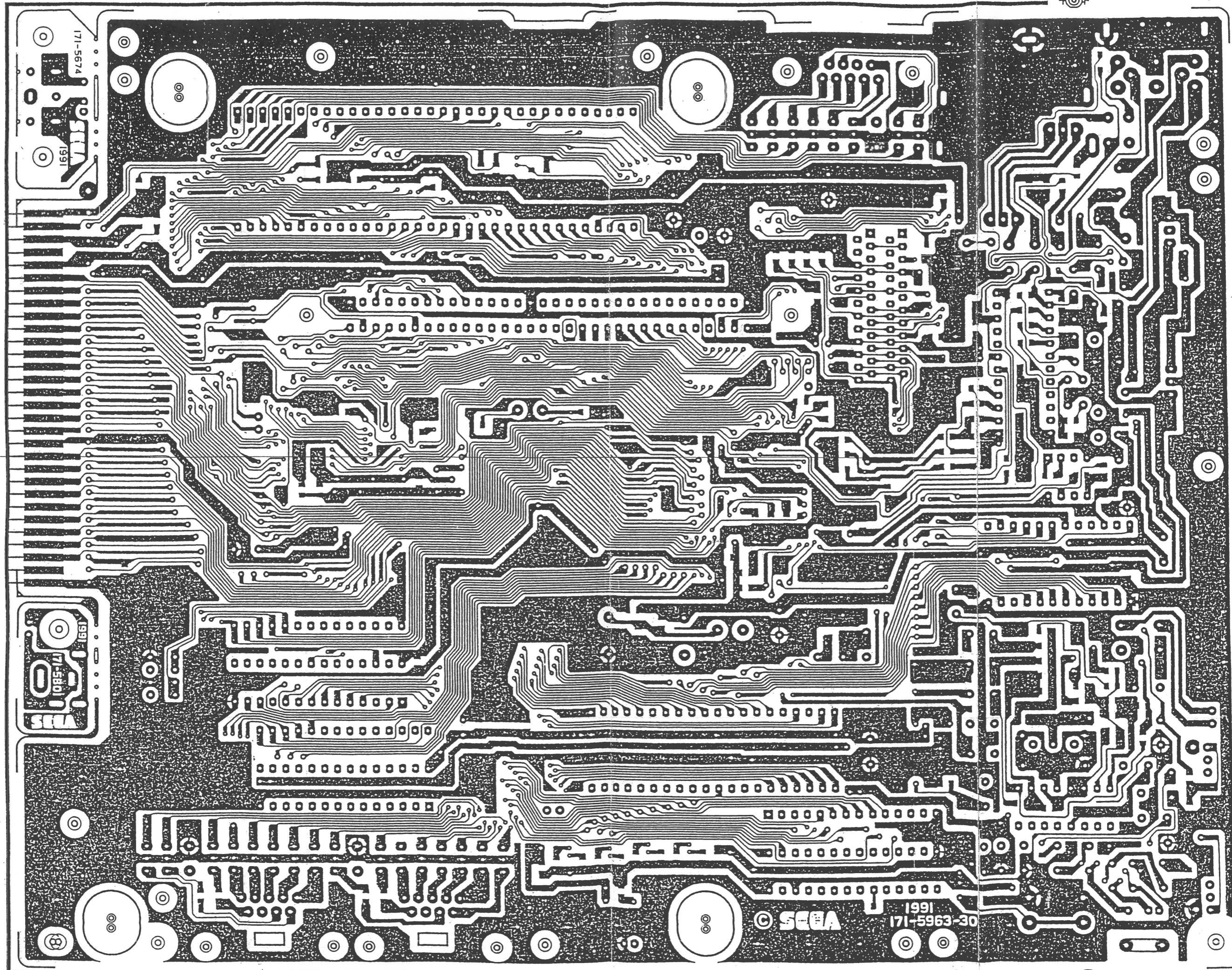


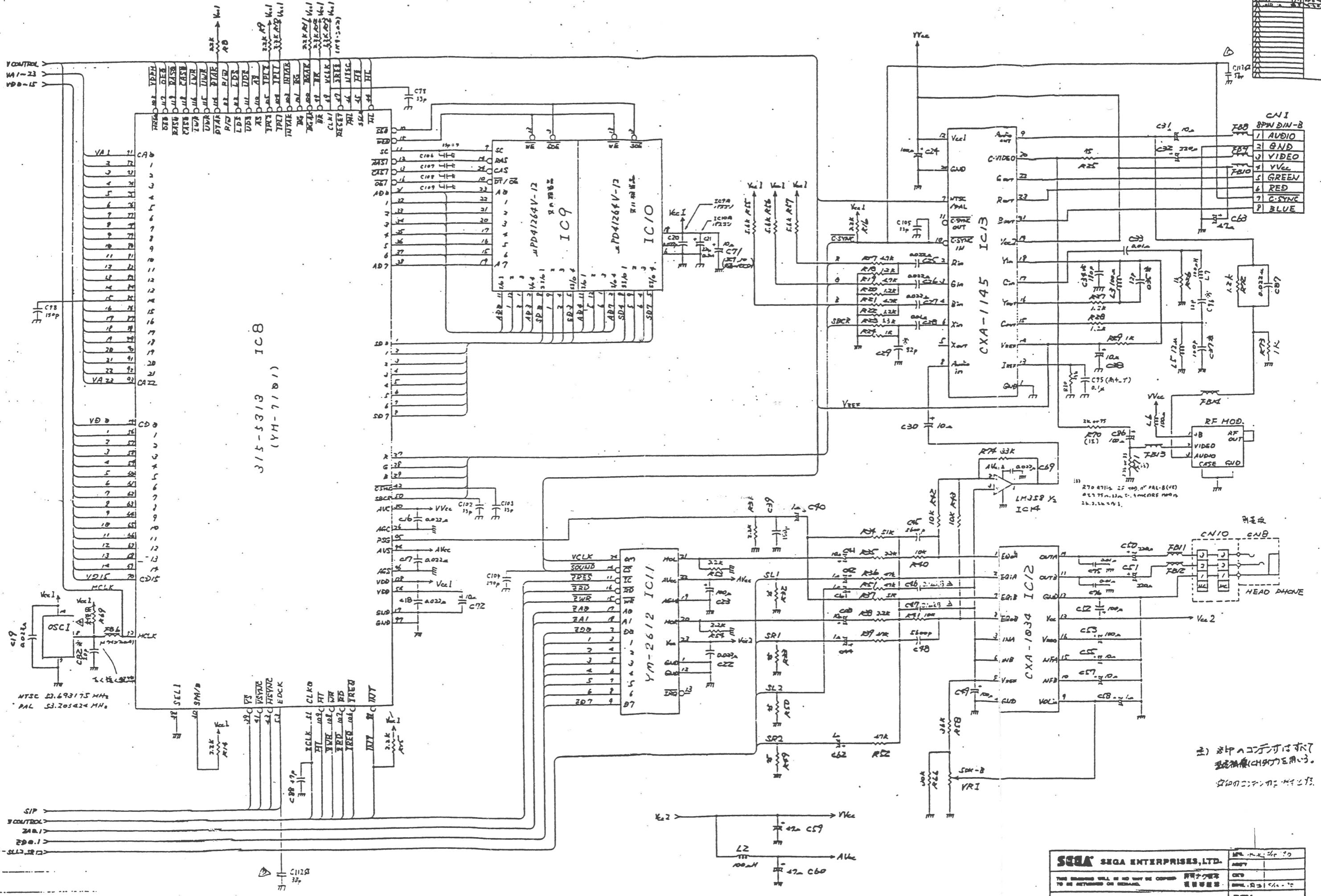
PC BD M5 PAT. VA6.5 MATN RD Comp Side Layer

171 - 5963 - 20.9
171 - 5963 - 30

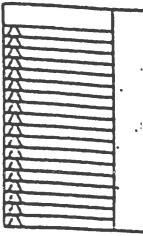
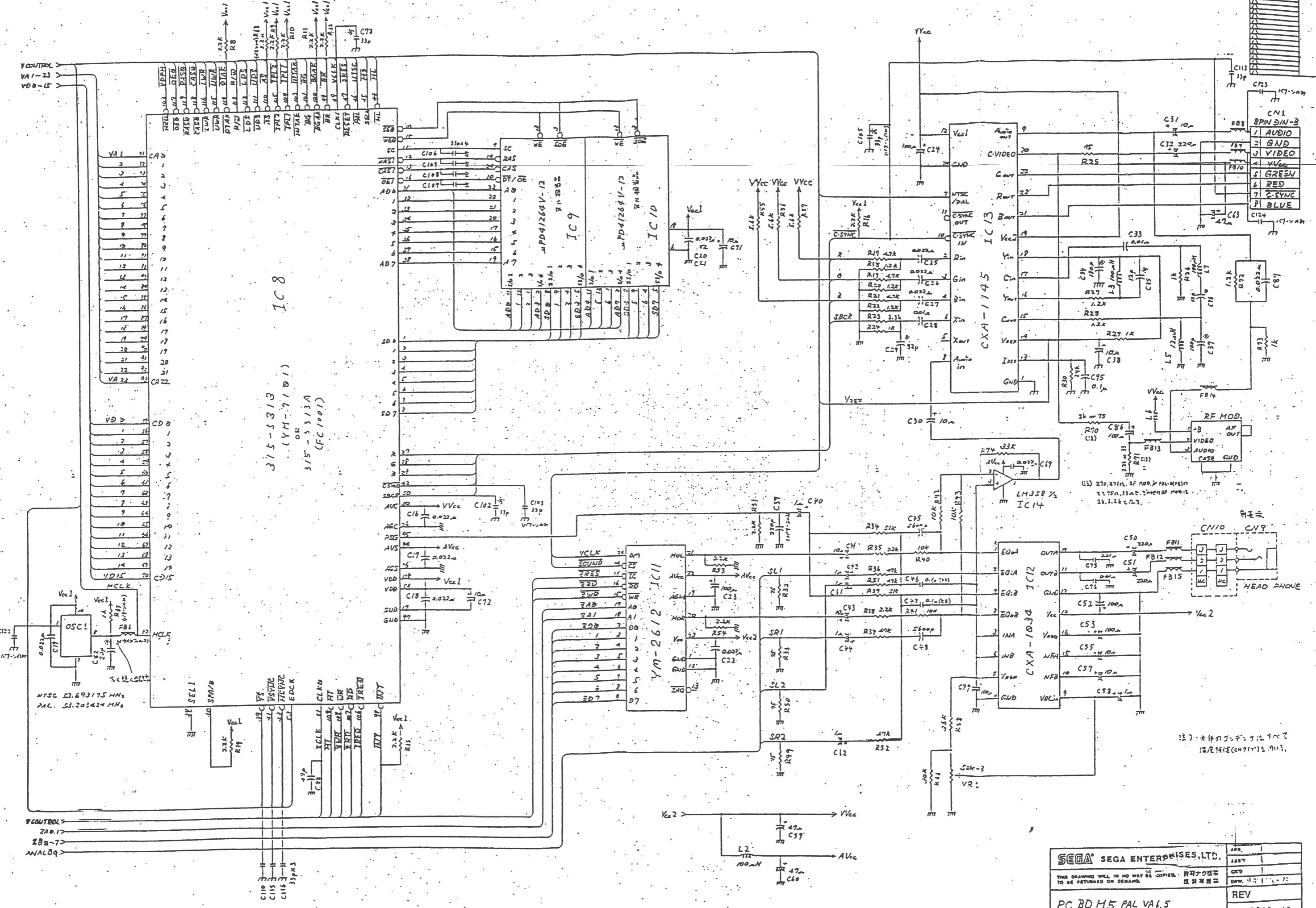
91. 1. 19
91. 5. 17



PC BD M5 PAL VA6.5 MAIN BD Sold Side Layer



SEGA® SEGA ENTERPRISES, LTD.		REF. NO. 247-70
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THIS DISKETTE WILL BE IN NO WAY BE COPIED TO BE RETURNED ON REQUEST		DATE 9.30.1984
		REV
PC 8045 PAL V4 MAIN -G Version		171-5872-20
DESCRIPTION	PRINT	REEL



CN1 8PIN DIN-3

1 GND
2 VIDEO
3 GREEN
4 SYNC
5 BLUE

R72 0.022uF
C89 1k

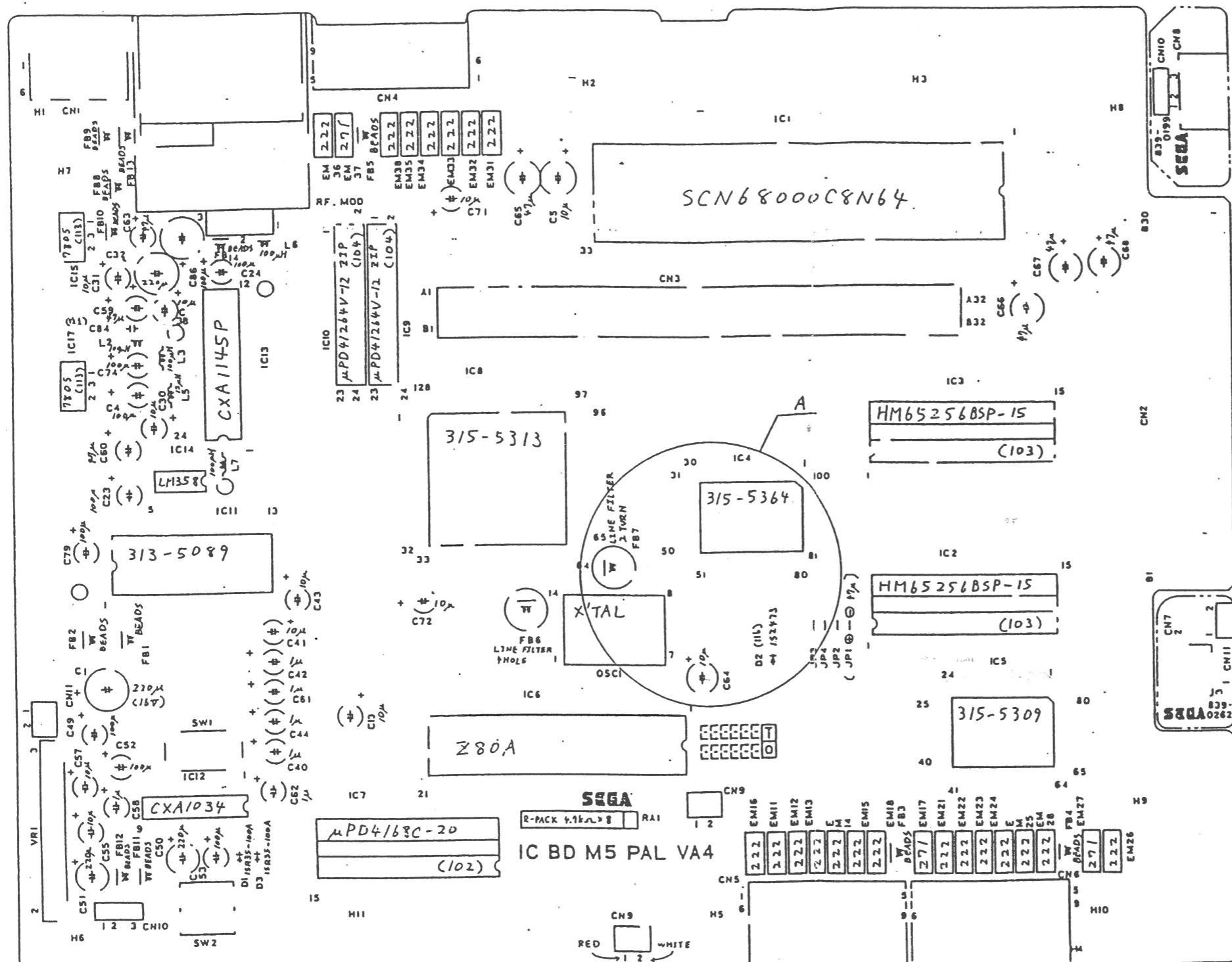
CN10 CN9
HEADPHONE

12 13 14 15
16 17 18 19
20 21 22 23
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28 29 30 31
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34 35 36 37
38 39 40 41
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MEGA DRIVE

PAL-G (GERMANY)

MOUNT DIAGRAM



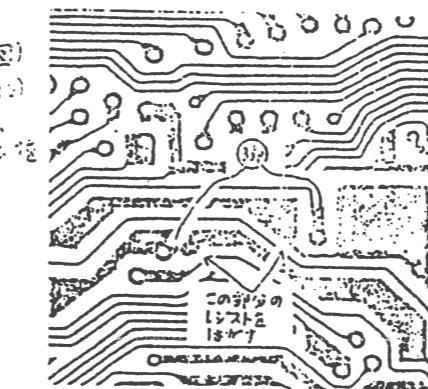
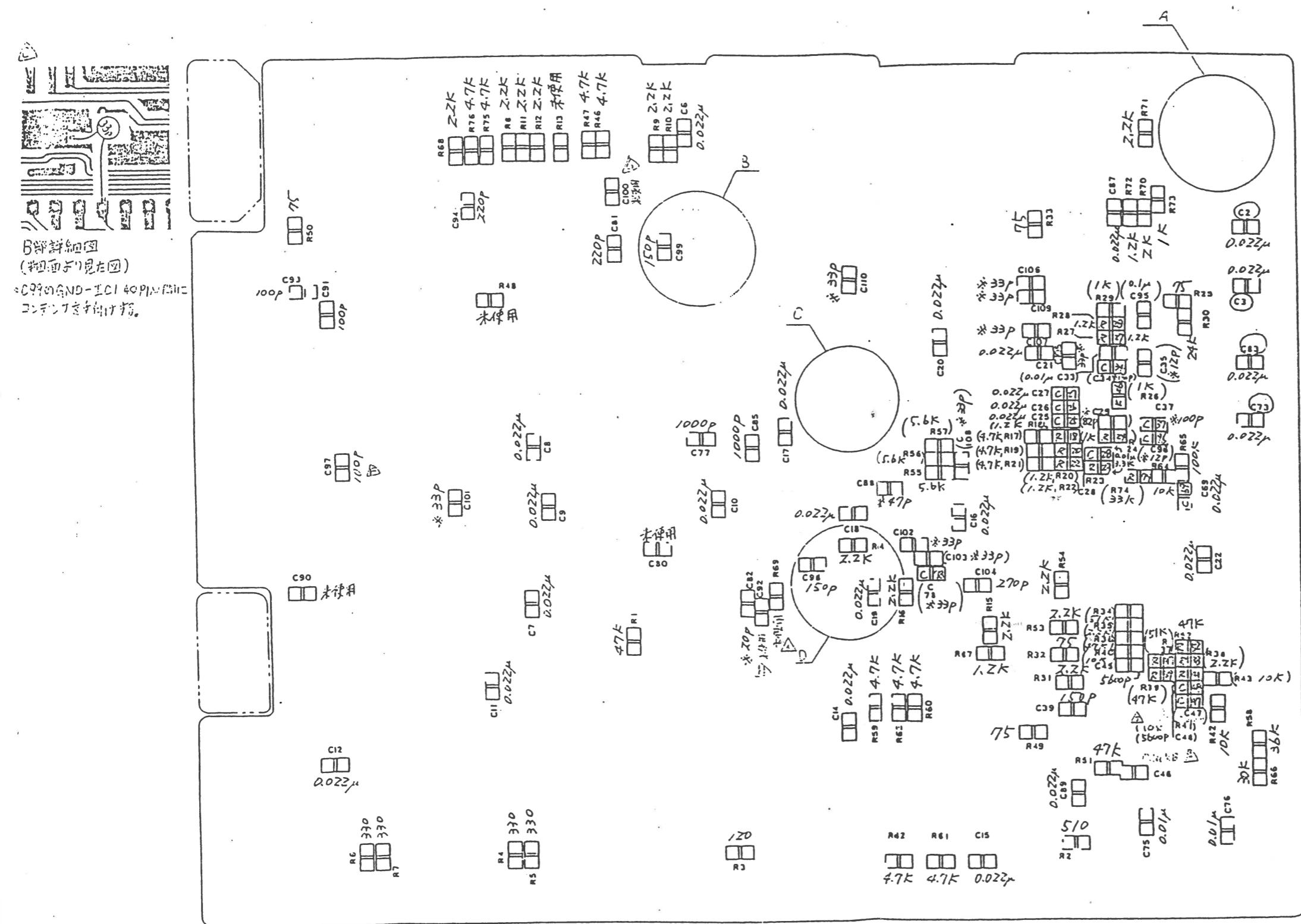
A部詳細図
(部品面より見た図)

図面に示す部分のレジストをはがし、OSCの横のランド間にコンデンサを手付けする。

1. 839-2361(D-1/4)において、O印で囲んであるコンデンサが角4つ(?)の場合、C84(0.1μ)は、平用で、
2. 相当品の方(手前)に肉して(?)内にP/LIST番号のD/N#を示してあるので、P/LIST参照のこと。
3. CN9は、一面ピンに赤いドット、2面ピンに白いドットを表す(?)こと。
4. IC2, IC3が300 mil 91°のICの場合15ビン(?)に寄せて取り付け3=2。
5. IC7が300 mil 91°のICの場合15ビン側12寄せて取り付け3=2。
6. 基板外周の半周リベラとしてある部分(P-9 GND)は、基板アセンブリ後、3.3Ωに仕上げた様に3=2。
(4回に分けて凹凸があること)(マスキング処理を行なう)

Comp Side

SEGA SEGA ENTERPRISES, LTD.		THIS DRAWING WILL BE IN THE STATE OF CALIFORNIA. IT IS DRAWN IN METRIC.		
LIMITS UNLESS OTHERWISE SPECIFIED 一寸公差		3RD QUAT. PROJ. DRAWING 読三角法		
SCALE 比例		1:1	MATERIAL	REV.
DIM. IN 英寸		mm	HEAT TREAT. 温度処理	
		5/16 - 1/2	FINISH 表面処理	
		mm	REMARK	W.M. 10/20
			REV.	
IC BD M5 VA4 PAL-G MAIN		337-7460 (0-2/3)		
DESCRIPTION 詳細		PART NO. 部品番号		



S o l d S i d e

SEGA		SEGA ENTERPRISES, LTD.		THE DRAWING WILL BE IN THE ENGLISH. SI NELLA VERSIONE IN ITALIANO.		セガ・エンタープライズ 株式会社	
LIMITS UNLESS OTHERWISE SPECIFIED 一般公差		3RD QUAT. PHOT. DRAWING DATE 3月		MATERIAL MS	M ED	M HS	半径
		SCALE 1:10	/				半径
		DIM. IN 吋	mm				半径
							半径
							半径
							半径
							半径
MATERIAL MM		HEAT TREAT. 热处理		FINISH 表面处理		REMARK 备注	
PC ED MS 1A4 PAL-G C110						339-0311 (2-1-3)	
		DESCRIPTION 詳細				PART NO. 008-0008	

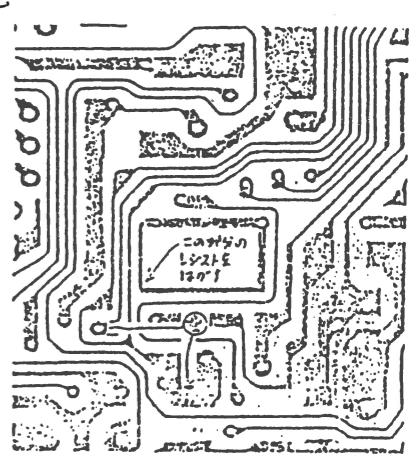
1. 表面中性印のひもコンデンサ付
温度補償ダイアグラム
2. 表面中性印の熱入込みコンデンサ付
ループ熱電対、熱電流、CEZAF、
電子ガス監視センサ、AFEST等

A部斜組図 (斜面を)見た図)

- ・CNI 7PIN-RF.MODのケーブル端子にラジオヘッドを付ける。

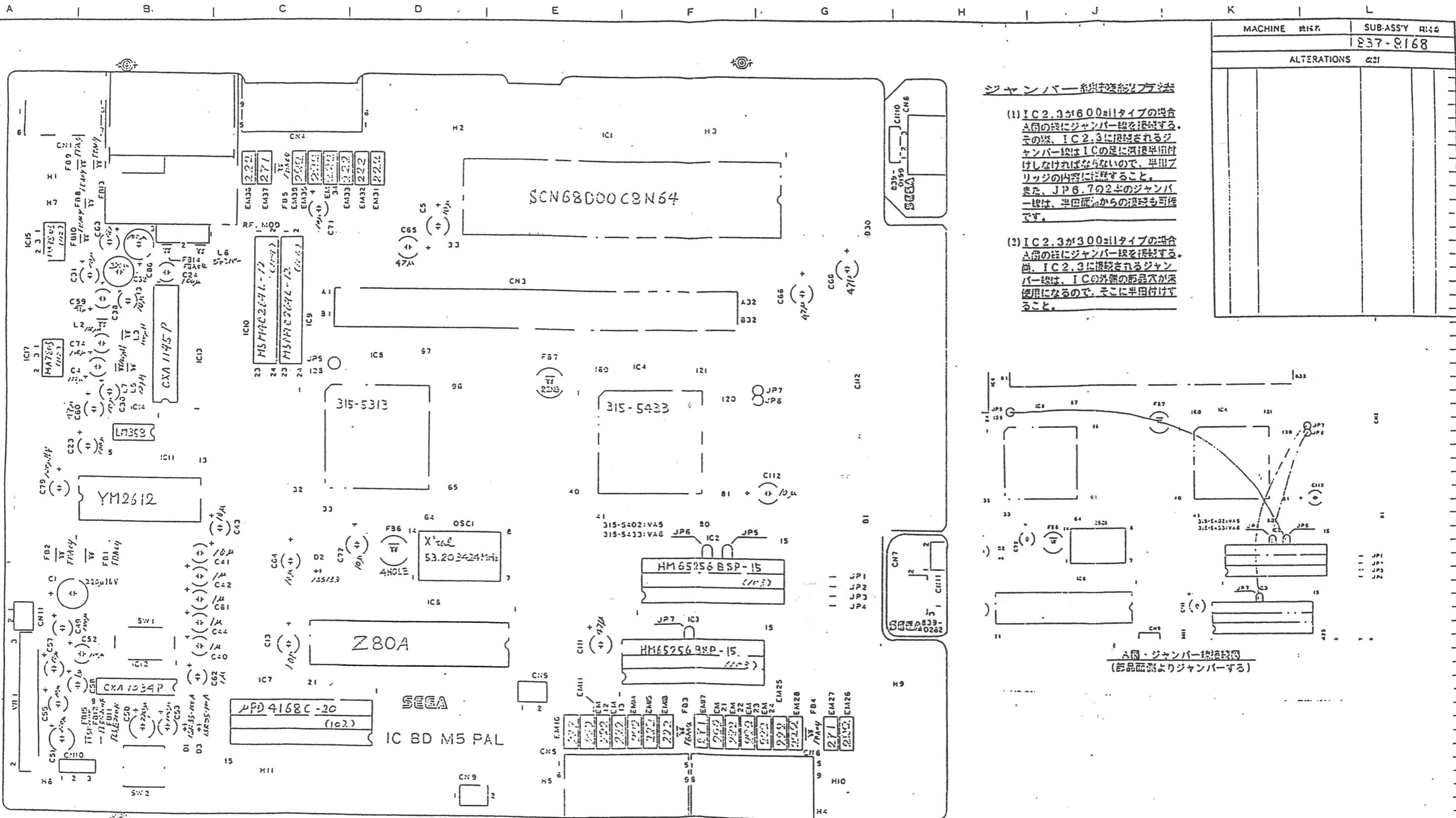
注意。シートドライに当たる場合
には内側に干す"内干"

MACHINE #		SUB-ASS'Y #	
337-7460			
ALTERATIONS		ATT	
581	MAS 1500 - MAS 1500	4/10/1981	MAS
15			
1A			
DE			
31K	ADD	1/1/81	
3C	MAS 1500	1/1/81	
31	MAS 32K	1/1/81	
3E	MAS 5K	1/1/81	1/1/81
23	ADD NOTE	1/1/81	1/1/81
34	MAS 9.7K	1/1/81	1/1/81
5E	VOID 1K	1/1/81	1/1/81



- ①部群図(物种別)見た図)
 - 図に示す部分のリストをほがし、C19を含む
その間にコンド、アセト酸はあります。

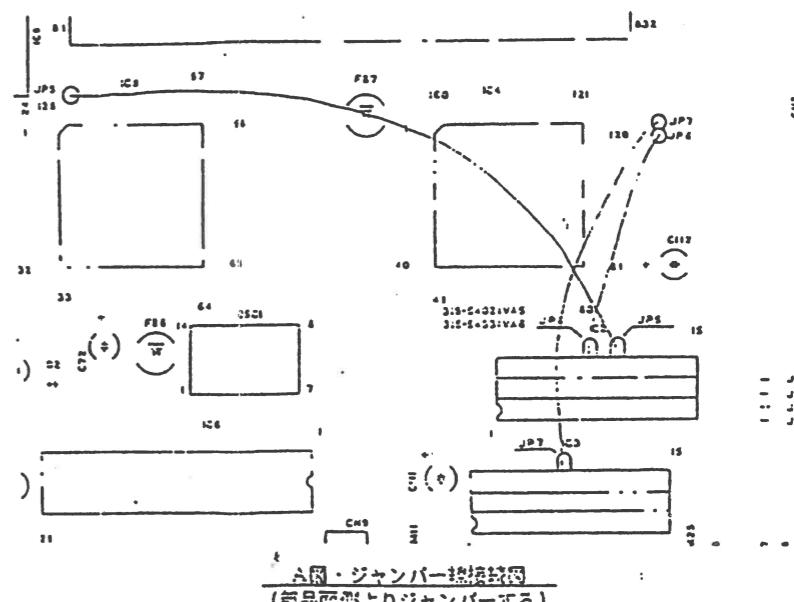
1. 表面中性印のひもコンデンサ付
温度補償ダイアグラム
2. 表面中性印の熱入込みコンデンサ付
ループ熱電流、CEZAF,
電子ガス感度計のAFEST等



ジャンバー接続箇所図

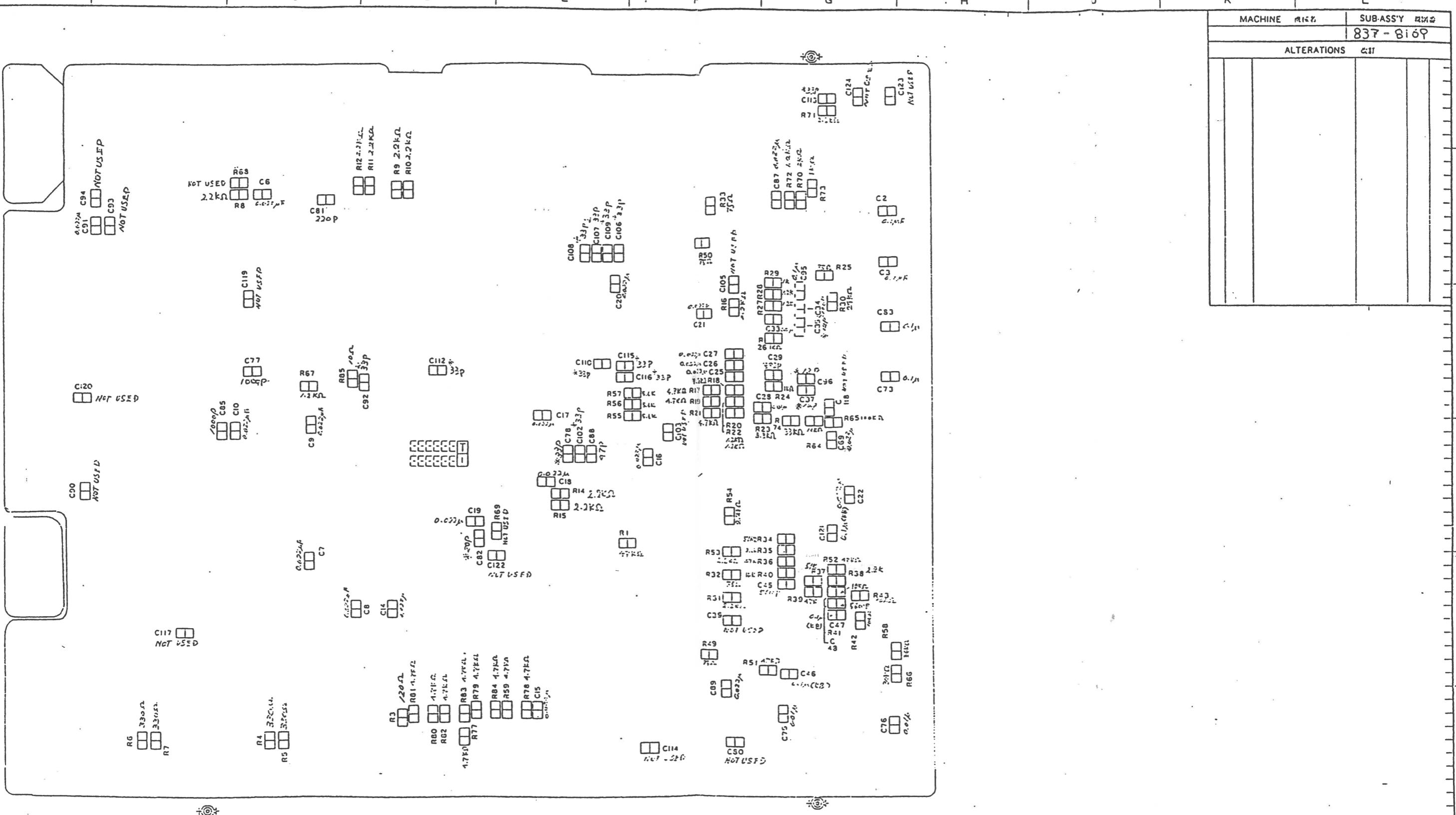
(1) IC2,3が600miliタイプの場合
A回路の端にジャンパー線を接続する。
その端、IC2,3に接続されるジャンパー線はICの足に直接半田付け
なければならぬので、半田ブリッジの内部に接続すること。
また、JP6,7の2本のジャンパー線は、半田面からの接続も可能
です。

(2) IC2,3が300miliタイプの場合
A回路の端にジャンパー線を接続する。
尚、IC2,3に接続されるジャンパー線は、ICの外側の部品穴が床
使用になるので、そこに半田付けす
ること。



Comp Side

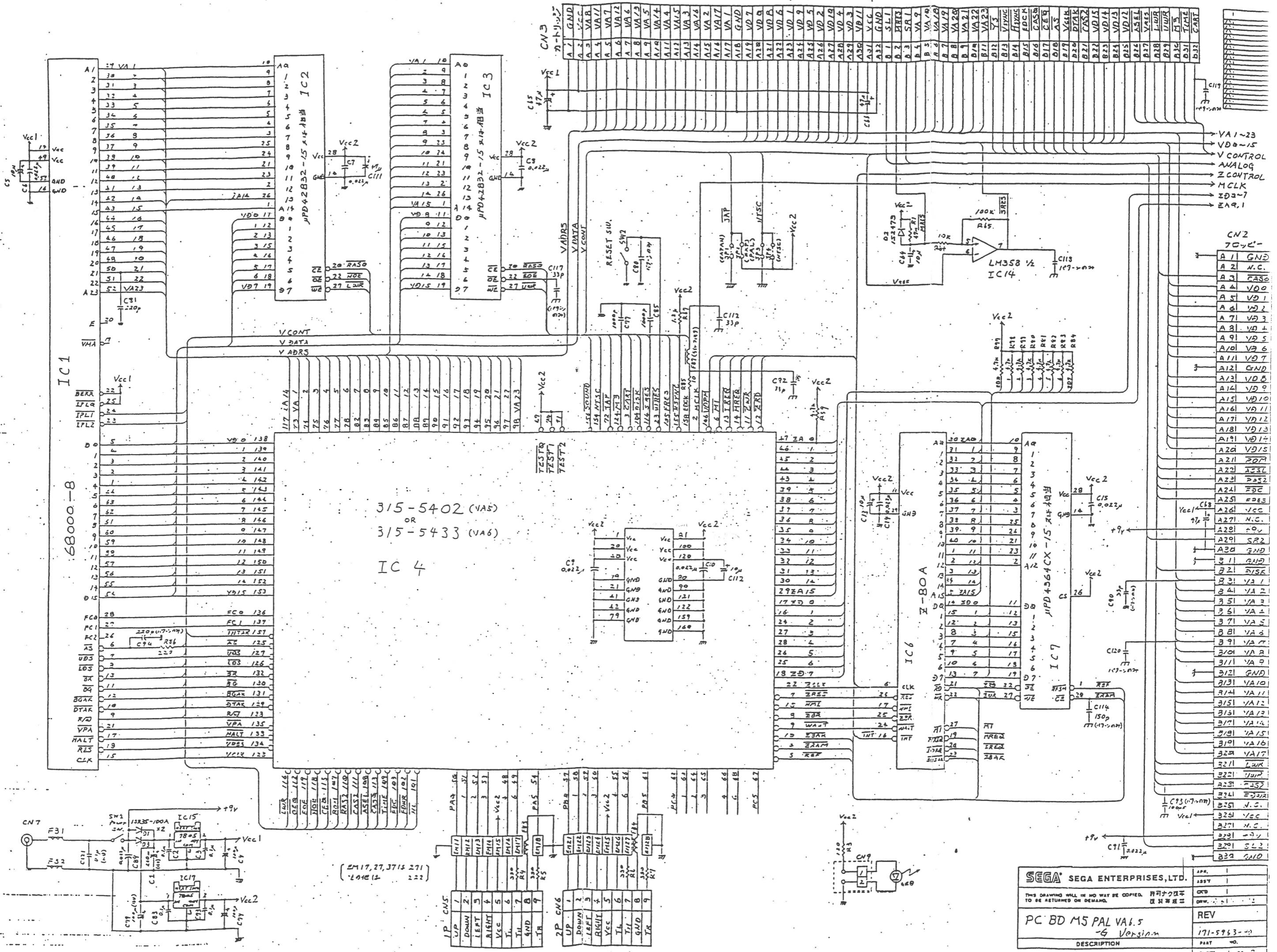
SEGA SEGA ENTERPRISES, LTD.		THIS DRAWING WILL BE KEPT IN GERMANY. THIS DRAWING IS NOT FOR EXPORT.	
LIMITS UNLESS OTHERWISE SPECIFIED - 100%		SCALE 1:1 / mm	
MATERIAL 100%	HEAT TREAT. 100%	FINISH 100%	REMARK 100% REV.
IC BD M5 VAG, PAL-G MAIN			837-8169 (0-1/2)
DESCRIPTION 100%			PART NO. 100% 100% 100%



* IS CH TYPE を使用すること。

S o l d S i d e

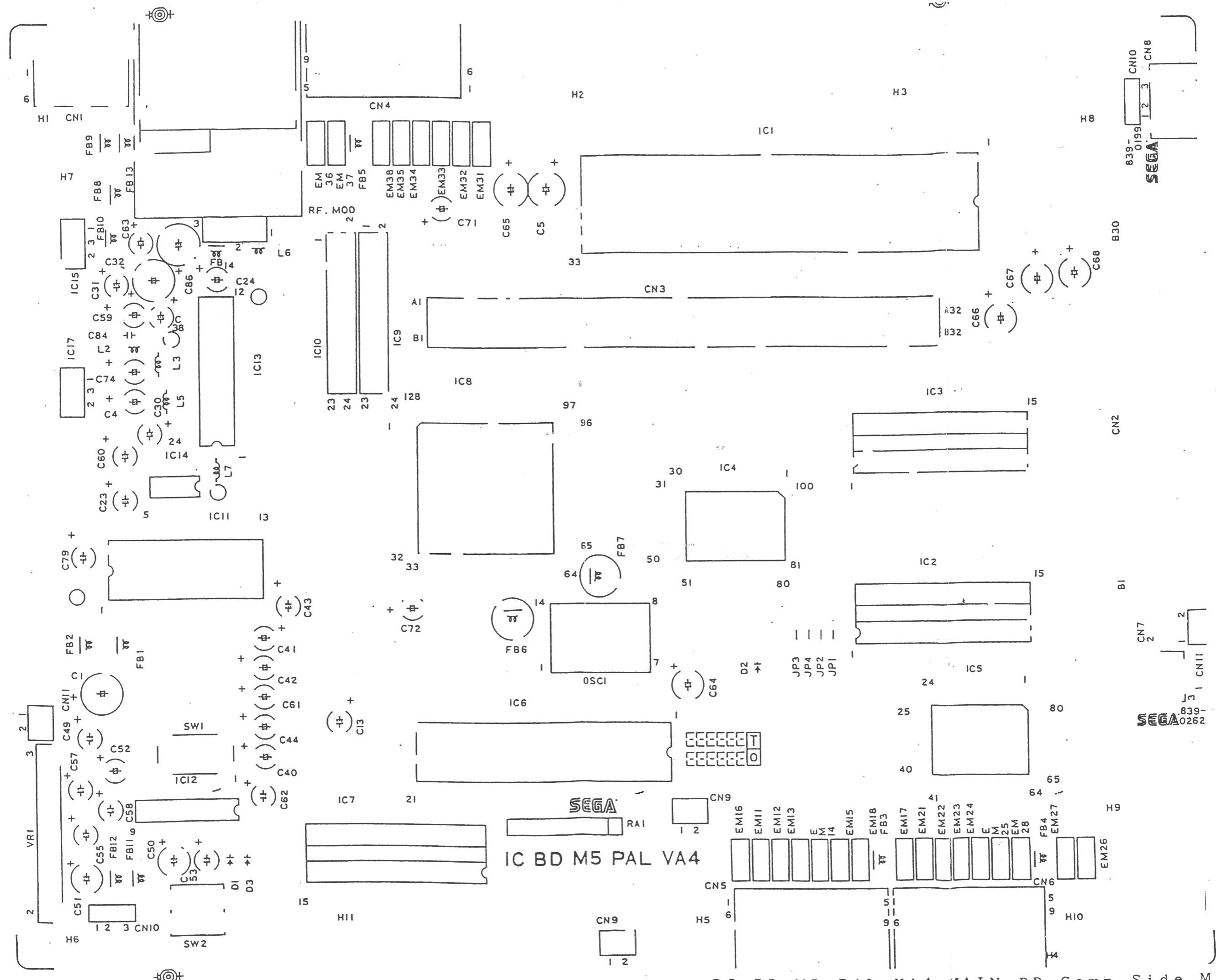
SEGA ENTERPRISES, LTD.		THIS DRAWING WILL IN NO WAY BE COPIED. TO BE REFERRED ON GENERAL.	
LIMITS UNLESS OTHERWISE SPECIFIED - 42公分		3RD QUAT. PROJ. DRAWING 第三角法	42-1111-1111-1111
		SCALE 比例 /	1
		DIM. IN 厘米 mm	金 合 国 本 大 國
			1/10 : 1/10
MATERIAL MATER.	HEAT TREAT. 热处理	FINISH 表面处理	REMARK 記載事項 REV.
PC BOARD 1465P AL-G CHIP		839-0443 (D-V1)	
DESCRIPTION 詳細 PART NO. 1465-0443			



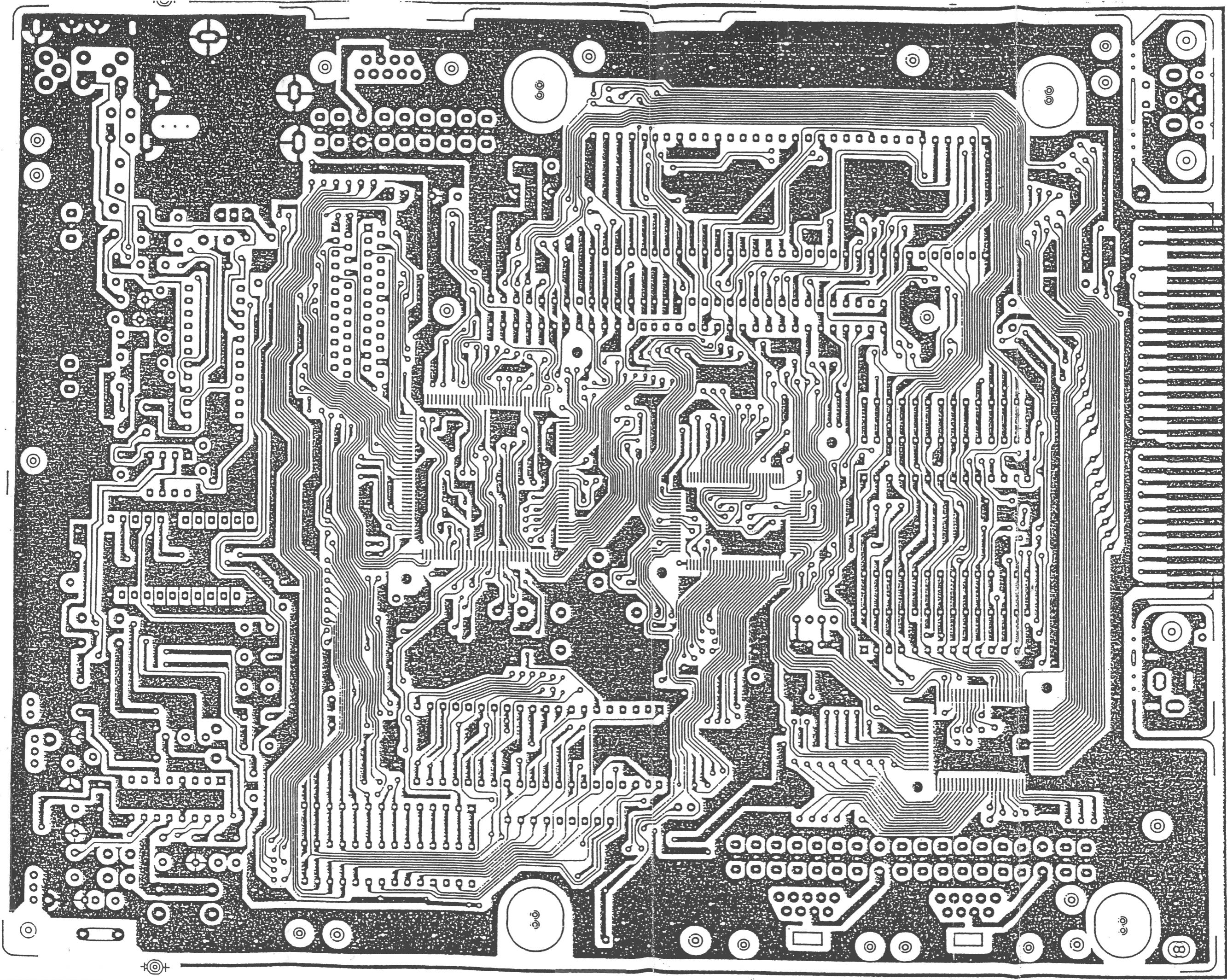
MEGA DRIVE

PAL-G (GERMANY)

PCB DESIGN SPEC.

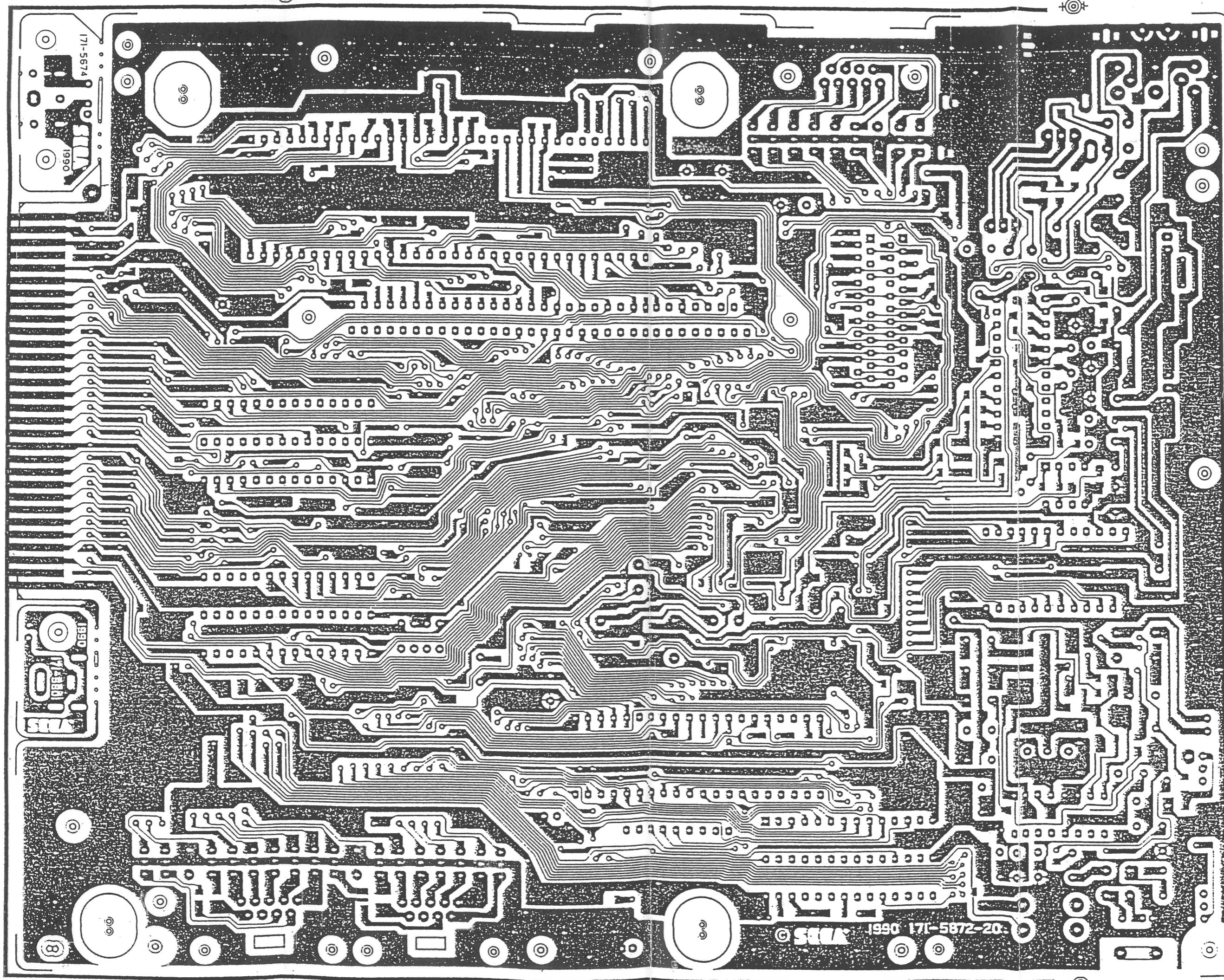






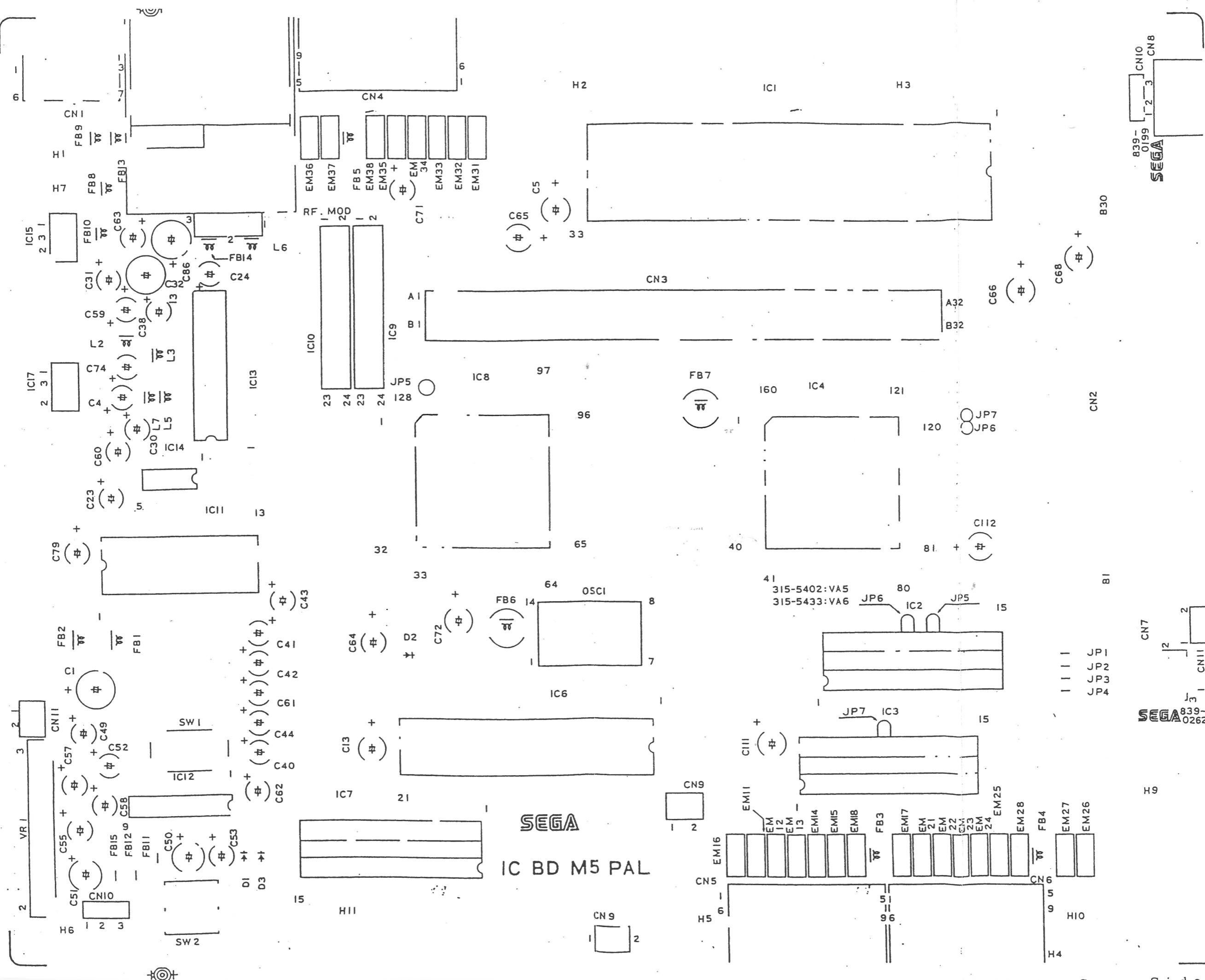
PC RD ME DAT VAA MATN DD C

里田未



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PC BD M5 PAL VA4 MAIN BD Sold Side Layer



EN 171-5963-20A
71-5963-30
91-5963-20
91-5963-20
91-5963-20
91-5963-20
91-5963-20

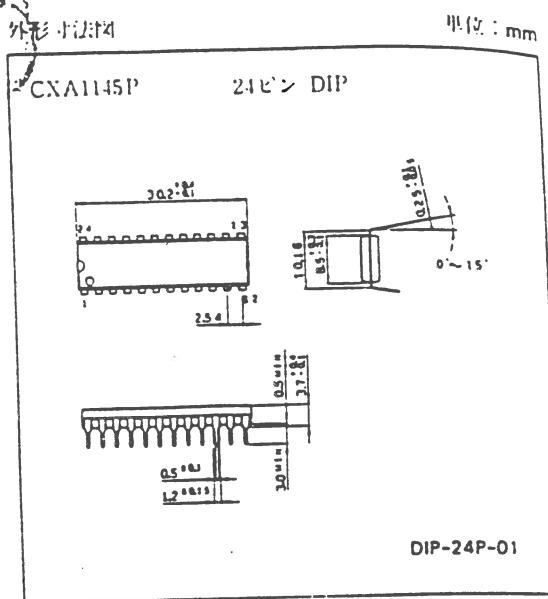
PC BD M5 PAL VA6.5 MAIN BD Comp Side Mark

SONY

CXA1145P/M

RGB エンコーダ

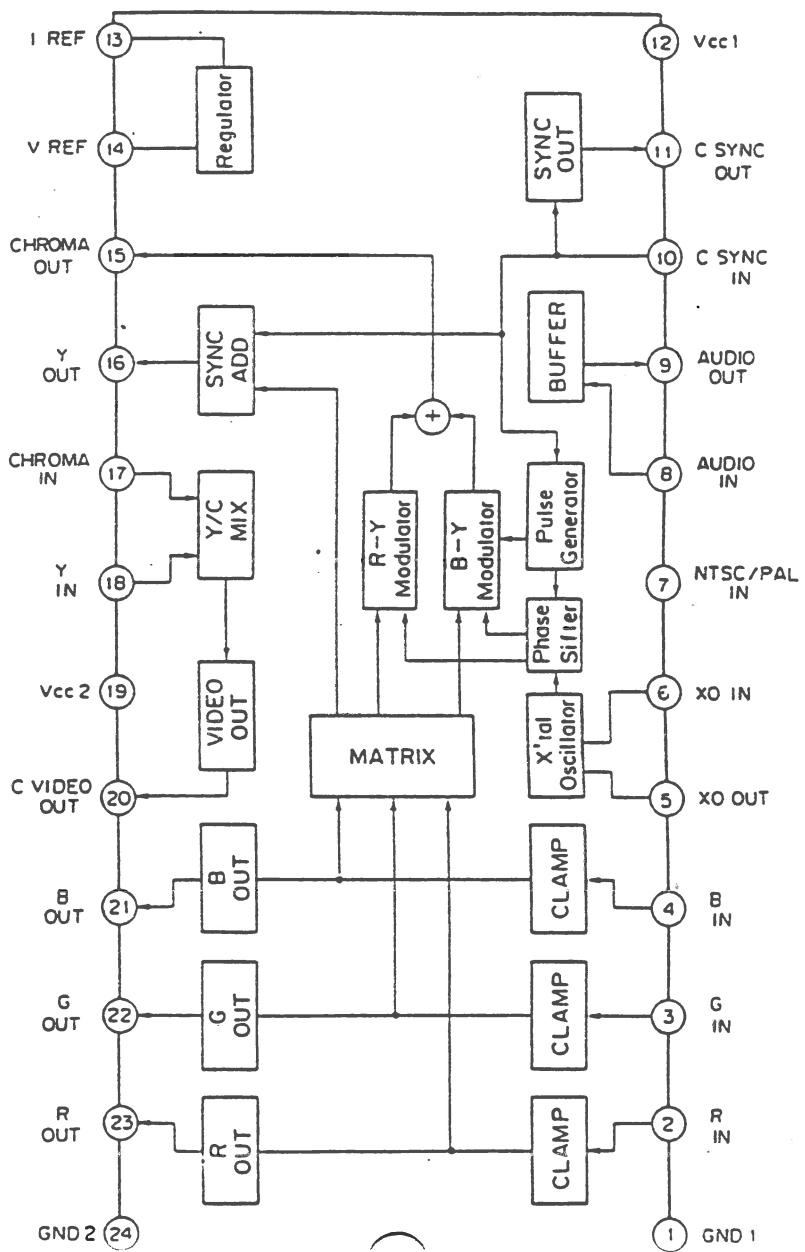
RGB Encoder

MAIN BOARD IC13 1/3 外形寸法図
IC CXA1145P

SONY

CXA1145P/M

ブロック図及び電子配列図



端子番号	端子記号	電圧回路	電流回路
1	GND1		RGB出力、コンポジットビデオ出力回路 以外の回路のGND端子です。GND2とは出来だけ低いインピーダンスで接続して下さい。
2	R IN		アナログRGB信号の入り端子です。 100Ω-1Vp-pで入力して下さい。 クランプの端子を少なくするため、出来るだけ低いインピーダンスで入力する事をおすすめします。
3	G IN		Xtal OSCHの端子です。 内部発振で使用する場合は水晶発振子を接続します。 また、外部発振で使用する場合は、カップリングコンデンサを通して6.5MHzのXO INに入力してください。 サブキャリアの入力レベルは100mVp-p~1.000mVp-pで入力してください。 外部発振で使用する場合は十分に遅い小さいナイン波を入力して下さい。 遅いが多い場合にはクロマキーの位相特性が悪化する恐れがあります。
4	B IN		XO OUT
5	XO OUT		XO IN
6	XO IN		NTSC、PALモードの切り替え端子です。
7	NTSC·PAL IN		Vcc GND NTSC PAL

端子番号	端子記号	電圧回路	電流回路
8	AUDIO IN		オーディオ入力端子です。
9	AUDIO OUT		C SYNC IN
10	C SYNC IN		L (≤0.8V) H (≥2.0V) : SYNC
11	C SYNC OUT		C SYNC OUT
12	Vcc 1		RGB出力回路、コンポジットビデオ出力回路以外の回路の電源端子です。

端子番号	端子記号	電位回路	端子説明
13	IREF		内部の基准電圧を決める端子です。25Ωを経てGNDに接続します。

14	VREF		内部の基准電圧を決める端子です。 10μF程度のコンデンサーで接地して下さい。
15	C OUT		クローラ信号出力端子です。 17番端子(CIN)との間にBPF(バウンパスフィルタ)を接続します。

16	Y OUT		Yは出力端子です。 18番端子(Y IN)との間にDL(ディレーライン)を接続します。
17	C IN		BPF(バンディパスフィルタ)で高調波を除いたクロマ(色)信号を入力する端子です。

21	B OUT		RGB出力回路、コンサバトビ出力端子です。 75Ωの負荷を直結接続する事が出来ます。
22	G OUT		
23	R OUT		
24	GND2		RGB出力回路、コンサバトビ出力端子のGND端子です。 GND1とは絶対しないで下さい。インピーダンスで接続してください。

端子番号	端子記号	電位回路	端子説明
16	Y IN		DL(ディレイライン)で選択されたY信号を入力する端子です。
19	Vcc2		RGB出力回路、コンサバトビ出力端子の電源端子です。 大電流が流れますため十分大きなコンデンサーでカットプリシングして下さい。
20	C VIDEO OUT		Y,C MIX回路の出力端子です。コンサバトビ出力端子です。75Ωの負荷を直結接続する事が出来ます。
21	B OUT		アナログRGB出力端子の出力端子です。
22	G OUT		75Ωの負荷を直結接続する事が出来ます。
23	R OUT		
24	GND2		RGB出力回路、コンサバトビ出力端子のGND端子です。 GND1とは絶対しないで下さい。インピーダンスで接続してください。

MEGA DRIVE

PAL-G (GERMANY)

P A R T S L I S T O F P C B

D. NO.	DESCRIPTION	PART. NO.	NOTE
	PC BD M5 VA4 PAL-G CHIP	839-0361	
	HEAT SINK M5-02	530-5038-02	
IC 1	IC SCN68000C8N64	315-0328	
IC 2	IC HM65256BSP-15 (HITACHI)	315-0371-15	{ ONE OF THESE 300 mil 947115 実寸: 14.2mm 開口: 8.0mm
	IC μPD42832C-15 (NEC)	315-0370-15	
	IC TC51832-12 (TOSHIBA)	315-0471	
IC 3	IC HM65256BSP-15 (HITACHI)	315-0371-15	{ ONE OF THESE 300 mil 947115 実寸: 14.2mm 開口: 8.0mm
	IC μPD42832C-15 (NEC)	315-0370-15	
	IC TC51832-12 (TOSHIBA)	315-0471	
IC 4	IC CUSTOM CHIP YM6045C (YAMAHA)	315-5364	
IC 5	IC CUSTOM CHIP YM6046 (YAMAHA)	315-5309	
IC 6	IC Z80A (ZILOG/NEC)	315-0041	
IC 7	IC μPD4168C-20 (NEC)	315-0298	
	IC μPD4168C-15 (NEC)	315-0298-15	
	IC μPD4168C-15-SG (NEC)	315-0298-15S	
	IC μPD4364C-15 (NEC)	315-0441-15	
	IC μPD4364CX (NEC)	315-0465	{ ONE OF THESE 300 mil 947115 実寸: 14.2mm 開口: 8.0mm
	IC MB8464A-15L (FUJITSU)	315-0330	
	IC TMM2064-15 (TOSHIBA)	315-0335	
	IC TMM2063-12 (TOSHIBA)	315-0374	
	IC HM6264L-120 (SANKO)	315-0530	
IC 8	IC CUSTOM CHIP YM7101 (YAMAHA)	315-5313	{ ONE OF THESE
	IC CUSTOM CHIP F11001 (YAMAHA)	315-5313A	

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 12 '90
▲	ADD.	▲			ASS'Y
				THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	CK'D
					DRW. 151
				REV	9/17 '90
				837-7460	
				DESCRIPTION	PART NO.
					SHEET 1 OF 8

D. NO.	DESCRIPTION	PART. NO.	NOTE
IC 9	IC M5M4C264L-12 (MITSUBISHI)	315-0515	
	IC M5M4C264L-15 (MITSUBISHI)	315-0515-15	
	IC μ PD41264V-12 ZIP (NEC)	315-0453	ONE OF THESE (ZIP TYPE)
	IC MB81461-12 ZIP (FUJITSU)	315-0423	
	IC HM53461ZP-12 (HITACHI)	315-0481	
	IC TMS4461-12SDL (T.I)	315-0525	
IC 10	IC M5M4C264L-12 (MITSUBISHI)	315-0515	
	IC M5M4C264L-15 (MITSUBISHI)	315-0515-15	
	IC μ PD41264V-12 ZIP (NEC)	315-0453	ONE OF THESE (ZIP TYPE)
	IC MB81461-12 ZIP (FUJITSU)	315-0423	
	IC HM53461ZP-12 (HITACHI)	315-0481	
	IC TMS4461-12SDL (T.I)	315-0525	
IC 11	IC YM2612 (YAMAHA)	313-5089	
IC 12	IC CXA1034 (SONY)	313-5079	ONE OF THESE
	IC AN7108 (MATUSITA)	313-5144	
IC 13	IC CXA1145P (SONY)	313-5067	
IC 14	IC LM358	313-5020	
IC 15	IC MA7805UC (NEC)	313-0092	ONE OF THESE
	IC MC7805CT (MOTOROLA)	313-5092	
IC 17	IC MA7805UC (NEC)	313-0092	ONE OF THESE
	IC MC7805CT (MOTOROLA)	313-5092	
OSC 1	X'TAL 53.203424MHz ±20ppm TXC-2	230-5058	(T.Q.C.)

ALTERATION		SEGA SEGA ENTERPRISES, LTD.	APR. 4-42 9/17 '90
		THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	ASS'Y
			CK'D
			DRW. 14/10 9/14-'90
		IC-BD M5 VA4 PAL-G MAIN	REV
		DESCRIPTION	837-7460
			PART NO.
			SHEET 2 OF 9

D. NO.	DESCRIPTION	PART. NO.	NOTE
R 1	RES CHIP 47k Ω 1/8W ±5%	476-0473-J-08	
R 2	RES CHIP 510 Ω 1/8W ±5%	476-0511-J-08	
R 3	RES CHIP 120 Ω 1/8W ±5%	476-0121-J-08	
R 4	RES CHIP 330 Ω 1/8W ±5%	476-0331-J-08	
R 5	RES CHIP 330 Ω 1/8W ±5%	476-0331-J-08	
R 6	RES CHIP 330 Ω 1/8W ±5%	476-0331-J-08	
R 7	RES CHIP 330 Ω 1/8W ±5%	476-0331-J-08	
R 8	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 9	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 10	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 11	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 12	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 13	RES CHIP 1.2k Ω 1/8W ±5%	476-0122-J-08	NO USE
R 14	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 15	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 16	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 17	RES CHIP 4.7k Ω 1/8W ±5%	476-0472-J-08	
R 18	RES CHIP 1.2k Ω 1/8W ±5%	476-0122-J-08	
R 19	RES CHIP 4.7k Ω 1/8W ±5%	476-0472-J-08	
R 20	RES CHIP 1.2k Ω 1/8W ±5%	476-0122-J-08	
R 21	RES CHIP 4.7k Ω 1/8W ±5%	476-0472-J-08	
R 22	RES CHIP 1.2k Ω 1/8W ±5%	476-0122-J-08	
R 23	RES CHIP 3.3k Ω 1/8W ±5%	476-0332-J-08	
R 24	RES CHIP 1k Ω 1/8W ±5%	476-0102-J-08	
R 25	RES CHIP 75 Ω 1/8W ±5%	476-0750-J-08	
R 26	RES CHIP 1k Ω 1/8W ±5%	476-0102-J-08	

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 14/12 9/17/90
				THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	ASS'Y CK'D DRAW. 1A 9/17/90
				PC-BD M5 VA4 PAL-G CHIP	REV
				DESCRIPTION	839-0361
					PART NO.
					SHEET 4 OF 8

D. NO.	DESCRIPTION	PART. NO.	NOTE
R 27	RES CHIP 1.2k Ω 1/8W ±5%	476-0122-J-08	
R 28	RES CHIP 1.2k Ω 1/8W ±5%	476-0122-J-08	
R 29	RES CHIP 1k Ω 1/8W ±5%	476-0102-J-08	
R 30	RES CHIP 24k Ω 1/8W ±5%	476-0243-J-08	
R 31	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 32	RES CHIP 75 Ω 1/8W ±5%	476-0750-J-08	
R 33	RES CHIP 75 Ω 1/8W ±5%	476-0750-J-08	
R 34	RES CHIP 51k Ω 1/8W ±5%	476-0513-J-08	
R 35	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 36	RES CHIP 47k Ω 1/8W ±5%	476-0473-J-08	
R 37	RES CHIP 51k Ω 1/8W ±5%	476-0513-J-08	
R 38	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 39	RES CHIP 47k Ω 1/8W ±5%	476-0473-J-08	
R 40	RES CHIP 10k Ω 1/8W ±5%	476-0103-J-08	
R 41	RES CHIP 10k Ω 1/8W ±5%	476-0103-J-08	
R 42	RES CHIP 10k Ω 1/8W ±5%	476-0103-J-08	
R 43	RES CHIP 10k Ω 1/8W ±5%	476-0103-J-08	
R 46	RES CHIP 4.7k Ω 1/8W ±5%	476-0472-J-08	
R 47	RES CHIP 4.7k Ω 1/8W ±5%	476-0472-J-08	
R 48	RES CHIP 4.7k Ω 1/8W ±5%	476-0472-J-08	NO USE
R 49	RES CHIP 75 Ω 1/8W ±5%	476-0750-J-08	
R 50	RES CHIP 75 Ω 1/8W ±5%	476-0750-J-08	
R 51	RES CHIP 47k Ω 1/8W ±5%	476-0473-J-08	
R 52	RES CHIP 47k Ω 1/8W ±5%	476-0473-J-08	
R 53	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	
R 54	RES CHIP 2.2k Ω 1/8W ±5%	476-0222-J-08	

ALTERATION				APR. 12 '90
				ASS'Y
				CK'D
				DRW. 国才 3/17-'90
SEGA SEGA ENTERPRISES, LTD.				REV
THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.				839-0361
PC-BD M5 VA4 PAL-G CHIP				DESCRIPTION
				PART NO.
				SHEET 5 OF 6

D. NO.	DESCRIPTION	PART. NO.	NOTE
C 27	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 28	CAP CER CHIP 0.01μF 16V KB	151-0228	
C 29	CAP CER CHIP 82pF 50V CH	151-5019	
C 33	CAP CER CHIP 0.01μF 16V KB	151-0228	
C 34	CAP CER CHIP 180pF 50V CH	151-0234	
C 35	CAP CER CHIP 12pF 50V CH	151-5018	
C 37	CAP CER CHIP 100pF 50V CH	151-5020	
C 39	CAP CER CHIP 150pF 50V SL	151-5021	
C 45	CAP CER CHIP 5600pF 16V KB	151-5016	
C 46	CAP CER CHIP 0.1μF 25V KB	151-5015	
C 47	CAP CER CHIP 0.1μF 25V KB	151-5015	
C 48	CAP CER CHIP 5600pF 16V KB	151-5016	
C 69	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 73	CAP CER CHIP 0.022μF 25V ZF	151-0227	(メール形式の場合は) ONE OF THESE (電子記録の場合は)
	CAP CER CHIP 0.1μF 25V ZF	151-0245	(メール形式の場合は) (電子記録の場合は)
C 75	CAP CER CHIP 0.01μF 16V KB	151-0228	
C 76	CAP CER CHIP 0.01μF 16V KB	151-0228	
C 77	CAP CER CHIP 1000pF 50V KB	151-0232	
C 78	CAP CER CHIP 33pF 50V CH	151-5025	
C 80			
C 81	CAP CER CHIP 220pF 50V KB	151-0230	
C 82	CAP CER CHIP 20pF 50V CH	151-5022	
C 83	CAP CER CHIP 0.022μF 25V ZF	151-0227	(メール形式の場合は) ONE OF THESE (電子記録の場合は)
	CAP CER CHIP 0.1μF 25V ZF	151-0245	(メール形式の場合は) (電子記録の場合は)
C 85	CAP CER CHIP 1000pF 50V KB	151-0232	
C 87	CAP CER CHIP 0.022μF 25V ZF.	151-0227	

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 1990	9/17 '90
				THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	ASS'Y	
					CK'D	
					DRW. 1990	9/14 '90
				PC-BD M5 VA4 PAL-G CHIP	REV	
				DESCRIPTION	839-0361	
					PART NO.	
					SHEET 2 OF 6	

D. NO.	DESCRIPTION	PART. NO.	NOTE
C 88	CAP CER CHIP 47pF 50V CH	151-5026	
C 89	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 90	CAP CER CHIP 33pF 50V CH	151-5025	NO USE
C 91	CAP CER CHIP 100pF 50V SL	151-0229	
C 92	CAP CER CHIP 51pF 50V CH	151-5023	NO USE
C 93	CAP CER CHIP 100pF 50V SL	151-0229	
C 94	CAP CER CHIP 220pF 50V KB	151-0230	
C 95	CAP CER CHIP 0.1μF 25V ZF	151-0245	
C 96	CAP CER CHIP 12pF 50V CH	151-5018	
C 97	CAP CER CHIP 100pF 50V SL	151-0229	
C 98	CAP CER CHIP 150pF 50V SL	151-5021	
C 99	CAP CER CHIP 150pF 50V SL	151-5021	
C100	CAP CER CHIP 33pF 50V CH	151-5025	NO USE
C101	CAP CER CHIP 33pF 50V CH	151-5025	
C102	CAP CER CHIP 33pF 50V CH	151-5025	
C103	CAP CER CHIP 33pF 50V CH	151-5025	
C104	CAP CER CHIP 270pF 50V KB	151-5024	
C105	CAP CER CHIP 33pF 50V CH	151-5025	
C106	CAP CER CHIP 33pF 50V CH	151-5025	
C107	CAP CER CHIP 33pF 50V CH	151-5025	
C108	CAP CER CHIP 33pF 50V CH	151-5025	
C109	CAP CER CHIP 33pF 50V CH	151-5025	
C110	CAP CER CHIP 33pF 50V CH	151-5025	

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 小丸 9/17 '90
				THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	ASS'Y CK'D DRW. 田中 9/14 - '90
				PC-BD M5 VA4 PAL-G CHIP	REV
				DESCRIPTION	PART NO. 839-0361
					SHEET 3 OF 8

D. NO.	DESCRIPTION	PART. NO.	NOTE
	PC BD M5 PAL VA4 MAIN	171-5872-20	
C 2	CAP CER CHIP 0.022μF 25V ZF	151-0227	(マルチ形式の場合は) ONE OF THESE
	CAP CER CHIP 0.1μF 25V ZF	151-0245	(個別、各の場合は)
C 3	CAP CER CHIP 0.022μF 25V ZF	151-0227	(マルチ形式の場合は) ONE OF THESE
	CAP CER CHIP 0.1μF 25V ZF	151-0245	(個別、各の場合は)
C 6	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 7	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 8	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 9	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 10	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 11	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 12	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 14	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 15	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 16	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 17	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 18	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 19	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 20	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 21	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 22	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 25	CAP CER CHIP 0.022μF 25V ZF	151-0227	
C 26	CAP CER CHIP 0.022μF 25V ZF.	151-0227	

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 1990
				ASS'Y	
				CK'D	
				DRW. 関本	9/4 '90
				REV	
				839-0361	
DESCRIPTION				PART NO.	
				SHEET 1 OF 6	

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PC BD M5 VA4 PAL-G CHIP

D. NO.	DESCRIPTION	PART. NO.	NOTE
SW 2	TACTIL PUSH SW (ALPS)	510-5019	ONE OF THESE
	TACT SWITCH SKEVAA (ALPS)	509-5207	
CN 1	DIN CONN 8P B-TYPE (UNION)	212-5106	
CN 3	EDGE CONNECTOR 64P (MITSUMI)	209-5026	
CN 4	D-9P ANGLE TYPE (UNION)	209-5027	
CN 5	D-SUB 9P ANGLE TYPE (UNION)	209-5017-01	
CN 6	D-SUB 9P ANGLE TYPE (UNION)	209-5017-01	
CN 9	LED SOCKET/CABLE (UNION)	600-5110-02	ONE OF THESE ノーナンにと、2番ソケットを用意する。
	LED SOCKET WITH CNN L=110mm (W.P.)	600-5820	
RA 1	R-PACK 8x472 1/8W W/COMMON	477-0106-472	
RF MOD.	RF MODULATOR YAA21-0496 (JALCO)	200-5086-02	
	SUMI TUBE F L=15mm	310-5029-15	C92カラードトロビ: 追加
	SCREW LOCK (10 pos.)	090-0012	
	GRS THRM 200GR/TUBE (2 pos.)	601-0076	JC15, JC17, HEAT SINK用
	EYLET 3.5x7 (2 pos.)	048-0001	ONE OF THESE CN3 固定用
	EYLET #6x3.5x8 (2 pos.)	048-0002	
	TAP SCR PH 3x8 (4 pos.)	012-0308	CNS. 6 固定用
	M SCR PH 3x8 (2 pos.)	000-0308	CN4 固定用
	DELTITE SCR PH M3x6 (4 pos.)	029-0227	JC15, JC17, HEAT SINK用

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 小. dl 9/17 '90
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					CK'D
					DRW. 181本 9/14 '90
				IC BD M5 VA4 PAL-G MAIN	REV
				837-7460	
				DESCRIPTION	PART NO.
					SHEET 8 OF 9

D. NO.	DESCRIPTION	PART. NO.	NOTE
EM 26	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 27	EMI FILTER STB271KB (TAIYO U.)	271-0006	
EM 28	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 31	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 32	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 33	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 34	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 35	EMI FILTER STX222MB (TAIYO U.)	271-0007	

ALTERATION				APR. 11/17 '70
				ASS'Y
				CK'D
				DRW. 151* 1/4- '70
IC BD M5 VA4 PAL-G MAIN				REV
				837-7460
DESCRIPTION				PART NO.
				SHEET 7 OF 9

D. NO.	DESCRIPTION	PART. NO.	NOTE
EM 36	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 37	EMI FILTER STB271KB (TAIYO U.)	271-0006	
EM 38	EMI FILTER STX222MB (TAIYO U.)	271-0007	
FB 1	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 2	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 3	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 4	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 5	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 6	LINE FILTER 4HOLE BALUN TYPE (TAIYO)	270-5027	
FB 7	LINE FILTER RING TYPE CORES 2T (TAIYO)	270-5029	
FB 8	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 9	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 10	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 11	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 12	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 13	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
FB 14	BEADS INDUCTOR FBA04VA600VB (TAIYO)	271-0005-1	
VR 1	SLIDE VOL CONT 50KB RS20H11 (ALPS)	220-5248	
SW 1	SLIDE SW HSW1699-01-010 (HOSIDEN)	509-5240-01	

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 十九 1/17 '90
				ASS'Y	
				CK'D	
				DRW. 1/14 - '90	
				REV	
				837-7460	
DESCRIPTION				PART NO.	
				SHEET 8 OF 9	

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IC BD M5 VA4 PAL-G MAIN

D. NO.	DESCRIPTION	PART. NO.	NOTE
EM 16	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 17	EMI FILTER STB271KB (TAIYO U.)	271-0006	
EM 18	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 21	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 22	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 23	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 24	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 25	EMI FILTER STX222MB (TAIYO U.)	271-0007	

ALTERATION				APR. 4/17 '90
				ASS'Y
				CK'D
				DRW. 国本 1/4 - '90
				REV
				837-7460
DESCRIPTION				PART NO.
				SHEET 6 OF 9

SEGA SEGA ENTERPRISES, LTD.

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TO BE RETURNED ON DEMAND.

IC BD M5 VA4 PAL-G MAIN

D. NO.	DESCRIPTION	PART. NO.	NOTE
C 79	CAP E 100 μ F 16V U-TYPE	150-0059	
C 84	CAP CER 0.1 μ F 16V	151-0060	1~7の部品がM14..20の場合は使用
C 86	CAP E 100 μ F 10V U-TYPE	150-0047	
C 92	CAP CER 51pF 50V	151-0072	IC4の左側に記入の部品がM14..20
C100	CAP CER 33pF 50V	151-0020	IC3の下部に記入の部品がM14..20
C111	CAP CER 33pF 50V	151-0020	IC1の下部に記入の部品がM14..20
C112	CAP CER 33pF 50V	151-0020	IC8の下部に記入の部品がM14..20
C113	CAP CER 56pF 50V CH	151-0279	IC1のT3P1,T3P2,T3P3がM14..20
JP 1	CAP E 47 μ F 10V U-TYPE	150-0062	
EM 11	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 12	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 13	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 14	EMI FILTER STX222MB (TAIYO U.)	271-0007	
EM 15	EMI FILTER STX222MB (TAIYO U.)	271-0007	

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 4/4/90 9/17 '90
				THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	ASS'D
					CK'D
					DRW. 田中 9/14-'90
				REV	
				837-7460	
				DESCRIPTION	PART NO.
					SHEET 5 OF 9

D. NO.	DESCRIPTION	PART. NO.	NOTE
C 40	CAP E 1 μ F 50V U-TYPE	150-0009	
C 41	CAP E 10 μ F 16V U-TYPE	150-0023	
C 42	CAP E 1 μ F 50V U-TYPE	150-0009	
C 43	CAP E 10 μ F 16V U-TYPE	150-0023	
C 44	CAP E 1 μ F 50V U-TYPE	150-0009	
C 49	CAP E 100 μ F 10V U-TYPE	150-0047	
C 50	CAP E 220 μ F 10V U-TYPE	150-0126	
C 51	CAP E 220 μ F 10V U-TYPE	150-0126	
C 52	CAP E 100 μ F 10V U-TYPE	150-0047	
C 53	CAP E 100 μ F 10V U-TYPE	150-0047	
C 55	CAP E 10 μ F 16V U-TYPE	150-0023	
C 57	CAP E 10 μ F 16V U-TYPE	150-0023	
C 58	CAP E 1 μ F 50V U-TYPE	150-0009	
C 59	CAP E 47 μ F 10V U-TYPE	150-0062	
C 60	CAP E 47 μ F 10V U-TYPE	150-0062	
C 61	CAP E 1 μ F 50V U-TYPE	150-0009	
C 62	CAP E 1 μ F 50V U-TYPE	150-0009	
C 63	CAP E 47 μ F 10V U-TYPE	150-0062	
C 64	CAP E 10 μ F 16V U-TYPE	150-0023	
C 65	CAP E 47 μ F 10V U-TYPE	150-0062	
C 66	CAP E 47 μ F 10V U-TYPE	150-0062	
C 67	CAP E 47 μ F 10V U-TYPE	150-0062	
C 68	CAP E 47 μ F 10V U-TYPE	150-0062	
C 71	CAP E 10 μ F 16V U-TYPE	150-0023	
C 72	CAP E 10 μ F 16V U-TYPE	150-0023	
C 74	CAP E 100 μ F 10V U-TYPE	150-0047	

ALTERATION				APR. 4/29 9/17/90
				ASS'Y
				CK'D
				DRW. 国木 9/17/90
				REV
				837-7460
DESCRIPTION				PART NO.
				SHEET 4 OF 9

SEGA SEGA ENTERPRISES, LTD.
 THIS DRAWING WILL IN NO WAY BE COPIED.
 TO BE RETURNED ON DEMAND.
 IC-BD M5 VA4 PAL-G MAIN
 DESCRIPTION

D. NO.	DESCRIPTION	PART. NO.	NOTE
D 1	DIODE 1SR35-100A RADIAL	481-5038-01	
D 2	DIODE 1S2473 RADIAL	481-0149-01	ONE OF THESE
	DIODE 1SS133 AXIAL	481-5045	
D 3	DIODE 1SR35-100A RADIAL	481-5038-01	
L 2	PEAKING COIL 100 μ H 03TYPE RADIAL	180-5060	ONE OF THESE
	PEAKING COIL 100 μ H 02TYPE AXIAL	180-5032	
L 3	PEAKING COIL 100 μ H 03TYPE RADIAL	180-5060	ONE OF THESE
	PEAKING COIL 100 μ H 02TYPE AXIAL	180-5032	
L 5	PEAKING COIL 12 μ H 03TYPE RADIAL	180-5059	ONE OF THESE
	PEAKING COIL 12 μ H 02TYPE AXIAL	180-5033	
L 6	PEAKING COIL 100 μ H 03TYPE RADIAL	180-5060	ONE OF THESE
	PEAKING COIL 100 μ H 02TYPE AXIAL	180-5032	
L 7	PEAKING COIL 100 μ H 03TYPE RADIAL	180-5060	ONE OF THESE
	PEAKING COIL 100 μ H 02TYPE AXIAL	180-5032	
C 1	CAP E 220 μ F 16V U-TYPE	150-0159	
C 4	CAP E 100 μ F 10V U-TYPE	150-0047	
C 5	CAP E 10 μ F 16V U-TYPE	150-0023	
C 13	CAP E 10 μ F 16V U-TYPE	150-0023	
C 23	CAP E 100 μ F 10V U-TYPE	150-0047	
C 24	CAP E 100 μ F 10V U-TYPE	150-0047	
C 30	CAP E 10 μ F 16V U-TYPE	150-0023	
C 31	CAP E 10 μ F 16V U-TYPE	150-0023	
C 32	CAP E 220 μ F 10V U-TYPE	150-0126	
C 38	CAP E 10 μ F 16V U-TYPE	150-0023	

ALTERATION				APR. 44	9/17/90
				ASS'Y	
				CK'D	
				DRW. 国才	9/14-'90
				REV	
				837-7460	
				DESCRIPTION	
				PART NO.	
				SHEET 3 OF 9	

SEGA SEGA ENTERPRISES, LTD.
 THIS DRAWING WILL IN NO WAY BE COPIED.
 TO BE RETURNED ON DEMAND.
 IC-BD M5 VA4 PAL-G MAIN
 DESCRIPTION
 PART NO.
 SHEET 3 OF 9

ALTERATION				SEGA SEGA ENTERPRISES, LTD.	APR. 17 '90
⚠	VOID 橋本	131.1-102A 小丸			ASS'Y
				THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	CK'D
					DRW. 図本 9/4-'70
				PC-BD M5 VA4 PAL-G CHIP	REV
				DESCRIPTION	839-0361
					PART NO.
					SHEET 6 OF 6

PART NO.
DESCRIPTION

: 837-8779
: IC BD M5 VA6.5 PAL-G

LINE	LOCATE	DNO	OR	PART NO.	DESCRIPTION
1.00	CHIP1	1		839-0143	PC BD M5 VA6 PAL-G CHIP
2.00	HEAT SINK	2		530-5038-02	HEAT SINK M5-02
3.00	IC 1	101	1	315-0328	IC SCN68000C8N64
4.00	IC 1	101	2	315-0555	IC MC68000P8
5.00	IC 2	103	1	315-0371-15	IC IIM65256BSP-15
6.00	IC 2	103	2	315-0370-15	IC UPD42832C-15
7.00	IC 2	103	3	315-0471	IC TC51832-12
8.00	IC 3	103	1	315-0371-15	IC IIM65256BSP-15
9.00	IC 3	103	2	315-0370-15	IC UPD42832C-15
10.00	IC 3	103	3	315-0471	IC TC51832-12
11.00	IC 4	105		315-5433	IC CUSTOM CHIP UPD92271
12.00	IC 6	107		315-0041	IC Z80A
13.00	IC 7	102	1	315-0298	IC UPD4168C-20
14.00	IC 7	102	2	315-0298-15	IC UPD4168C-15
15.00	IC 7	102	3	315-0298-15S	IC UPD4168C-15-SG
16.00	IC 7	102	4	315-0441-15	IC UPD4364C-15
17.00	IC 7	102	5	315-0465	IC UPD4364CX
18.00	IC 7	102	6	315-0330	IC MB8464A-15L
19.00	IC 7	102	7	315-0335	IC TMM2064-15
20.00	IC 7	102	8	315-0374	IC TMM2063-12
21.00	IC 7	102	9	315-0530	IC HM6264L-120
22.00	IC 7	102	10	315-0573	IC KM6264BL-12 DIP600
23.00	IC 7	102	11	315-0574	IC KM6264BLS-12L DIP300
24.00	IC 7	102	12	315-0618	IC HM6265L-90
25.00	IC 7	102	13	315-0457	IC HY6264LP-15
26.00	IC 7	102	14	315-0458	IC KM4264L-15
27.00	IC 8	106		315-5313	IC CUSTOM CHIP YM7101
28.00	IC 9	104	1	315-0515	IC M5M4C264L-12 ZIP
29.00	IC 9	104	2	315-0515-15	IC M5M4C264L-15 ZIP
30.00	IC 9	104	3	315-0453	IC UPD41264V-12 ZIP
31.00	IC 9	104	4	315-0423	IC MB81461-12 ZIP
32.00	IC 9	104	5	315-0481	IC HM53461ZP-12 ZIP
33.00	IC 9	104	6	315-0525	IC TMS4461-12SDL ZIP
34.00	IC 9	104	7	315-0616	IC V53C261Z10 ZIP
35.00	IC 9	104	8	315-0622	IC KM424C64Z-10 ZIP
36.00	IC 9	104	9	315-0623	IC MSM51C262-10ZS ZIP
37.00	IC 10	104	1	315-0515	IC M5M4C264L-12 ZIP
38.00	IC 10	104	2	315-0515-15	IC M5M4C264L-15 ZIP
39.00	IC 10	104	3	315-0453	IC UPD41264V-12 ZIP
40.00	IC 10	104	4	315-0423	IC MB81461-12 ZIP
41.00	IC 10	104	5	315-0481	IC HM53461ZP-12 ZIP
42.00	IC 10	104	6	315-0525	IC TMS4461-12SDL ZIP
43.00	IC 10	104	7	315-0616	IC V53C261Z10 ZIP
44.00	IC 10	104	8	315-0622	IC KM424C64Z-10 ZIP
45.00	IC 10	104	9	315-0623	IC MSM51C262-10ZS ZIP
46.00	IC 11	108		313-5089	IC YM2612
47.00	IC 12	109	1	313-5079	IC CXA1034P
48.00	IC 12	109	2	313-5144	IC AN7108
49.00	IC 13	110		313-5067	IC CXA1145P
50.00	IC 14	111		313-5020	IC LM358
51.00	IC 15	112	1	313-0092	IC MA7805UC
52.00	IC 15	112	2	313-5092	IC MC7805CT
53.00	IC 17	112	1	313-0092	IC MA7805UC
54.00	IC 17	112	2	313-5092	IC MC7805CT
55.00	OSC 1	113		230-5058	OSC 53.203424M 20PPM
56.00	D 1	114		481-5038-01	DIODE 1SR-35-100A RADIAL
57.00	D 2	115	1	481-0149-01	DIODE 1S2473 RADIAL
58.00	D 2	115	2	481-5045	DIODE 1SS133 AXIAL
59.00	D 3	114		481-5038-01	DIODE 1SR-35-100A RADIAL
60.00	L 2	117	1	180-5060	PEAKING COIL 100UH 03TYPE RA

PARTS LIST

PART NO. : 837-8779
 DESCRIPTION : IC BD M5 V&6.5 PAL-G

LINE	LOCATE	DNO	OR PART NO.	DESCRIPTION
61.00	L 2	117	2 180-5032	PEAKING COIL 100UH LAL02TA101K
62.00	L 3	117	1 180-5060	PEAKING COIL 100UH O3TYPE RA
63.00	L 3	117	2 180-5032	PEAKING COIL 100UH LAL02TA101K
64.00	L 5	116	1 180-5059	PEAKING COIL 12UH O3TYPE RA
65.00	L 5	116	2 180-5033	PEAKING COIL 12UH LAL02TA120K
66.00	L 6	143	600-5061	JUMPER WIRE 5MM
67.00	L 7	117	1 180-5060	PEAKING COIL 100UH O3TYPE RA
68.00	L 7	117	2 180-5032	PEAKING COIL 100UH LAL02TA101K
69.00	C 1	124	150-0159	CAP E 220UF 16V U-TYPE
70.00	C 4	121	150-0047	CAP E 100UF 10V U-TYPE
71.00	C 5	119	150-0023	CAP E 10UF 16V U-TYPE 20%
72.00	C 13	119	150-0023	CAP E 10UF 16V U-TYPE 20%
73.00	C 23	121	150-0047	CAP E 100UF 10V U-TYPE
74.00	C 24	121	150-0047	CAP E 100UF 10V U-TYPE
75.00	C 30	119	150-0023	CAP E 10UF 16V U-TYPE 20%
76.00	C 31	119	150-0023	CAP E 10UF 16V U-TYPE 20%
77.00	C 32	123	150-0126	CAP E 220UF 10V U-TYPE 20%
78.00	C 38	119	150-0023	CAP E 10UF 16V U-TYPE 20%
79.00	C 40	118	150-0009	CAP E 1UF 50V U-TYPE 20%
80.00	C 41	119	150-0023	CAP E 10UF 16V U-TYPE 20%
81.00	C 42	118	150-0009	CAP E 1UF 50V U-TYPE 20%
82.00	C 43	119	150-0023	CAP E 10UF 16V U-TYPE 20%
83.00	C 44	118	150-0009	CAP E 1UF 50V U-TYPE 20%
84.00	C 49	121	150-0047	CAP E 100UF 10V U-TYPE
85.00	C 50	123	150-0126	CAP E 220UF 10V U-TYPE 20%
86.00	C 51	123	150-0126	CAP E 220UF 10V U-TYPE 20%
87.00	C 52	121	150-0047	CAP E 100UF 10V U-TYPE
88.00	C 53	121	150-0047	CAP E 100UF 10V U-TYPE
89.00	C 55	119	150-0023	CAP E 10UF 16V U-TYPE 20%
90.00	C 57	119	150-0023	CAP E 10UF 16V U-TYPE 20%
91.00	C 58	118	150-0009	CAP E 1UF 50V U-TYPE 20%
92.00	C 59	120	150-0062	CAP E 47UF 10V U-TYPE
93.00	C 60	120	150-0062	CAP E 47UF 10V U-TYPE
94.00	C 61	118	150-0009	CAP E 1UF 50V U-TYPE 20%
95.00	C 62	118	150-0009	CAP E 1UF 50V U-TYPE 20%
96.00	C 63	120	150-0062	CAP E 47UF 10V U-TYPE
97.00	C 64	119	150-0023	CAP E 10UF 16V U-TYPE 20%
98.00	C 65	120	150-0062	CAP E 47UF 10V U-TYPE
99.00	C 66	120	150-0062	CAP E 47UF 10V U-TYPE
100.00	C 68	120	150-0062	CAP E 47UF 10V U-TYPE
101.00	C 71	119	150-0023	CAP E 10UF 16V U-TYPE 20%
102.00	C 72	119	150-0023	CAP E 10UF 16V U-TYPE 20%
103.00	C 74	121	150-0047	CAP E 100UF 10V U-TYPE
104.00	C 79	122	150-0059	CAP E 100UF 16V U-TYPE 20%
105.00	C 86	121	150-0047	CAP E 100UF 10V U-TYPE
106.00	C111	120	150-0062	CAP E 47UF 10V U-TYPE
107.00	C112	119	150-0023	CAP E 10UF 16V U-TYPE 20%
108.00	EM 11	126	271-0007	EMI FILTER STX222MB
109.00	EM 12	126	271-0007	EMI FILTER STX222MB
110.00	EM 13	126	271-0007	EMI FILTER STX222MB
111.00	EM 14	126	271-0007	EMI FILTER STX222MB
112.00	EM 15	126	271-0007	EMI FILTER STX222MB
113.00	EM 16	126	271-0007	EMI FILTER STX222MB
114.00	EM 17	125	271-0006	EMI FILTER STB271KB
115.00	EM 18	126	271-0007	EMI FILTER STX222MB
116.00	EM 21	126	271-0007	EMI FILTER STX222MB
117.00	EM 22	126	271-0007	EMI FILTER STX222MB
118.00	EM 23	126	271-0007	EMI FILTER STX222MB

PART NO. : 837-8779
 DESCRIPTION : IC BD M5 VA6.5 PAL-G

LINE	LOCATE	DNO OR PART NO.	DESCRIPTION
119.00	EM 24	126	EMI FILTER STX222MB
120.00	EM 25	126	EMI FILTER STX222MB
121.00	EM 26	126	EMI FILTER STX222MB
122.00	EM 27	125	EMI FILTER STB271KB
123.00	EM 28	126	EMI FILTER STX222MB
124.00	EM 31	126	NOT USED
125.00	EM 32	126	NOT USED
126.00	EM 33	126	NOT USED
127.00	EM 34	126	NOT USED
128.00	EM 35	126	NOT USED
129.00	EM 36	126	NOT USED
130.00	EM 37	125	NOT USED
131.00	EM 38	126	NOT USED
132.00	FB 1	127	BEADS INDUCTOR FBA04VA600VB-00
133.00	FB 2	127	BEADS INDUCTOR FBA04VA600VB-00
134.00	FB 3	127	BEADS INDUCTOR FBA04VA600VB-
135.00	FB 4	127	BEADS INDUCTOR FBA04VA600VB-00
136.00	FB 5	127	NOT USED
137.00	FB 6	128	LINE FILTER 4HOLE BALUN TYPE
138.00	FB 7	129	LINE FILTER RING TYPE
139.00	FB 8	127	BEADS INDUCTOR FBA04VA600VB-00
140.00	FB 9	127	BEADS INDUCTOR FBA04VA600VB-00
141.00	FB 10	127	BEADS INDUCTOR FBA04VA600VB-00
142.00	FB 11	130	LINE FILTER WIND 20UH FL5R200F
143.00	FB 12	130	LINE FILTER WIND 20UH FL5R200F
144.00	FB 13	127	BEADS INDUCTOR FBA04VA600VB-00
145.00	FB 14	127	BEADS INDUCTOR FBA04VA600VB-00
146.00	FB 15	130	LINE FILTER WIND 20UH FL5R200F
147.00	VR 1	131	SLIDE VOL CONT 50KOHM RS20H111
148.00	SW 1	133	SLIDE SWITCH HSW1699-01-010
149.00	SW 2	132	TACTILE PUSH SW SKEVAA
150.00	SW 2	132	ALPS
151.00	CN 1	135	DIN CONN 8P B-TYPE UC-0059#2
152.00	CN 1	135	DIN CONN 8P B-TYPE DJ-008-8P "
153.00	CN 1	135	DIN CONN 8P TCS1490-01-4151
154.00	CN 3	134	EDGE CONNECTOR 64P MITSUMI
155.00	CN 4	136	D-SUB-9P-ANGLE-TYPE UI-0095#01
155.10	CN 4	136	NOT USED
156.00	CN 5	137	D-SUB 9P ANGLE TYPE UC-0060#2
157.00	CN 5	137	DIN SUB 9P ANGLE TYPE TOSK
158.00	CN 5	137	D-SUB 9P ANGLE CMP1100-010010
159.00	CN 6	137	D-SUB 9P ANGLE TYPE UC-0060#2
160.00	CN 6	137	DIN SUB 9P ANGLE TYPE TOSK
161.00	CN 6	137	D-SUB 9P ANGLE CMP1100-010010
162.00	CN 9	138	LED SOCKET/CABLE UJ-0263#01
163.00	CN 9	138	LED SKT WITH CNN L=110 MM
164.00	RF MOD.	139	RF MODULATOR UE3622 (G-PAL)
165.00	RF MOD.	139	RF MODULATOR G-PAL MDMT4D011A
166.00	RF MOD.	139	RF MODULATOR PAL-G YAA21-0496
167.00	JP 5	140	CA VINYL AWG22 UL1430 L=150MM
168.00	JP 6	142	CA VINYL AWG22 UL1430 L=60MM
169.00	JP 7	141	CA VINYL AWG22 UL1430 L=90MM
170.00	SL CN4L	144	SCREW-LOCK
171.00	SL CN4R	144	SCREW LOCK
172.00	SL CN5L	144	SCREW LOCK
173.00	SL CN5R	144	SCREW LOCK
174.00	SL CN6L	144	SCREW LOCK
175.00	SL CN6R	144	SCREW LOCK

P A R T N O . : 8 3 7 - 8 7 7 9

D E S C R I P T I O N : I C B D M 5 V A 6 . 5 P A L - G

L I N E	L O C A T E	I D N O O R P A R T N O .	D E S C R I P T I O N
176.00	SL HSU	144 090-0012	SCREW LOCK
177.00	SL HSD	144 090-0012	SCREW LOCK
178.00	SL IC15	144 090-0012	SCREW LOCK
179.00	SL IC17	144 090-0012	SCREW LOCK
180.00	GRS IC15	145 601-0076	TML JNT CMPD 200G/TUBE(AMICON)
181.00	GRS IC17	145 601-0076	TML JNT CMPD 200G/TUBE(AMICON)
182.00	TS CN5L	201 012-0308	TAP SCR PH 3*8
183.00	TS CN5R	201 012-0308	TAP SCR PH 3*8
184.00	TS CN6L	201 012-0308	TAP SCR PH 3*8
185.00	TS CN6R	201 012-0308	TAP SCR PH 3*8
186.00	MS-CN4L	202 000-0308	M-SCR-PH-PHIL-ISO-M3*8
+87.00	-MS-CN4R-	202 000-0308	-M-SCR-PH-PHIL-ISO-M3*8-
188.00	DS HSU	203 029-0227	DELTITE SCR PH M3*6
189.00	DS HSD	203 029-0227	DELTITE SCR PH M3*6
190.00	DS IC15	203 029-0227	DELTITE SCR PH M3*6
191.00	DS IC17	203 029-0227	DELTITE SCR PH M3*6
192.00	EYLET CN3L	204 1 048-0001	EYLET 3.5*7
193.00	EYLET CN3L	204 2 048-0002	EYLET 6*3.5*8
194.00	EYLET CN3R	204 1 048-0001	EYLET 3.5*7
195.00	EYLET CN3R	204 2 048-0002	EYLET 6*3.5*8

PART NO. : 837-8779

DESCRIPTION : IC BD M5 VA6.5 PAL-G

NE	LOCATE	DNO	OR	PART NO.	DESCRIPTION
1.00	PCB	1	1	171-5963-30	PC BD M5 PAL VA5 MAIN
2.00	C 2	115		151-0265	CAP CER CP 0.1UF 25V ZF 2125
3.00	C 3	115		151-0265	CAP CER CP 0.1UF 25V ZF 2125
4.00	C 6	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
5.00	C 7	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
6.00	C 8	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
7.00	C 9	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
8.00	C 10	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
9.00	C 14	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
10.00	C 15	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
11.00	C 16	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
12.00	C 17	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
13.00	C 18	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
14.00	C 19	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
15.00	C 20	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
16.00	C 21	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
17.00	C 22	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
18.00	C 25	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
19.00	C 26	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
20.00	C 27	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
21.00	C 28	112		151-0312	CAP CER CP 0.01UF 50V KB2125
22.00	C 29	105		151-0337	CAP CER CHIP 82PF 50V CH2125
23.00	C 33	112		151-0312	CAP CER CP 0.01UF 50V KB2125
24.00	C 34	108		151-0309	CAP CER CP 180PF 50V CH2125
25.00	C 35	101		151-0336	CAP CER CHIP 12PF 50V CH2125
26.00	C 37	106		151-0334	CAP CER CP 100PF 50V J CH 2125
27.00	C 39	910		NOT USED	NOT USED
28.00	C 45	111		151-0311	CAP CER CP 5600PF 50V KB2125
29.00	C 46	114		151-0269	CAP CER CP 0.1UF 25V K 2125
30.00	C 47	114		151-0269	CAP CER CP 0.1UF 25V K 2125
31.00	C 48	111		151-0311	CAP CER CP 5600PF 50V KB2125
32.00	C 69	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
33.00	C 73	115		151-0265	CAP CER CP 0.1UF 25V ZF 2125
34.00	C 75	112		151-0312	CAP CER CP 0.01UF 50V KB2125
35.00	C 76	112		151-0312	CAP CER CP 0.01UF 50V KB2125
36.00	C 77	110		151-0305	CAP CER CP 1000PF 50V KB2125
37.00	C 78	103		151-0318	CAP CER CHIP 33PF 50V CH 2125
38.00	C 80	910		NOT USED	NOT USED
39.00	C 81	109		151-0310	CAP CER CP 220PF 50V SL2125
40.00	C 82	102		151-0319	CAP CER CHIP 20PF 50V CH2125
41.00	C 83	115		151-0265	CAP CER CP 0.1UF 25V ZF 2125
42.00	C 85	110		151-0305	CAP CER CP 1000PF 50V KB2125
43.00	C 87	113		151-0307	CAP CER CP 0.022UF 50V ZF2125
44.00	C 88	104		151-0270	CAP CER CP 47PF 50V K SL 2125
45.00	C 89	113		151-0307	CAP CER CP 0.022UF 50V ZF
46.00	C 90	910		NOT USED	NOT USED
47.00	C 91	113		151-0307	CAP CER CP 0.022UF 50V ZF
48.00	C 92	103		151-0318	CAP CER CHIP 33PF 50V CH
49.00	C 93	910		NOT USED	NOT USED
50.00	C 94	910		NOT USED	NOT USED
51.00	C 95	115		151-0265	CAP CER CP 0.1UF 25V ZF
52.00	C 96	101		151-0336	CAP CER CHIP 12PF 50V CH
53.00	C102	103		151-0318	CAP CER CHIP 33PF 50V CH
54.00	C103	910		NOT USED	NOT USED
55.00	C105	910		NOT USED	NOT USED
56.00	C106	103		151-0318	CAP CER CHIP 33PF 50V CH
57.00	C107	103		151-0318	CAP CER CHIP 33PF 50V CH
58.00	C108	103		151-0318	CAP CER CHIP 33PF 50V CH

PARTS LIST

PART NO. : 837-8779

DESCRIPTION : IC BD M5 VA6.5 PAL-G

LINE	LOCATE	DNO OR PART NO.	DESCRIPTION
59.00	C109	103	CAP CER CHIP 33PF 50V CH
60.00	C110	103	CAP CER CHIP 33PF 50V CH
61.00	C112	103	CAP CER CHIP 33PF 50V CH
62.00	C113	103	CAP CER CHIP 33PF 50V CH
63.00	C114	910	NOT USED
64.00	C115	103	CAP CER CHIP 33PF 50V CH
65.00	C116	103	CAP CER CHIP 33PF 50V CH
66.00	C117	910	NOT USED
67.00	C118	910	NOT USED
68.00	C119	910	NOT USED
69.00	C120	910	NOT USED
70.00	C121	114	CAP CER CP 0.1UF 25V K
71.00	C122	910	NOT USED
72.00	C123	910	NOT USED
73.00	C124	910	NOT USED
74.00	R 1	132	RES CHIP 47KOHM 1/10W 5%
75.00	R 3	118	RES CHIP 120 OHM 1/10W 5%
76.00	R 4	119	RES CHIP 330 OHM 1/10W 5%
77.00	R 5	119	RES CHIP 330 OHM 1/10W 5%
78.00	R 6	119	RES CHIP 330 OHM 1/10W 5%
79.00	R 7	119	RES CHIP 330 OHM 1/10W 5%
80.00	R 8	123	RES CHIP 2.2KOHM 1/10W 5%
81.00	R 9	123	RES CHIP 2.2KOHM 1/10W 5%
82.00	R 10	123	RES CHIP 2.2KOHM 1/10W 5%
83.00	R 11	123	RES CHIP 2.2KOHM 1/10W 5%
84.00	R 12	123	RES CHIP 2.2KOHM 1/10W 5%
85.00	R 14	123	RES CHIP 2.2KOHM 1/10W 5%
86.00	R 15	123	RES CHIP 2.2KOHM 1/10W 5%
87.00	R 16	123	RES CHIP 2.2KOHM 1/10W 5%
88.00	R 17	125	RES CHIP 4.7KOHM 1/10W 5%
89.00	R 18	121	RES CHIP 1.2KOHM 1/10W 5%
90.00	R 19	125	RES CHIP 4.7KOHM 1/10W 5%
91.00	R 20	121	RES CHIP 1.2KOHM 1/10W 5%
92.00	R 21	125	RES CHIP 4.7KOHM 1/10W 5%
93.00	R 22	121	RES CHIP 1.2KOHM 1/10W 5%
94.00	R 23	124	RES CHIP 3.3KOHM 1/10W 5%
95.00	R 24	120	RES CHIP 1KOHM 1/10W 5%
96.00	R 25	117	RES CHIP 75 OHM 1/10W 5%
97.00	R 26	120	RES CHIP 1KOHM 1/10W 5%
98.00	R 27	121	RES CHIP 1.2KOHM 1/10W 5%
99.00	R 28	121	RES CHIP 1.2KOHM 1/10W 5%
100.00	R 29	120	RES CHIP 1KOHM 1/10W 5%
101.00	R 30	128	RES CHIP 24KOHM 1/10W 5%
102.00	R 31	123	RES CHIP 2.2KOHM 1/10W 5%
103.00	R 32	117	RES CHIP 75 OHM 1/10W 5%
104.00	R 33	117	RES CHIP 75 OHM 1/10W 5%
105.00	R 34	133	RES CHIP 51KOHM 1/10W 5%
106.00	R 35	123	RES CHIP 2.2KOHM 1/10W 5%
107.00	R 36	132	RES CHIP 47KOHM 1/10W 5%
108.00	R 37	133	RES CHIP 51KOHM 1/10W 5%
109.00	R 38	123	RES CHIP 2.2KOHM 1/10W 5%
110.00	R 39	132	RES CHIP 47KOHM 1/10W 5%

PARTS LIST

PART NO. : 837-8779
 DESCRIPTION : IC BD M5 VA6.5 PAL-G

LINE	LOCATE	DNO OR PART NO.	DESCRIPTION
111.00	R 40	127	476-2103-J-10 RES CHIP 10KOHM 1/10W 5%
112.00	R 41	127	476-2103-J-10 RES CHIP 10KOHM 1/10W 5%
113.00	R 42	127	476-2103-J-10 RES CHIP 10KOHM 1/10W 5%
114.00	R 43	127	476-2103-J-10 RES CHIP 10KOHM 1/10W 5%
115.00	R 49	117	476-2750-J-10 RES CHIP 75 OHM 1/10W 5%
116.00	R 50	117	476-2750-J-10 RES CHIP 75 OHM 1/10W 5%
117.00	R 51	132	476-2473-J-10 RES CHIP 47KOHM 1/10W 5%
118.00	R 52	132	476-2473-J-10 RES CHIP 47KOHM 1/10W 5%
119.00	R 53	123	476-2222-J-10 RES CHIP 2.2KOHM 1/10W 5%
120.00	R 54	123	476-2222-J-10 RES CHIP 2.2KOHM 1/10W 5%
121.00	R 55	126	476-2562-J-10 RES CHIP 5.6KOHM 1/10W 5%
122.00	R 56	126	476-2562-J-10 RES CHIP 5.6KOHM 1/10W 5%
123.00	R 57	126	476-2562-J-10 RES CHIP 5.6KOHM 1/10W 5%
124.00	R 58	131	476-2363-J-10 RES CHIP 36KOHM 1/10W 5%
125.00	R 59	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
126.00	R 64	127	476-2103-J-10 RES CHIP 10KOHM 1/10W 5%
127.00	R 65	134	476-2104-J-10 RES CHIP 100KOHM 1/10W 5%
128.00	R 66	129	476-2303-J-10 RES CHIP 30KOHM 1/10W 5%
129.00	R 67	121	476-2122-J-10 RES CHIP 1.2KOHM 1/10W 5%
130.00	R 68	910	NOT USED NOT USED
131.00	R 69	910	NOT USED NOT USED
132.00	R 70	122	476-2202-J-10 RES CHIP 2KOHM 1/10W 5%
133.00	R 71	123	476-2222-J-10 RES CHIP 2.2KOHM 1/10W 5%
134.00	R 72	121	476-2122-J-10 RES CHIP 1.2KOHM 1/10W 5%
135.00	R 73	120	476-2102-J-10 RES CHIP 1KOHM 1/10W 5%
136.00	R 74	130	476-2333-J-10 RES CHIP 33KOHM 1/10W 5%
137.00	R 77	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
138.00	R 78	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
139.00	R 79	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
140.00	R 80	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
141.00	R 81	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
142.00	R 82	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
143.00	R 83	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
144.00	R 84	125	476-2472-J-10 RES CHIP 4.7KOHM 1/10W 5%
145.00	R 85	116	476-2100-J-10 RES CHIP 10 OHM 1/10W 5%

PARTS LIST

PART NO. : 839-0262
DESCRIPTION : ASSY SUB BOARD 3 M5

LINE	DNO	OR	Q/U	SB	PART NO.	DESCRIPTION
1.00	1		1.000		171-5801	PC BD M5 USA SUB 3
2.00	101	1	1.000		212-5004	PIN PLUG FOR DC/NP UC-005G#1
3.00	101	2	1.000		212-5004-01	PIN PLUG FOR DC/NP DJ-005P-A
4.00	101	3	1.000		212-5004-02	PIN PLUG FOR DC/NP HEC0470-01

PART NO. : 839-0199

DESCRIPTION : ASSY SUB BOARD M5

LINE	LOCATE	DNO OR PART NO.	DESCRIPTION
1.00	PCB	1 171-5674	PC BOARD M5 SUB
2.00	CN10	101 210-5035	STEREO MINI JK HSJ0871-01-440

MEGA DRIVE

PAL-G (GERMANY)

S C H E M A T I C D I A G R A M

