RA 18 19 20

RA 14 15 16 17

LS245x2

G10 G9

D11 D10 D9

TC 5565 64K S-RAM 300mil/600mil E11

TC 5565 64K S-RAM 300mil/600mil E9

D1 RS1588

C33 22μ 25V

C34 22μ

C36 0.1μ

C35 0.1F

R19 470Ω

R18 4.7k

R17 4.7k

RA4.7k

C5 10μF 25V

C7

68000-10

315-5195

(7)

VDD - 102,111,120,129

VSS - 101.110,119.128

AS RW UDS LDS BTACK FC0 FC1 FC2 IPL0 IPL1 IPL2 VPA BERR HALT RESET BR BG BGACK CLK

RD UWR LWR BEAK CS0 CS1 CS2 CS3 VINT AEX CAS PBF PCS PRD PWR PB0 PB1 PB2 PB3 PB4 PB5 PB6 PB7 GCS ALE RST ASK P20 P21 P22 P23 INT TEST TSTG

AB0~15 (3/9.3/9.4/9.5/9.8/9.9/9)
AD1~23 〃
RD (3/9.3/9.4/9.8/9.9/9)
UWR (3/9.3/9.4/9.8/9.9/9)
LWR
VBACK (3/9)
ROM0 (9/9)
ROM1 〃
ROM2 〃
OBJ (9/9)
VRAM (3/9)
COLOR (3/9.9/9)
I/O (5/9)
VINT (3/9)
AEX (9/9)
CAS (9/9)
PBF
PCS
PRD
PWR
PB0~7 (3/9.4/9)
8M (9/9)
IOAK (4/9)
RESET (2/9.3/9.5/9.6/9.8/9)

8751 B2 VCC:40 GND:20

OSC 1 B1 XTAL OSC 20MHz

C1 LS74

C1 A1 MB3771

※回路ZQZ 25MHzを分周しCPUは LS74と同じパッケージにしてほしい事!

SYSTEM 16 B TYPE 171-5357
MAIN BD

1/9

INOUE 13/5-'86 内田

TOP SECRET
許可ナク複写、複製厳禁
THIS DRAWING WILL IN NO WAY BE COPIED, TO BE RETURNED ON DEMAND.
No. 0098
発行日 '87.7.30
配布先: 海外事業部
研究開発部
プライセス

315-5196

VDD 102, 111, 120, 129

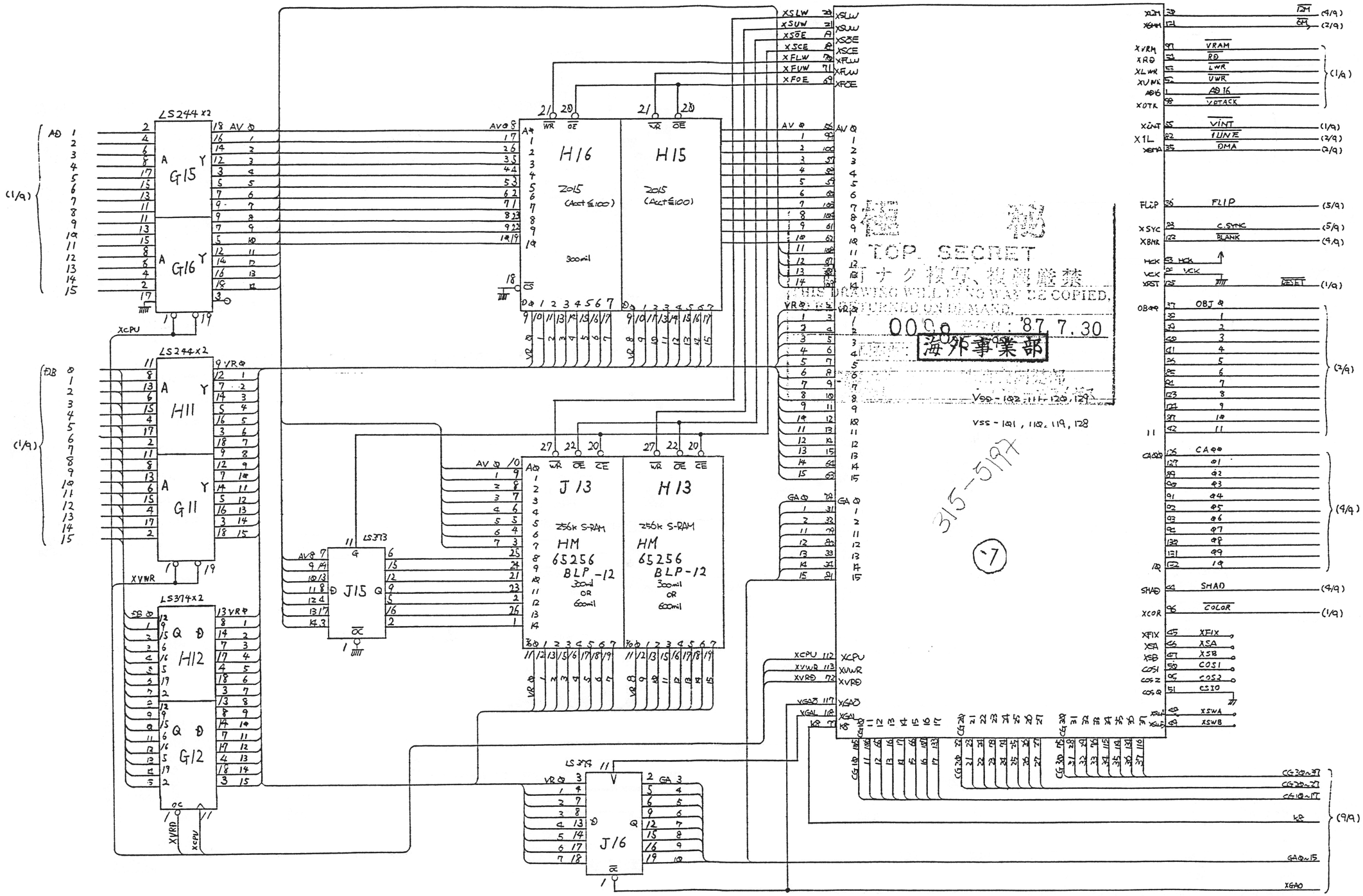
VSS 101, 105, 110, 114, 119, 123, 128, 132

TOP SECRET
許可なく複写、複製禁
THIS DRAWING WILL IN NO WAY BE COPIED,
TO BE RETURNED ON DEMAND
No. 0098
発行日 87.7.30
配布先 海外事業部
第四開発部
㈱セガ・エンタープライゼス

20 PIN VCC

10 PIN GND

SYSTEM 16 B TYPE
MAIN BD
171-5357
2/9 13/5-786
内田

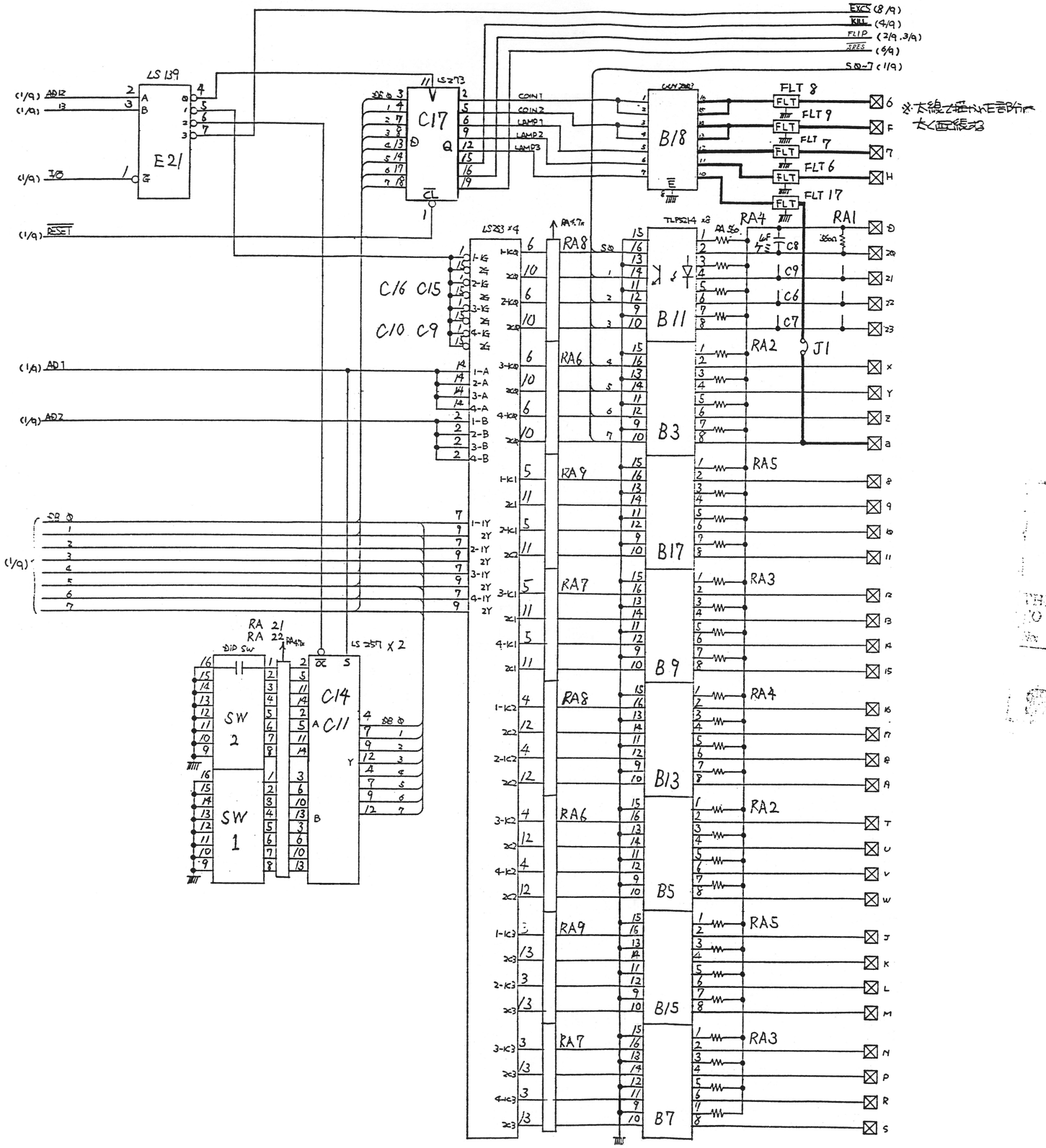

LS244 x2
G15
G16
H11
G11
LS374x2
H12
G12
XcPU
XVWR
XVRD
XcPU
LS373
J15
H16
H15
J13
H13
J16
2015
256k S-RAM
HM 65256 BLP-12
300mil OR 600mil
TOP SECRET
THIS DRAWING WILL NOT BE COPIED, RETURNED ON DEMAND.
'87 7.30
海外事業部
VDD - 102, 111, 120, 129
VSS - 101, 110, 119, 128
3/5-5197
-7
SYSTEM 16 B TYPE
MAIN BD
171-5357
3/9 1715-706
内田

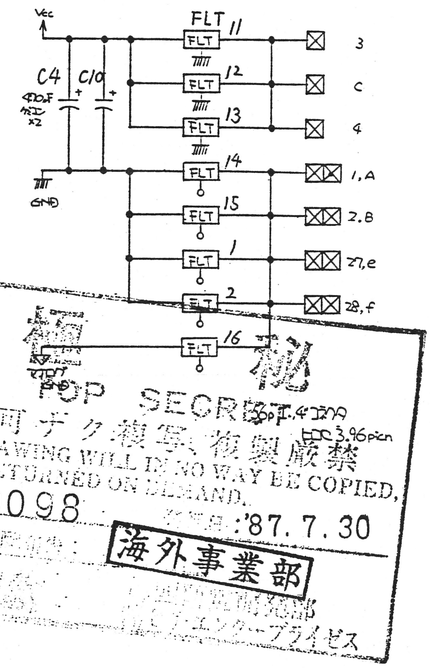
SYSTEM 16 B TYPE
MAIN BD

171-5357

4/9

17/4 -'86
内田





TOP SECRET
許可なく複写、複製厳禁
THIS DRAWING WILL IN NO WAY BE COPIED,
TO BE RETURNED ON DEMAND.
No. 0098
'87. 7. 30
海外事業部

SYSTEM 16 B TYPE
MAIN BD
171-5357

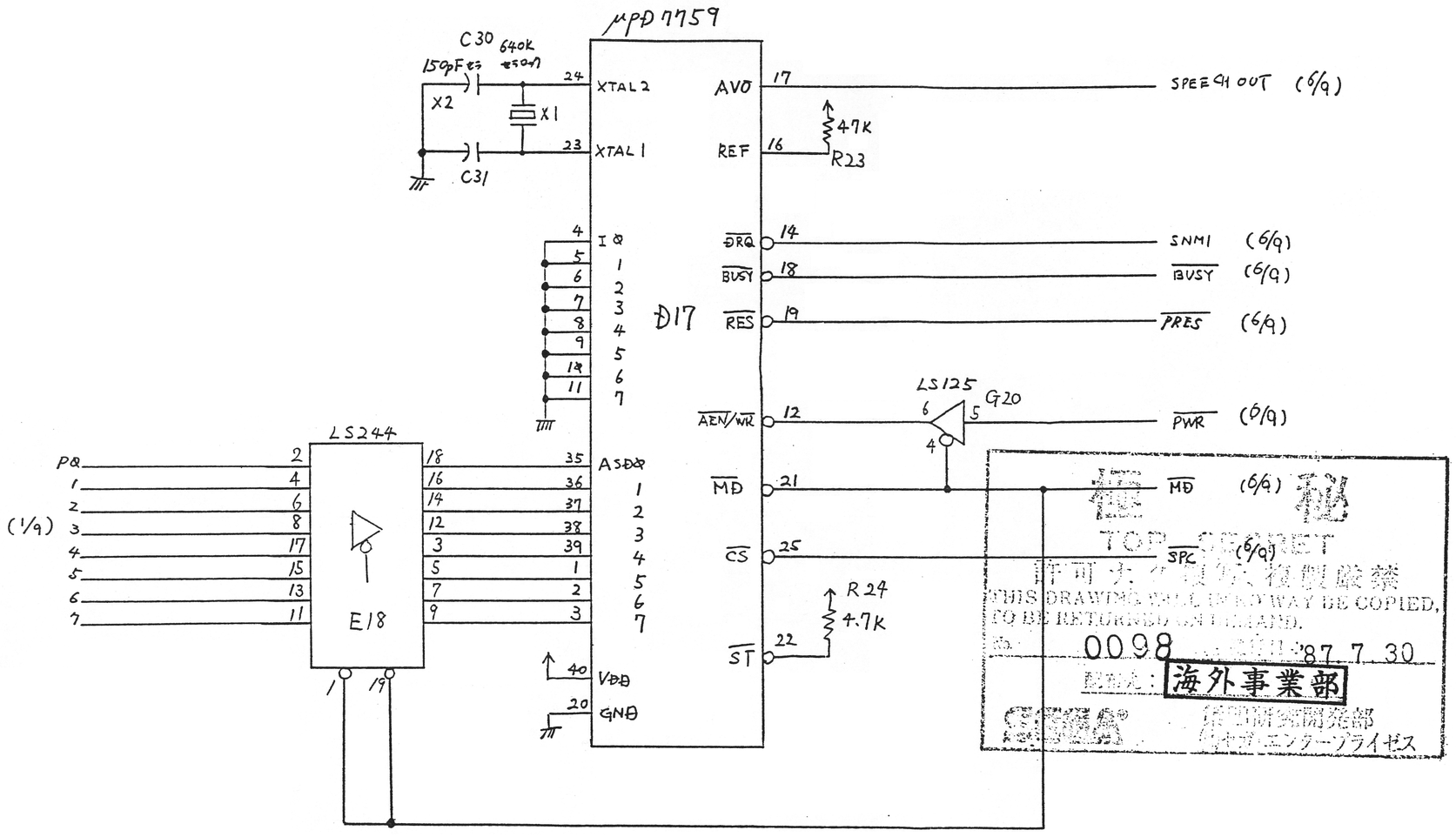
5/9
17/5-'86
内田

SAB 0~15 (9/9)
SPEECH OUT (7/9)
SAB 14~19 (9/9)
(1/9) (7/9) SNMI (1/9) PRE (7/9) BUSY (1/9) RESET (5/9) SRES
PRES (7/9) PCS (1/9) SRC (7/9) MD (7/9) PRD (1/9,9/9) PWR (1/9,7/9,9/9) SROM 8 (9/9) SROM 7 (9/9)

HC74 EM PR OSC 2 8MHz E 13 8M 5M 4M J2 J3 J4 J5 0Ω
Z80B D15 D14 2015 D12 YM2151 24pin DIP Vcc:22 Vss:1,11 YM3012 16pin DIP
CK2005 G14 LS273 E 20 LS00 ※9/9ZにLS273とLS00を実装
TL084 LM 324 C20 C22 C27 C28 C21 C19 C62 C63 R1~R16 VR1 D19 D20
MB3733 12pin SIP WITH HEAT SINK C11 C12 C13 C14 C15 C16 C17 C18 R1 R2 FLT10 +12V SP+ SP-

TOP SECRET
許可なく複写、複製禁
THIS DRAWING CAN NOT BE COPIED,
TO BE RETURNED ON DEMAND.
0098 - 納日:'87.7.30
配布先:海外事業部
第二開発部
エンタープライゼス

SYSTEM 16 B TYPE
171-5357
17/15-86 内田
6/9



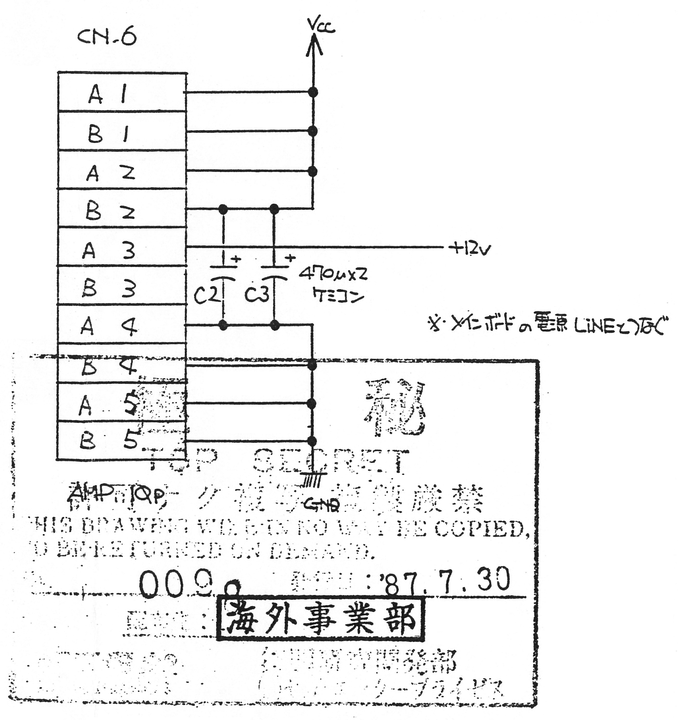
SYSTEM 16 B TYPE
MAIN BD
SPEECH 7/9

171-5357

17/5-'86
内田

CN.5　30P

A-1	Vcc
B-1	Vcc
A-2	GND
B-2	GND
A-3	NC
B-3	NC
A-4	AD 1
B-4	2
A-5	3
B-5	4
A-6	5
B-6	DB 0
A-7	1
B-7	2
A-8	3
B-8	4
A-9	5
B-9	6
A-10	7
B-10	R/W
A-11	UDS
B-11	LDS
A-12	RESET
B-12	EXCS
A-13	NC
B-13	NC
A-14	GND
B-14	GND
A-15	Vcc
B-15	Vcc



SYSTEM 16 B TYPE
MAIN BD　8/9

171-5357

13/15-706

CN. 1

	B	A
25	+ 5V	+ 5V
24	+ 5V	+ 5V
23	+ 5V	GND
22	GND	GND
21	GND	GND
20	GA 0	GA 1
19	2	3
18	4	5
17	6	7
16	8	9
15	10	11
14	12	13
13	GA 14	GA 15
12	CG 37	CG 36
11	35	34
10	33	32
9	31	30
8	27	26
7	25	24
6	23	22
5	21	20
4	17	16
3	15	14
2	13	12
1	CG 11	10

CN. 2

	B	A
25	+ 5V	+ 5V
24	+ 5V	+ 5V
23	+ 5V	GND
22	GND	GND
21	GND	GND
20	OBAC	XGA0
19		K8
18	RDB 15	RDB 14
17	13	12
16	11	10
15	9	8
14	7	6
13	5	4
12	3	2
11	RDB 1	RDB 0
10	CGB 3	CGB 2
9	CGB 1	CGB 0
8	CGD 15	CGD 14
7	13	12
6	11	10
5	9	8
4	7	6
3	5	4
2	3	2
1	CGD 1	CGD 0

CN. 3

	B	A
25	+ 5V	+ 5V
24	+ 5V	+ 5V
23	+ 5V	GND
22	GND	GND
21	GND	GND
20		SAD 15
19	SAD 14	13
18	12	11
17	10	9
16	8	7
15	6	5
14	4	3
13	2	SAD 1
12	SAD 0	AD 23
11	AD 22	21
10	20	19
9	18	17
8	16	15
7	14	13
6	12	11
5	10	9
4	8	7
3	6	5
2	TOP SECRET	
1	許可なく複写、転載禁	

THIS DRAWING MUST IN NO WAY BE COPIED,
TO BE RETURNED ON DEMAND.
No. 0098 '87.7.30
所有先：海外事業部

CN. 4

	B	A
25	+5V	+ 5V
24	+ 5V	+ 5V
23	GND	GND
22	GND	GND
21	CAS	UWR
20	SAB14	AEX
19	SAB16	SAB15
18	SAB18	SAB17
17	SROM1	SAB19
16	ROM2	SROM0
15	ROM1	ROM0
14	PRD	AS
13	LWR	RD
12	P 7	P 6
11	5	4
10	3	2
9	P 7	P 0
8	DB 15	DB 14
7	13	12
6	11	10
5	9	8
4	7	6
3	5	4
2	3	2
1	DB 1	DB 0

SYSTEM 16 B TYPE
MAIN BD
171-5357

9/9

12/15-86


J6 0Ω
J3 0Ω
J5 0Ω
J4 0Ω
J2
J1 (256) 0Ω
(512)
K8
PRGRM A1
PRGRM A2
PRGRM A3
PRGRM A4
PRGRM A5
PRGRM A6
OBJ B1
OBJ B2
OBJ B3
OBJ B4
OBJ B5
OBJ B6
OBJ B7
OBJ B8
FIX B9
FIX B10
FIX B11
SOUND A7
SOUND A8
SOUND A9
SOUND A10
SOUND A11
27256/27512
+5
C101 C102 C103 C104
220μ 16V ×4
極秘
TOP SECRET
許可なく複写、複製厳禁
DRAWING WILL IN NO WAY BE COPIED, TO BE RETURNED ON DEMAND.
0098
発行日：'87.7.30
配布先：海外事業部
SYSTEM 16 B TYPE
ROM BD
½
171-5358
171-5-86
注
FIXで512を使用する場合はJ5の切り換えの他にJ1をJ2に切り換える必要があります。

CN. 1

	B	A
25	+5V	+5V
24	+5V	+5V
23	+5V	GND
22	GND	GND
21	GND	GND
20	GA 0	GA 1
19	2	3
18	4	5
17	6	7
16	8	9
15	10	11
14	12	13
13	GA 14	GA 15
12	CG 37	CG 36
11	35	34
10	33	32
9	31	30
8	27	26
7	25	24
6	23	22
5	21	20
4	17	16
3	15	14
2	13	12
1	CG 11	10

CN. 2

	B	A
25	+5V	+5V
24	+5V	+5V
23	+5V	GND
22	GND	GND
21	GND	GND
20	OBAC	XGA0
19		K8
18	RGB 15	RGB 14
17	13	12
16	11	10
15	9	8
14	7	6
13	5	4
12	3	2
11	RGB 1	RGB 0
10	CGB 3	CGB 2
9	CGB 1	CGB 0
8	CGD 15	CGD 14
7	13	12
6	11	10
5	9	8
4	7	6
3	5	4
2	3	2
1	CGD 1	CGD 0

CN. 3

	B	A
25	+5V	+5V
24	+5V	+5V
23	+5V	GND
22	GND	GND
21	GND	GND
20		SAD 15
19	SAD 14	13
18	12	11
17	10	9
16	8	7
15	6	5
14	4	3
13	2	SAD 1
12	SAD 0	AD 23
11	AD 22	21
10	20	19
9	18	17
8	16	15
7	14	13
6	12	11
5	10	9
4	8	7
3	6	5
2	4	3
1	AD 2	AD 1

CN. 4

	B	A
25	+5V	+5V
24	+5V	+5V
23	GND	GND
22	GND	GND
21	CAS	UWR
20	SAB14	AEX
19	SAB16	SAB15
18	SAB18	SAB17
17	SROM1	SAB19
16	ROM2	SROM0
15	ROM1	ROM0
14	PRD	AS
13	LWR	RD
12	P7	P6
11	5	4
10	3	2
9	P1	P0
8	DB 15	DB 14
7	13	12
6	11	10
5	9	8
4	7	6
3	5	4
2	3	2
1	DB 1	DB 0

極秘
TOP SECRET
許可ナク複写、複製厳禁
THIS DRAWING WILL IN NO WAY BE COPIED,
TO BE RETURNED ON DEMAND.
No. 0098 発行日：87.7.30
配布先：海外事業部
開発研究開発部
セガ・エンタープライゼス

SYSTEM16 B TYPE
ROM BD
171-5358

2/2

12/15-'86
内田