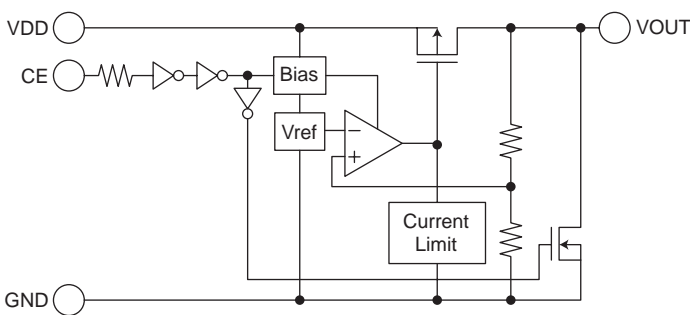


■ MM3464A31U-X [MITSUMI] (300mA Voltage regulator)

Pin layout

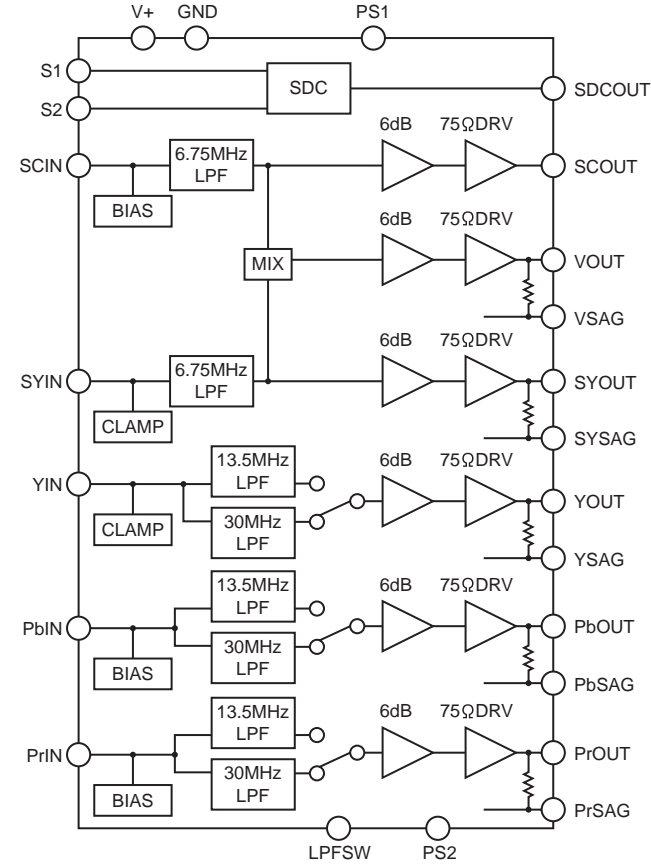


Block diagram



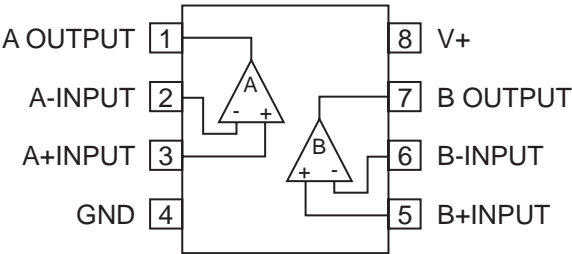
■ NJM2583ASF7-X [JRC] (6ch Video amplifier with SD/HD LPF)

Block diagram



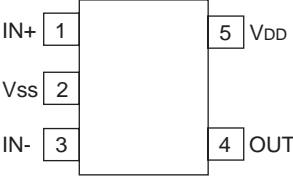
■ NJM2746RB1-W [NJR] (Single supply dual operational amplifier with full swing output)

Block diagram

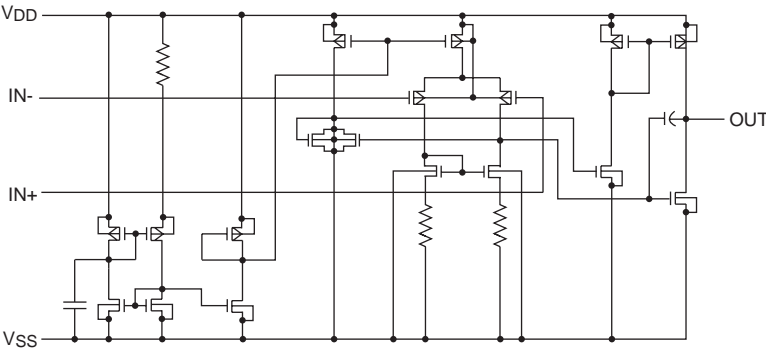


■ NJU7008F3-X [JRC] (Low power and low offset voltage super small sized single C-MOS operational amplifier)

Pin layout

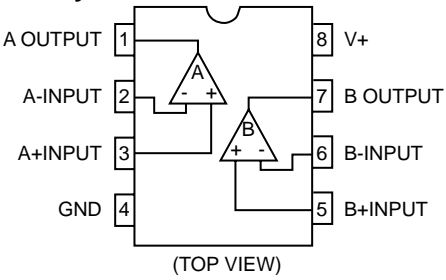


Block diagram



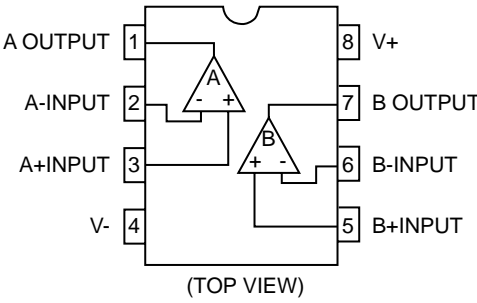
■ NJM2903RB1-X [JRC] (Single supply dual comparator)

Pin layout



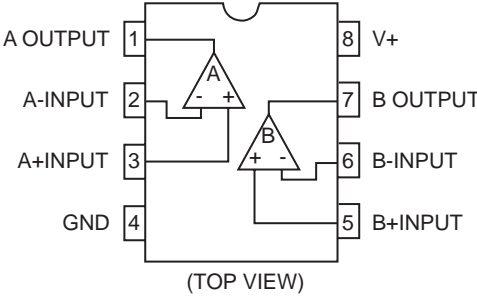
■ NJM3414AV-X [JRC] (Single supply dual high current operational amplifier)

Block diagram



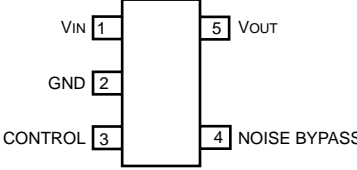
■ NJM12904RB1-X [JRC] (Single supply dual operational amplifier)

Pin layout

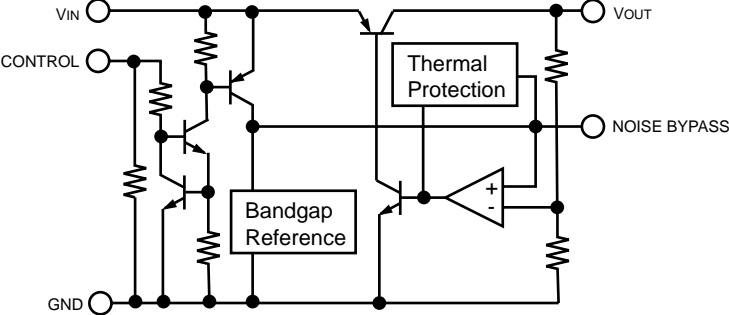


■ NJM2872BF05-X [NJR] (Low dropout voltage regurator)

Pin layout

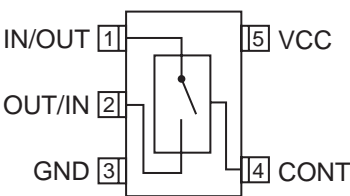


Block diagram

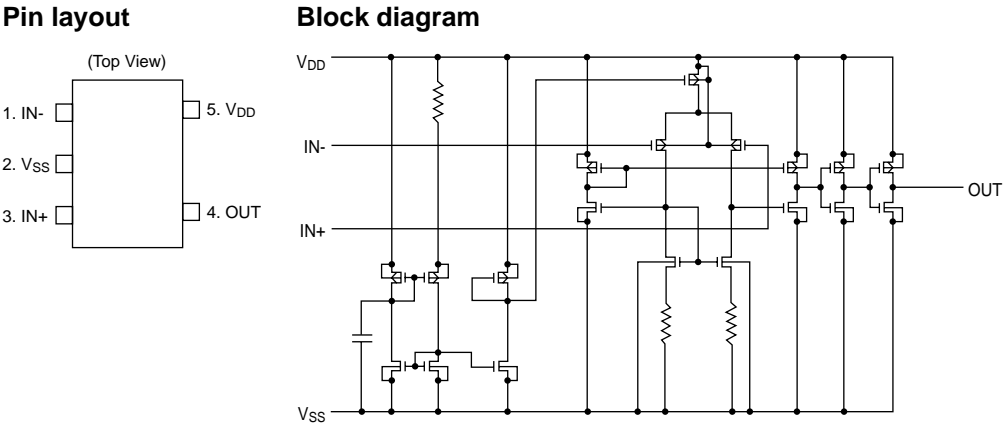


■ TC7S66FU-X [TOSHIBA] (Analog Switch)

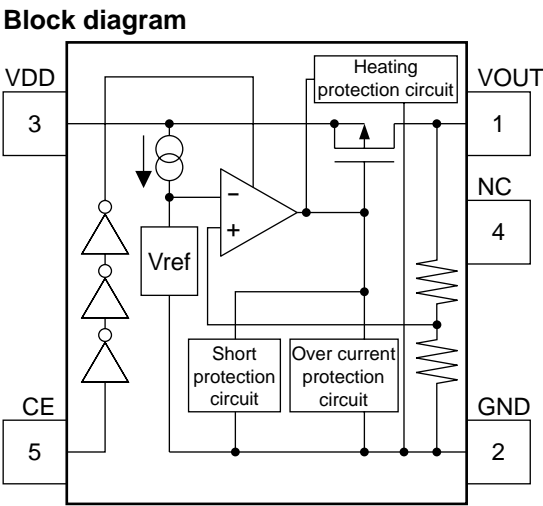
Block diagram



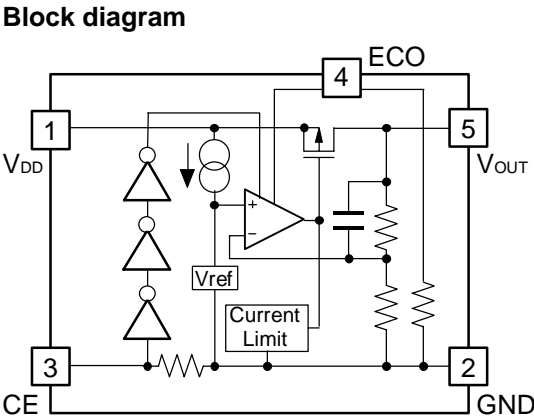
■ **NJU7108F3-X [NJR]**
(Low power and low offset voltage super small-sized single C-MOS comparator)



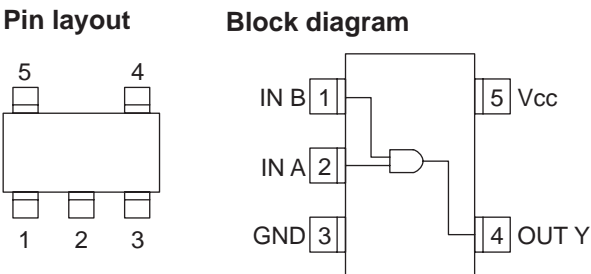
■ **R1154N033B-X [RICOH]** (Voltage regulator)



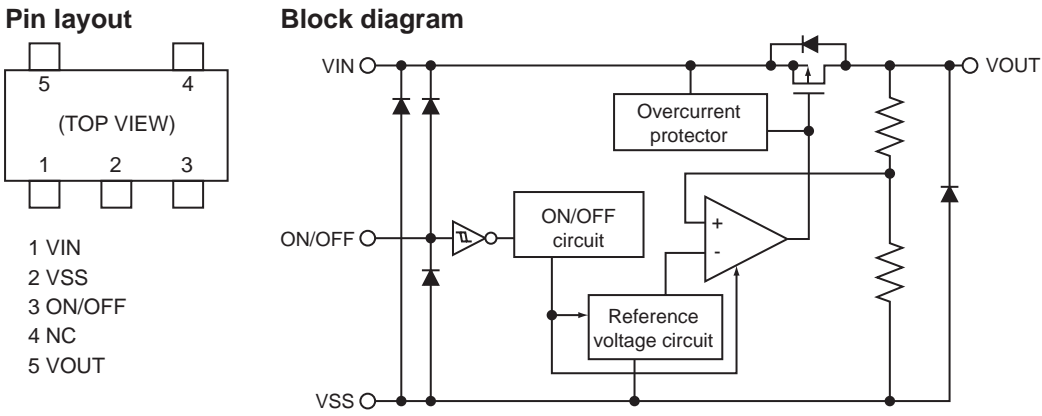
■ **R1160N181B-X [RICOH]** (3-Mode 200mA LDO regulator)



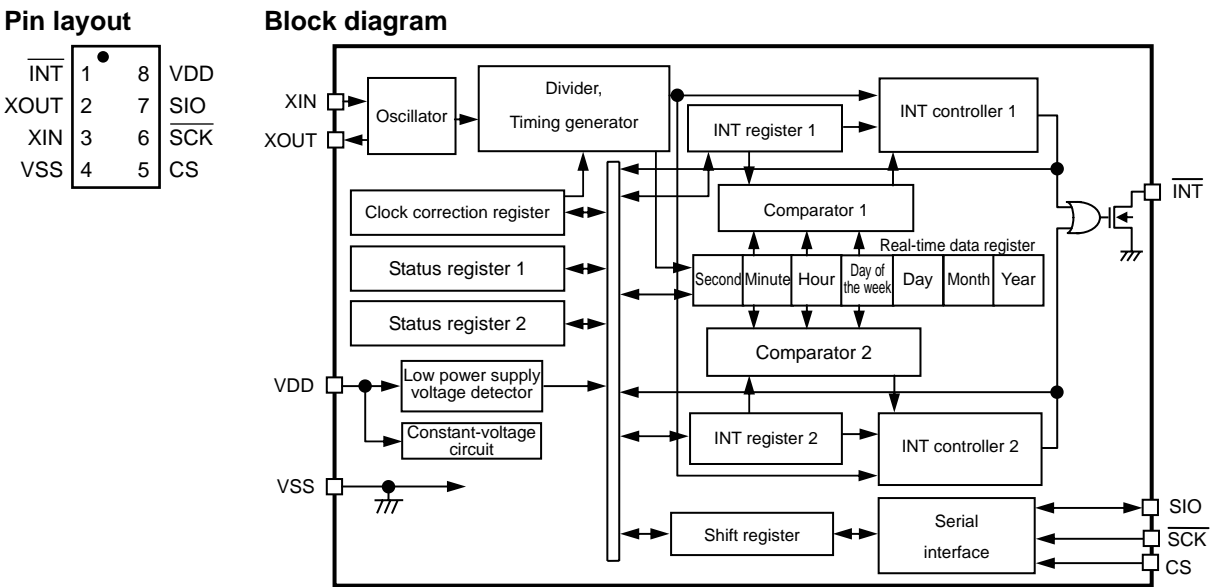
■ **TC7SET08FU-J-X [TOSHIBA]** (2-Input AND gate)



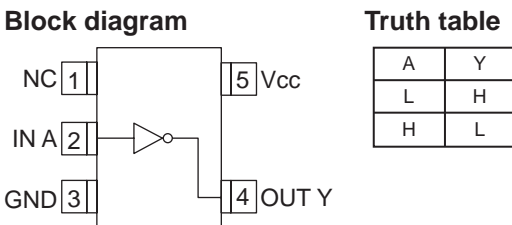
■ **S-1112B18MC-W [SEIKO]** (Regulator)



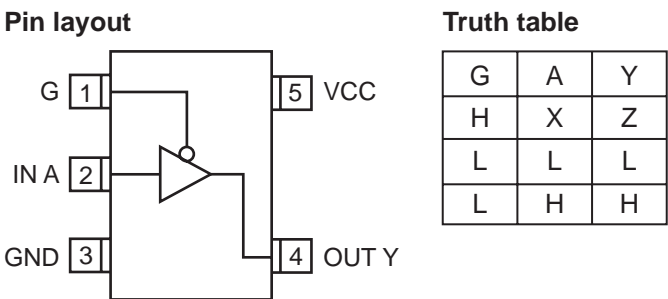
■ **S-35190A-G-X [SEIKO]** (3-Wire real time clock)



■ **TC7SH04FU-J-X [TOSHIBA]** (Inverter)

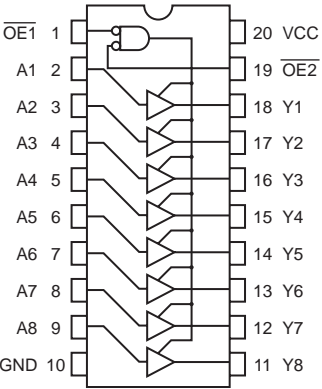


■ **TC7SH125FU-X [TOSHIBA]** (Bus buffer with 3-STATE output)



TC74VCX541FK-X [TOSHIBA]
 (Low voltage octal bus buffer with 3.6V tolerant inputs and outputs)

Block diagram



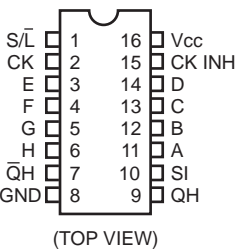
Truth table

INPUTS			OUTPUTS
OE1	OE2	An	
H	X	X	Z
X	H	X	Z
L	L	H	H
L	L	L	L

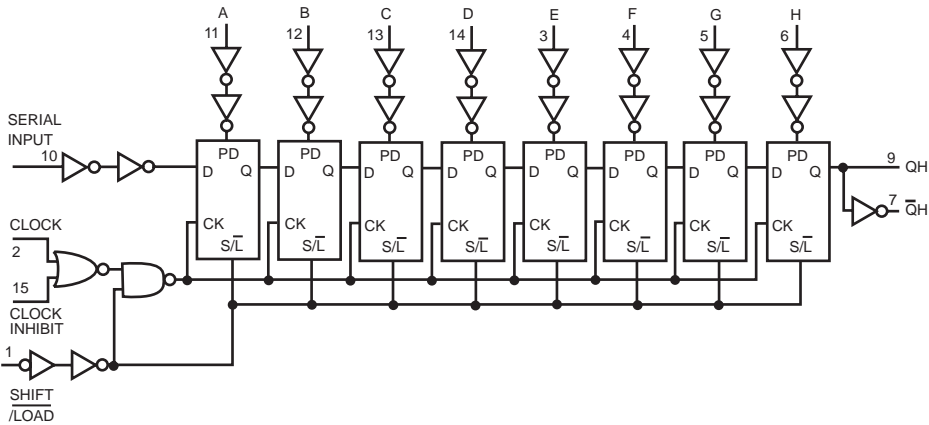
X : Don't Care Z : High impedance

TC74VHC165FTK-X [TOSHIBA] (8-Bit shift register)

Pin layout

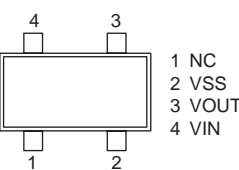


Block diagram

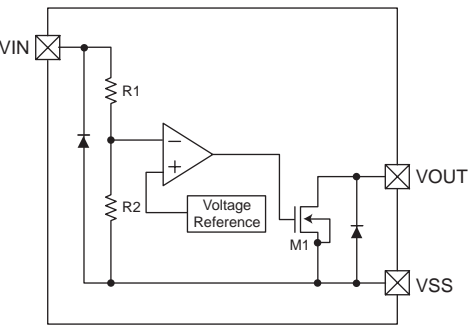


XC6120N232NG-X [TOREX] (Regulator)

Pin layout

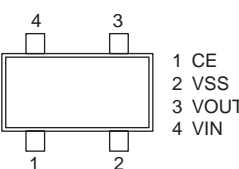


Block diagram

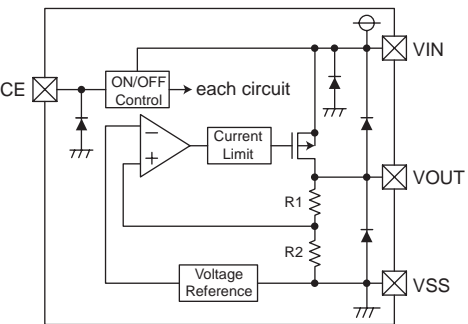


XC6213B312NG-X [TOREX] (High speed LDO regulator)

Pin layout

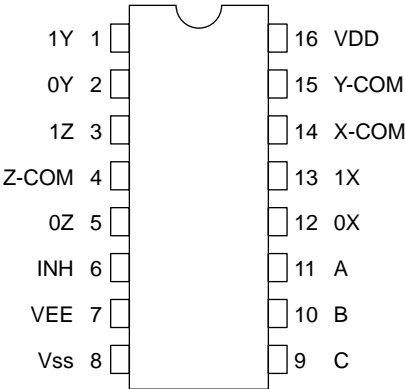


Block diagram



TC4053BFT-X [TOSHIBA] (Triple 2-Channel multiplexer/demultiplexer)

Pin layout

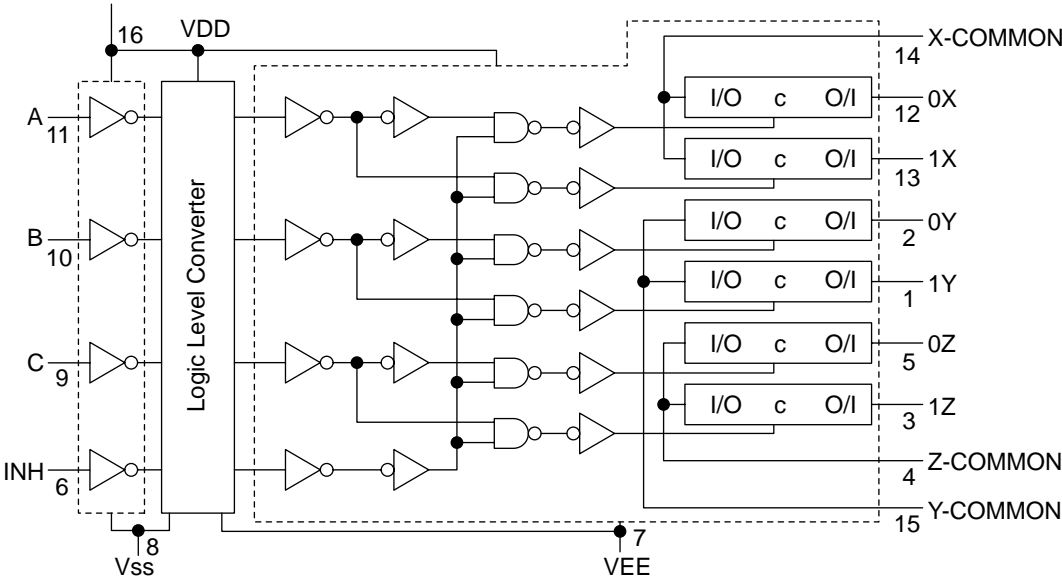


Truth table

Control Inputs				"ON" Channel
Inhibit	C	B	A	
L	L	L	L	0X, 0Y, 0Z
L	L	L	H	1X, 0Y, 0Z
L	L	H	L	0X, 1Y, 0Z
L	L	H	H	1X, 1Y, 0Z
L	H	L	L	0X, 0Y, 1Z
L	H	L	H	1X, 0Y, 1Z
L	H	H	L	0X, 1Y, 1Z
L	H	H	H	1X, 1Y, 1Z
H	*	*	*	None

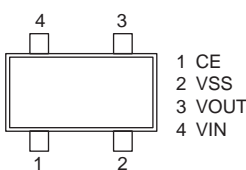
* Don't care

Block diagram



XC6213B332NG-X [TOREX] (High speed LDO regulator)

Pin layout



Block diagram

