

C1

EK	1
+15	2
-15	3
K2	4
K1	5

C2

L1	1
-10	2
-10	3
L2	4
T2	5
T1	6
LTR	7
LT	8
T3	9

C3

S	1
MP	2
+5	3
-10	4
E	5

C4

B1	1
B2	2
B3	3
B4	4
B5	5
B6	6
B7	7
B8	8

C5

N1	1
N2	2
N3	3
N4	4
N5	5
N6	6

C6

VR	1
PG	2
PS	3

CT

1	+15
2	-15
3	K2
4	K1
5	E

C1

Pin No.	Pin Name	Wire Color	Destination
1	EK	BL	PL-E (C3-6)
2	+15	BR	IF+15 (C6-6)
3	-15	YE	IF-15 (C6-2)
4	K2	RE	JK2-K1 (C2-2)
5	K1	BR	JK1-K1 (C2-2)

C2

Pin No.	Pin Name	Wire Color	Destination
1	L1	BR	VCO-L1 (C5-3)
2	-10	BE	VCO-10 (C2-1)
3	-10	BE	VCO-10 (C5-1)
4	L2	RE	VCO-L2 (C2-3)
5	T2	VI	JK2-T1 (C2-5)
6	T1	BE	JK1-T1 (C2-5)
7	LTR	GR	PA-LTR (C6-6)
8	LT	BE	MOD-LT (C12-1)
9	T3	OR	MOD-T3 (C11-1)

C3

Pin No.	Pin Name	Wire Color	Destination
1	S	OR	PL-S (C1-7)
2	MP	YE	PL-MP (C1-3)
3	+5	GR	PL+5 (C1-2)
4	-10	BE	PL-10 (C1-1)
5	E	BL	DC-DE (C1-9)

C4

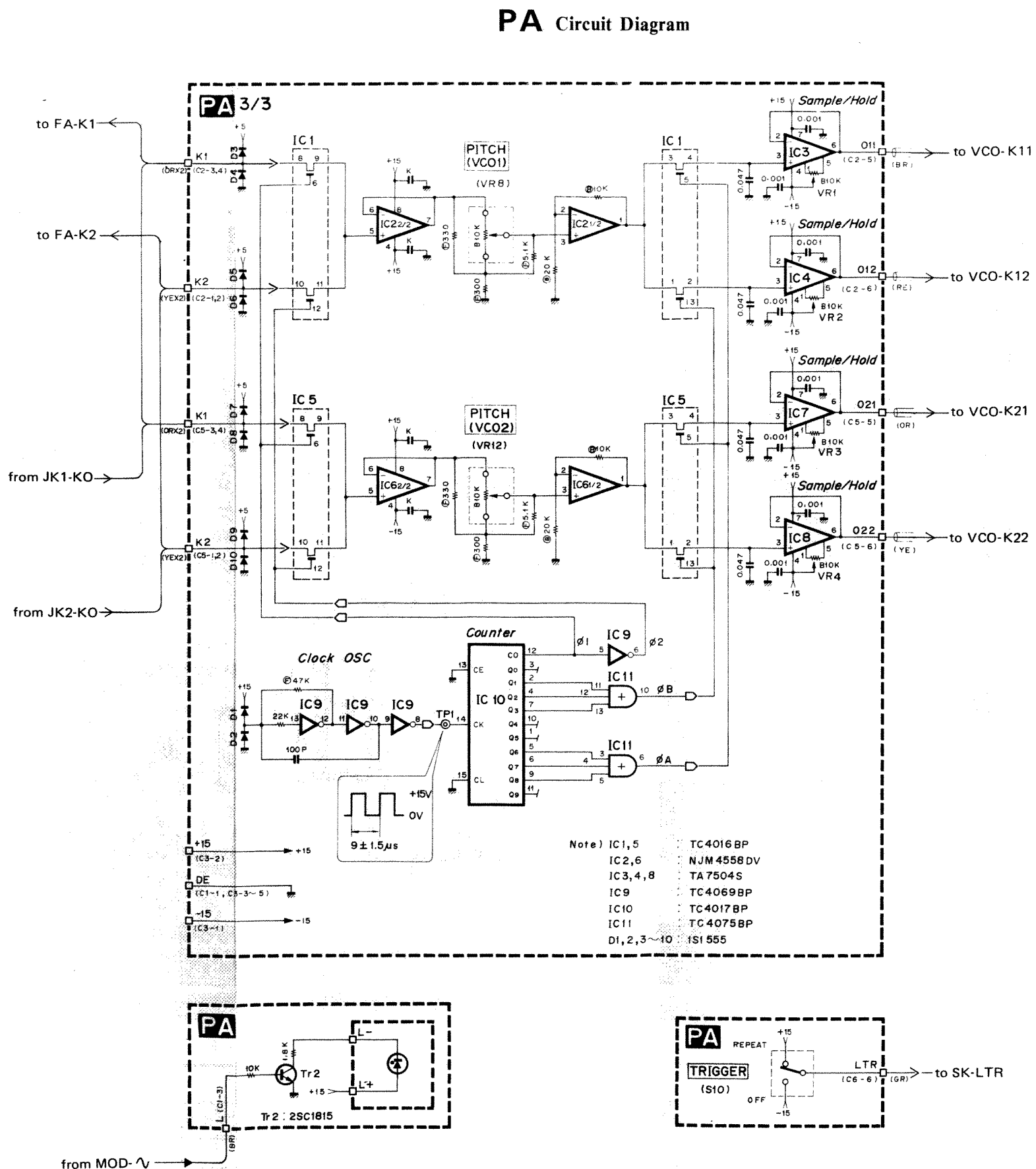
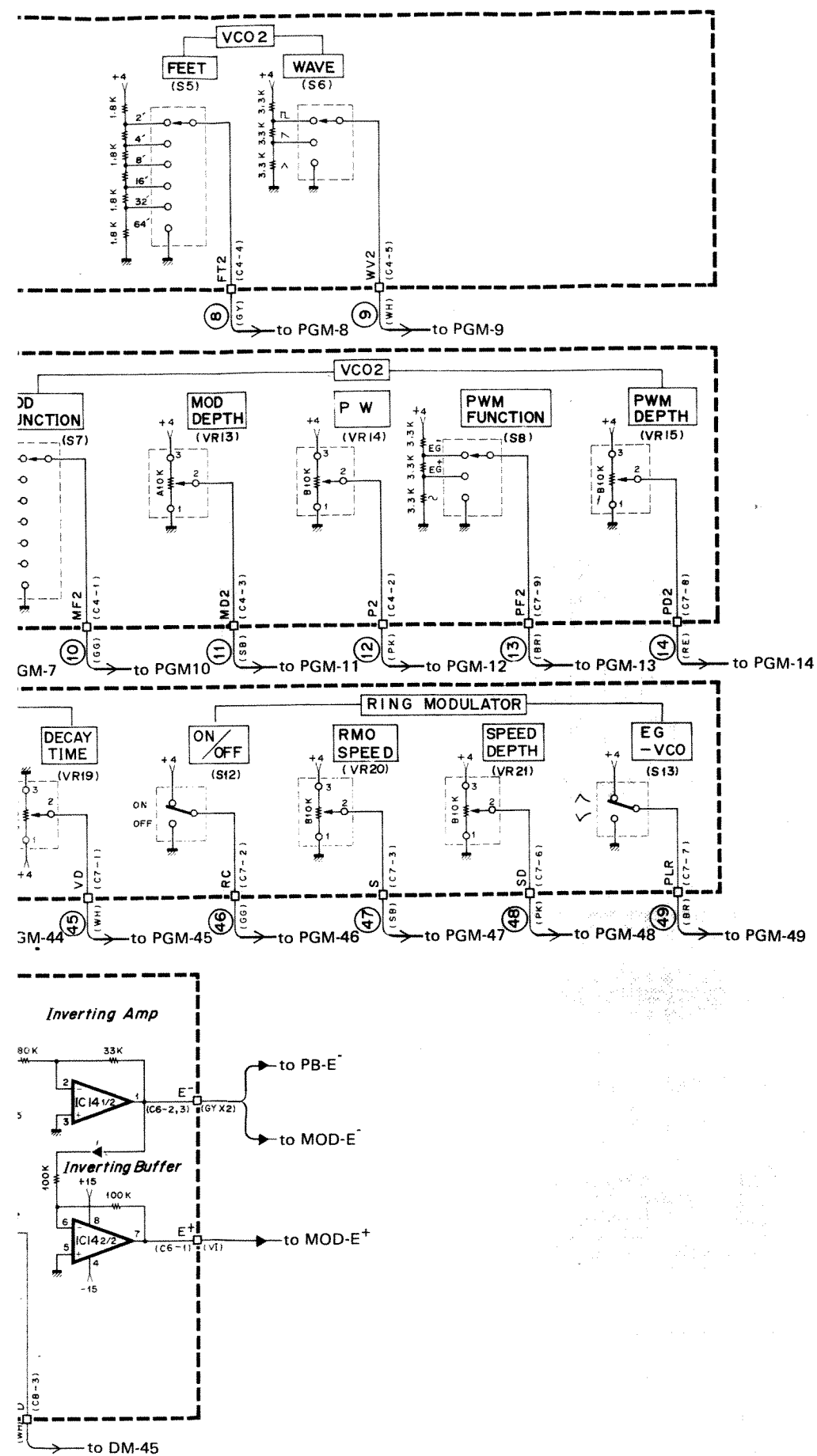
Pin No.	Pin Name	Wire Color	Destination
1	B1	BR	KS-B1 (C2-1)
2	B2	RE	KS-B2 (C2-2)
3	B3	OR	KS-B3 (C2-3)
4	B4	YE	KS-B4 (C2-4)
5	B5	GR	KS-B5 (C2-5)
6	B6	BE	KS-B6 (C2-6)
7	B7	VI	KS-B7 (C2-7)
8	B8	GY	KS-B8 (C2-8)

C5

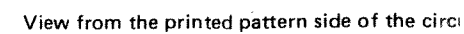
Pin No.	Pin Name	Wire Color	Destination
1	N1	WH	KS-N1 (C1-3)
2	N2	GG	KS-N2 (C1-4)
3	N3	SB	KS-N3 (C1-5)
4	N4	PK	KS-N4 (C1-6)
5	N5	BR	KS-N5 (C1-1)
6	N6	RE	KS-N6 (C1-2)

C6

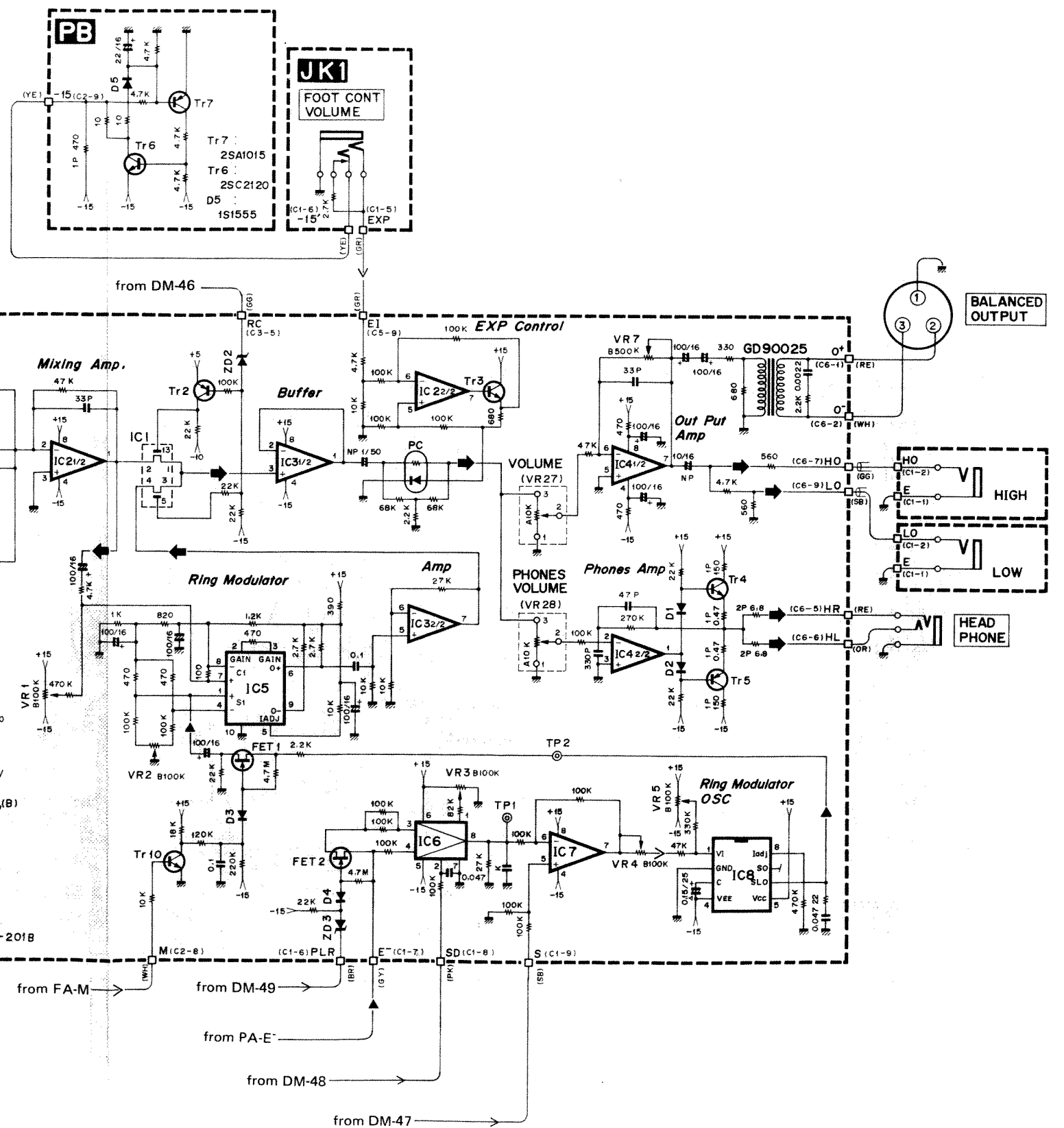
Pin No.	Pin Name	Wire Color	Destination
1	VR	OR	PL-VR (C2-6)
2	PG	YE	PL-PG (C1-6)
3	PS	GR	PL-PS (C1-5)







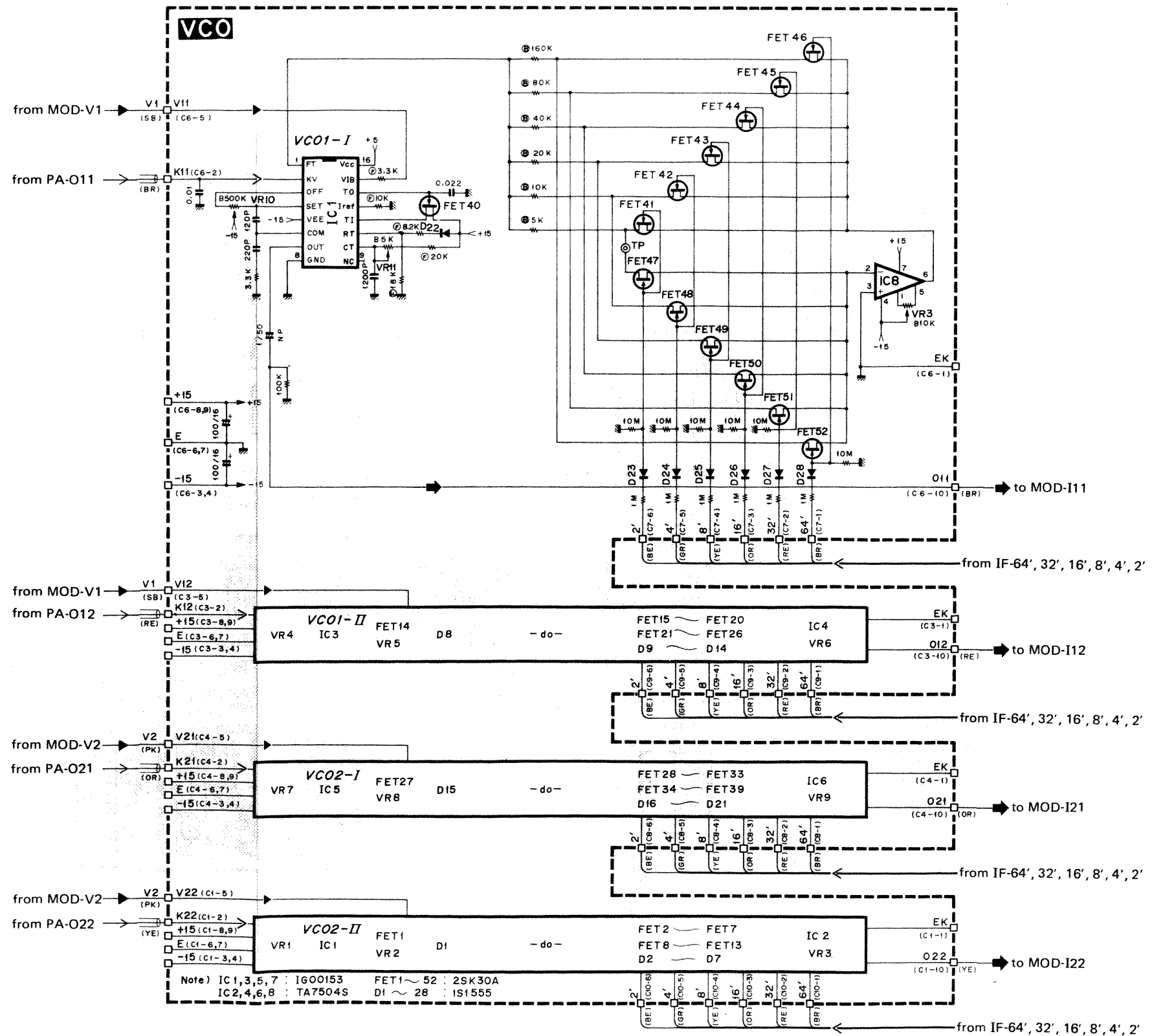
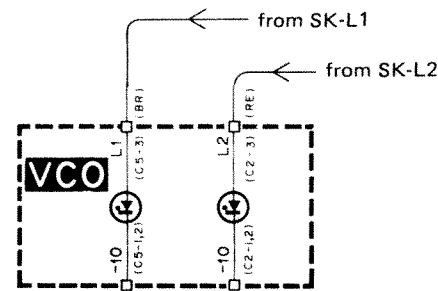
## PB Circuit Diagram

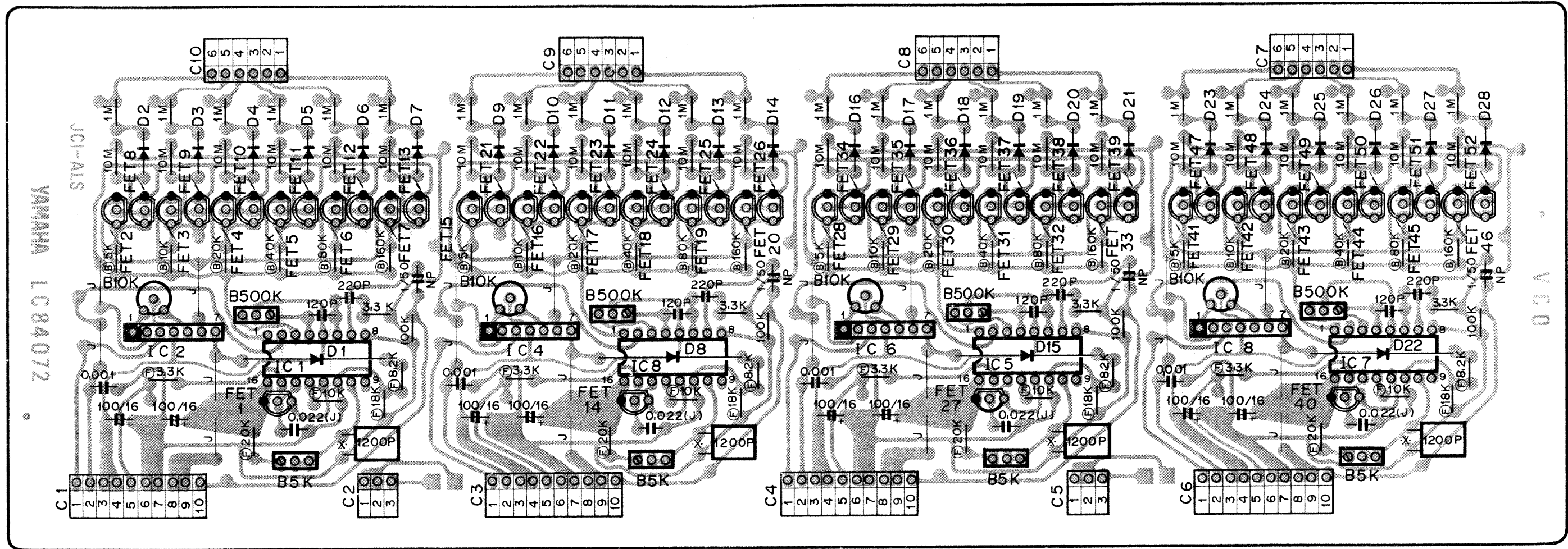






# VCO Circuit Diagram





Pin No.	Pin Name
1	EK
2	K22
3	-15
4	-15
5	V22
6	E
7	E
8	+15
9	+15
10	O22

Pin No.	Pin Name
1	-10
2	-10
3	L2

Pin No.	Pin Name
1	EK
2	K21
3	-15
4	-15
5	V21
6	E
7	E
8	+15
9	+15
10	O21

Pin No.	Pin Name
1	EK
2	K12
3	-15
4	-15
5	V12
6	E
7	E
8	+15
9	+15
10	O12

Pin No.	Pin Name
1	-10
2	-10
3	L1

Pin No.	Pin Name
1	EK
2	K11
3	-15
4	-15
5	V11
6	E
7	E
8	+15
9	+15
10	O11

Pin No.	Pin Name
1	64'
2	32'
3	16'
4	8'
5	4'
6	2'

Pin No.	Pin Name
1	64'
2	32'
3	16'
4	8'
5	4'
6	2'

Pin No.	Pin Name
1	64'
2	32'
3	16'
4	8'
5	4'
6	2'

Pin No.	Pin Name
1	64'
2	32'
3	16'
4	8'
5	4'
6	2'

Pin No.	Pin Name
1	EK
2	K
3	-15
4	-15
5	V
6	E
7	E
8	+15
9	+15
10	O

Pin No.	Pin Name
1	-10
2	-10
3	L2

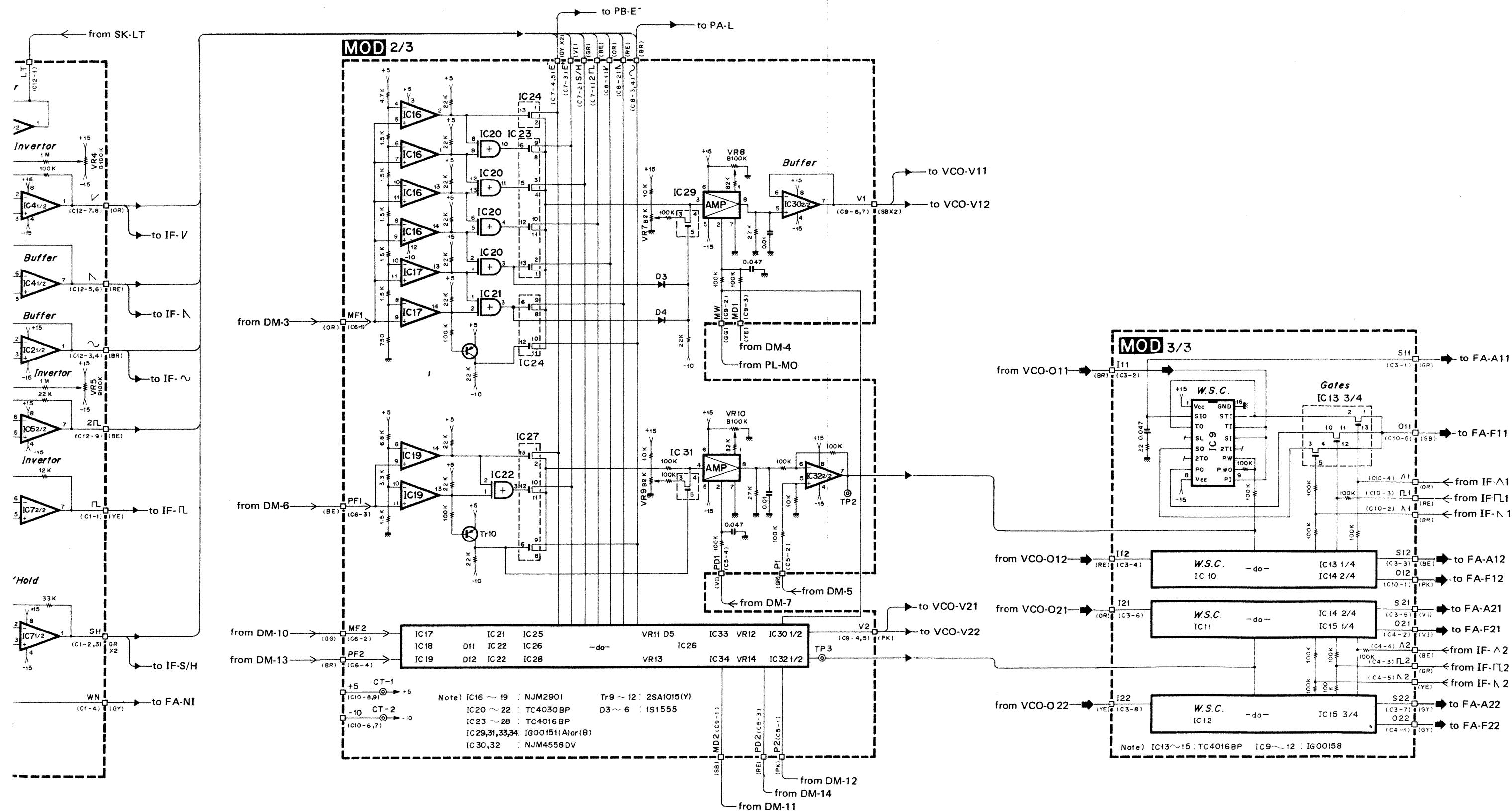
Pin No.	Pin Name
1	EK
2	K
3	-15
4	-15
5	V
6	E
7	E
8	+15
9	+15
10	O

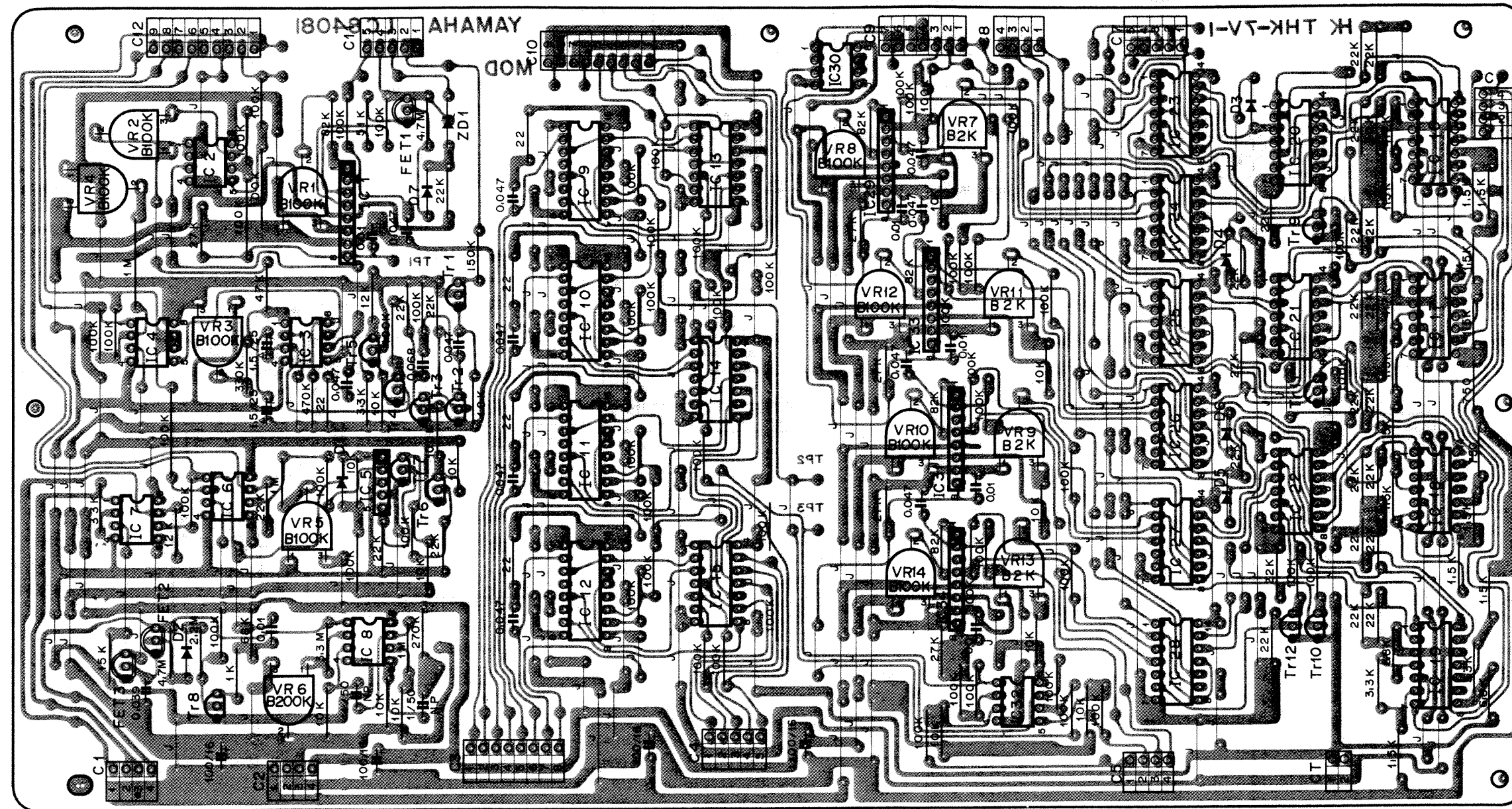
Pin No.	Pin Name
1	EK
2	K
3	-15
4	-15
5	V
6	E
7	E
8	+15
9	+15
10	O

Pin No.	Pin Name
1	-10
2	-10
3	L1





MOD Circuit Diagram





**C1**

Pin No.	Pin Name	Wire Color	Destination
1		YE	IF- (C5-7) 
2	S/H	GR	MOD-S/H (C7-2)
3	S/H	GR	IF-S/H (C5-5)
4	WN	GY	FA-NI (C6-2)

### C2

Pin No.	Pin Name	Wire Color	Destination
1	-15	YE	DC-15 (C2-6)
2	E	BL	DC-AE (C2-4)
3	E	BL	PB-E (C8-8)
4	+15	BR	DC+15 (C2-2)

### C3

Pin No.	Pin Name	Wire Color	Destination
1	S11	GR	FA-A11 (C8-6)
2	I11	BR	VCO-O (C6-10)
3	S12	BE	FA-A12 (C8-5)
4	I12	RE	VCO-O (C3-10)
5	S21	VI	FA-A21 (C9-1)
6	I21	OR	VCO-O (C4-10)
7	S22	GY	FA-A22 (C8-8)
8	I22	YE	VCO-O (C1-10)

Pin No.	Pin Name	Wire Color	Destination
1	Q22	GY	FA-F22 (C6-4)
2	Q21	VI	FA-F21 (C6-5)
3	Q1	GR	IF-F1 2 (C7-6)
4	^ 2	BE	IF-^ 2 (C7-9)
5	^ 2	YE	IF-^ 2 (C7-5)

Pin No.	Pin Name	Wire Color	Destination
1	P2	PK	DM-12 (C2-3)
2	P1	GR	DM-5 (C11-1)
3	PD2	RE	DM-14 (C2-1)
4	PD1	VI	DM-7 (C11-3)

### C6

Pin No.	Pin Name	Wire Color	Destination
1	MF1	OR	DM-3 (C1-2)
2	MF2	GG	DM-10 (C2-5)
3	PF1	BE	DM-6 (C11-2)
4	PF2	BR	DM-13 (C2-2)

Pin No.	Pin Name	Wire Color	Destination
1	2 FL	BE	MOD-2 FL (C12-9)
2	S/H	GR	MOD-S/H (C1-2)
3	E <sup>+</sup>	VI	PA-E <sup>+</sup> (C6-1)
4	E <sup>-</sup>	GY	MOD-E <sup>-</sup> (C11-4)
5	E <sup>-</sup>	GY	PA-E <sup>-</sup> (C6-3)

### C8

Pin No.	Pin Name	Wire Color	Destination
1	✓	OR	MOD-✓ (C12-7)
2	∩	RE	MOD-∩ (C12-5)
3	~	BR	PA-L (C1-3)
4	~	BR	MOD-~ (C12-3)

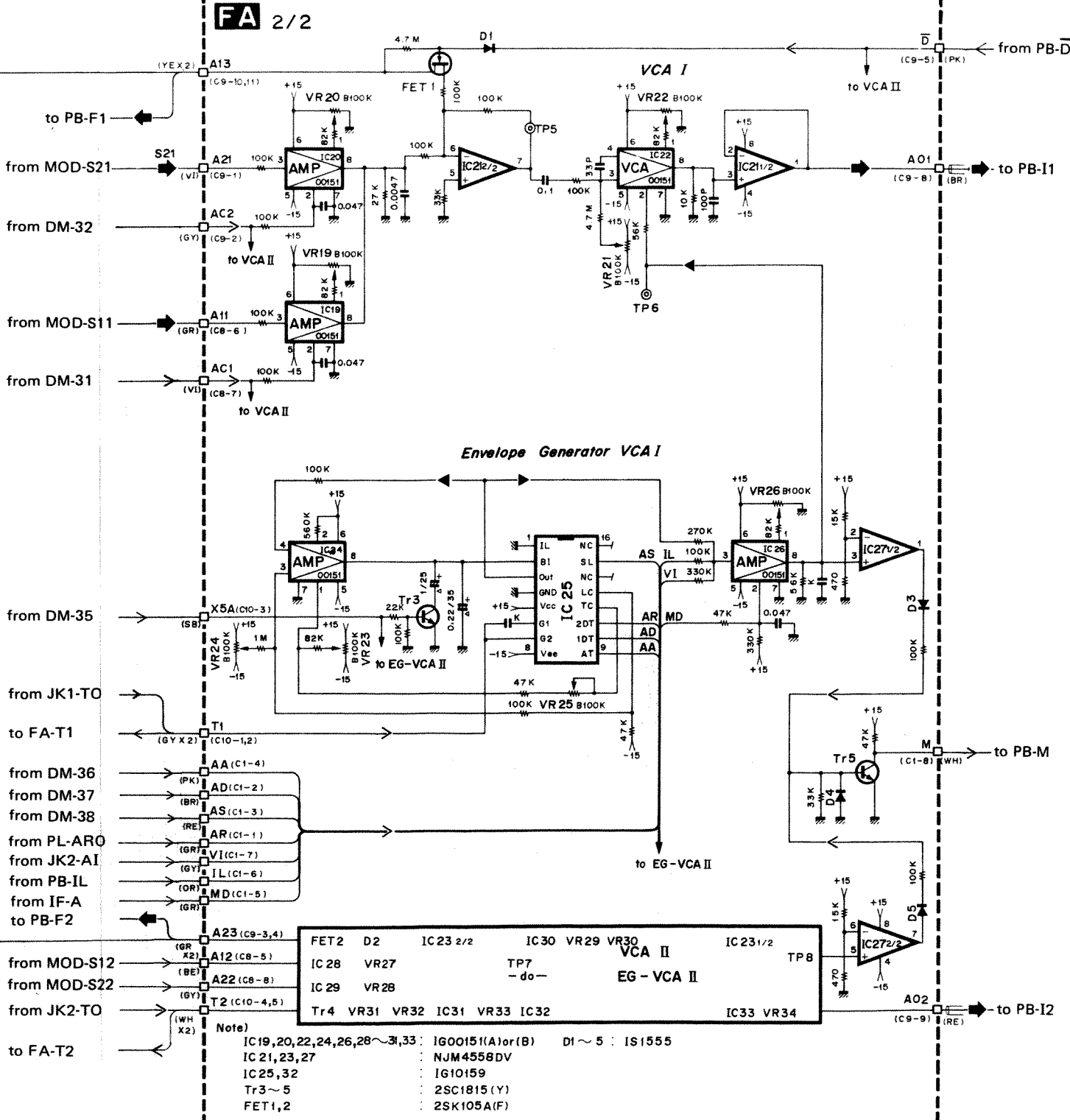
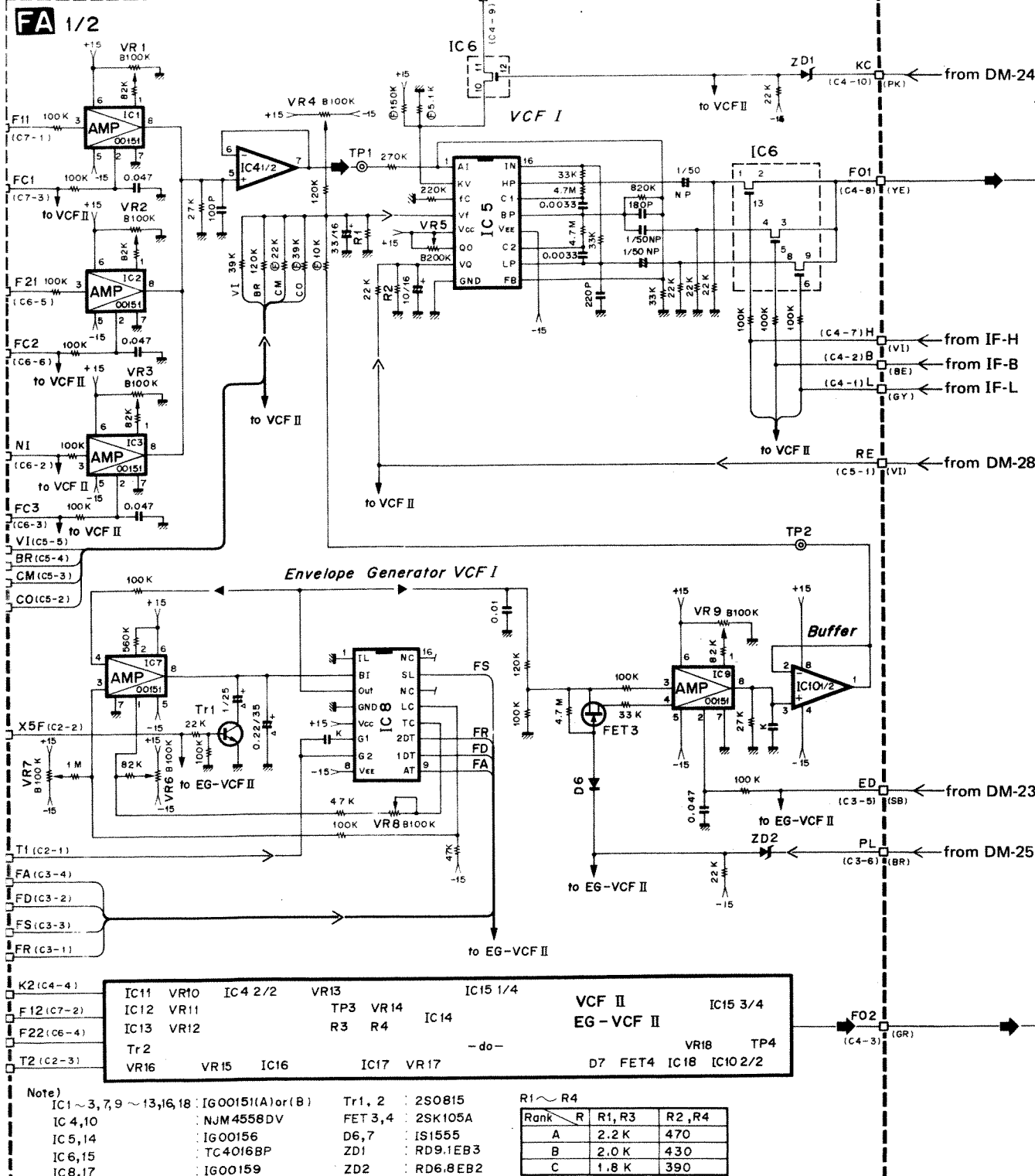
Pin No.	Pin Name	Wire Color	
1	MD2	SB	DA
2	MW	GG	PL
3	MD1	YE	DA
4	V2	PK	VO
5	V2	PK	VO
6	V1	SB	VO
7	V1	SB	VO

Pin No.	Pin Name	Wire Color	
1	O12	PK	FA
2	N 1	BR	IF
3	Q 1	RE	IF
4	A 1	OR	IF
5	O11	SB	FA
6	-10	BE	DO
7	-10	BE	FA
8	+5	GR	DO
9	+5	GR	FA

Pin No.	Pin Name	Wire Color	
1	T3	OR	SR
2	T3	OR	PA
3	PL	BE	D
4	E	GY	M
5	SD	GR	D

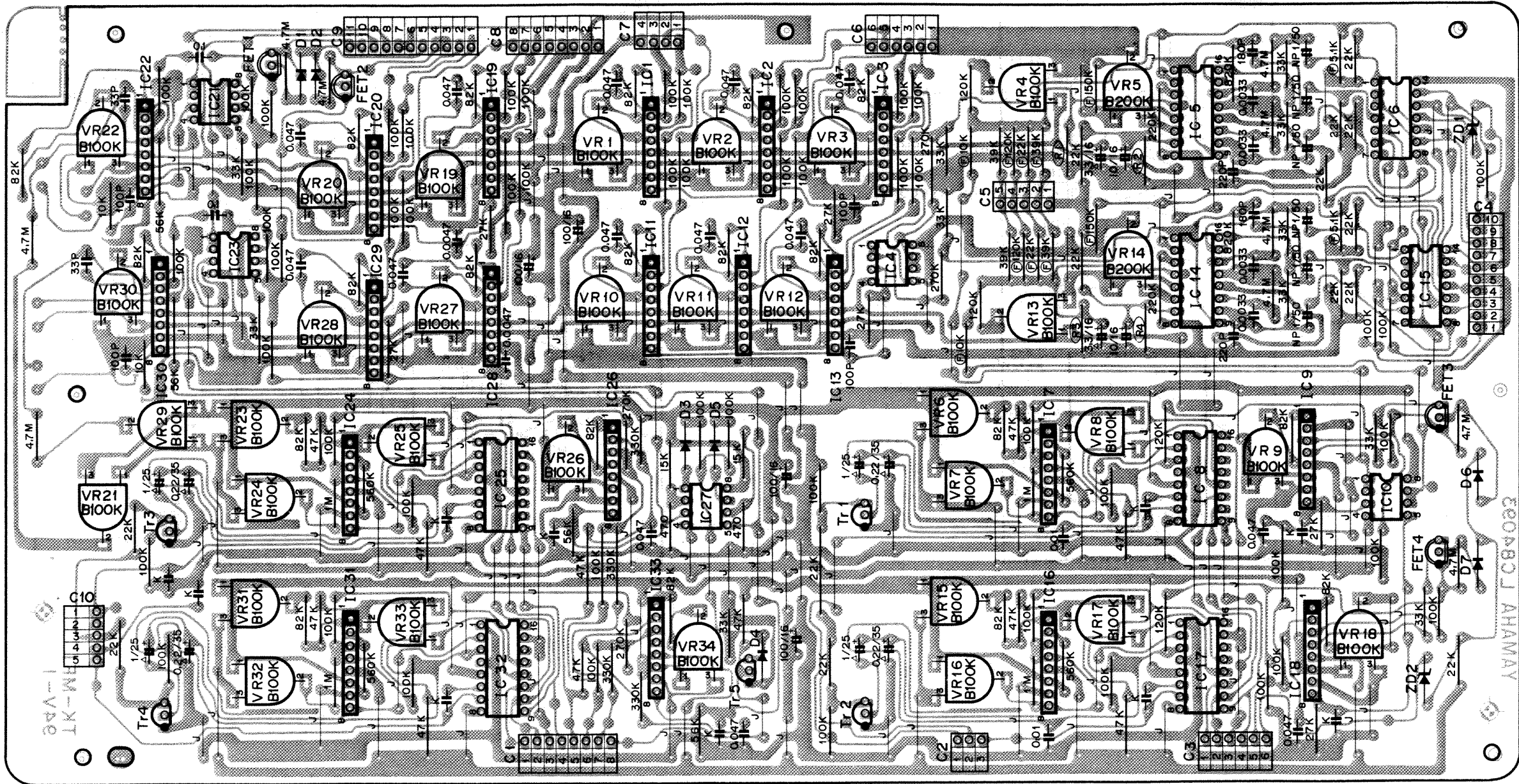
Pin No.	Pin Name	Wire Color	
1	LT	BE	S
2	S	YE	D
3	~	BR	M
4	~	BR	IF
5	~	RE	M
6	~	RE	IF
7	✓	OR	M
8	✓	OR	IF
9	2 ~	BE	M

## FA Circuit Diagram





C10			
T1	1	1	
T1	2	2	
X5A	3	3	
T2	4	4	
T2	5	5	



C9			
11	A13		
10	A13		
9	A02		
8	A01		
7	E		
6	E		
5	D		
4	A23		
3	A23		
2	A02		
1	A21		

C8			
8	A22		
7	A01		
6	A11		
5	A12		
4	+15		
3	+15		
2	E		
1	E		

C7			
4	-15		
3	FC1		
2	F12		
1	F11		

C6			
6	FC2		
5	F21		
4	F22		
3	FC3		
2	N1		
1	+15		

C5			
5	V1		
4	BR		
3	CM		
2	CO		
1	RE		

C1			
AR	1		
AD	2		
AS	3		
AA	4		
MD	5		
IL	6		
V1	7		
M	8		

C2			
T1	1		
X5F	2		
T2	3		

C3			
FR	1		
FD	2		
FS	3		
FA	4		
ED	5		
PL	6		

C4			
10	KC		
9	K1		
8	F01		
7	H		
6	+5		
5	-10		
4	K2		
3	F02		
2	B		
1	L		

Pin No.	Pin Name	Wire Color	Des
1	AR	GR	PL-AR1
2	AD	BR	DM-37
3	AS	RE	DM-38
4	AA	PK	DM-36
5	MD	GR	IF-A (C
6	IL	OR	PB-IL (
7	VI	GY	JK2-A1
8	M	WH	PB-M (

Pin No.	Pin Name	Wire Color	Des
1	T1	GY	FA-T1
2	X5F	RE	DM-26
3	T2	WH	FA-T2

Pin No.	Pin Name	Wire Color	Des
1	FR	VI	PL-FR
2	FD	YE	DM-26
3	FS	GR	DM-25
4	FA	OR	DM-27
5	ED	SB	DM-23
6	PL	BR	DM-25

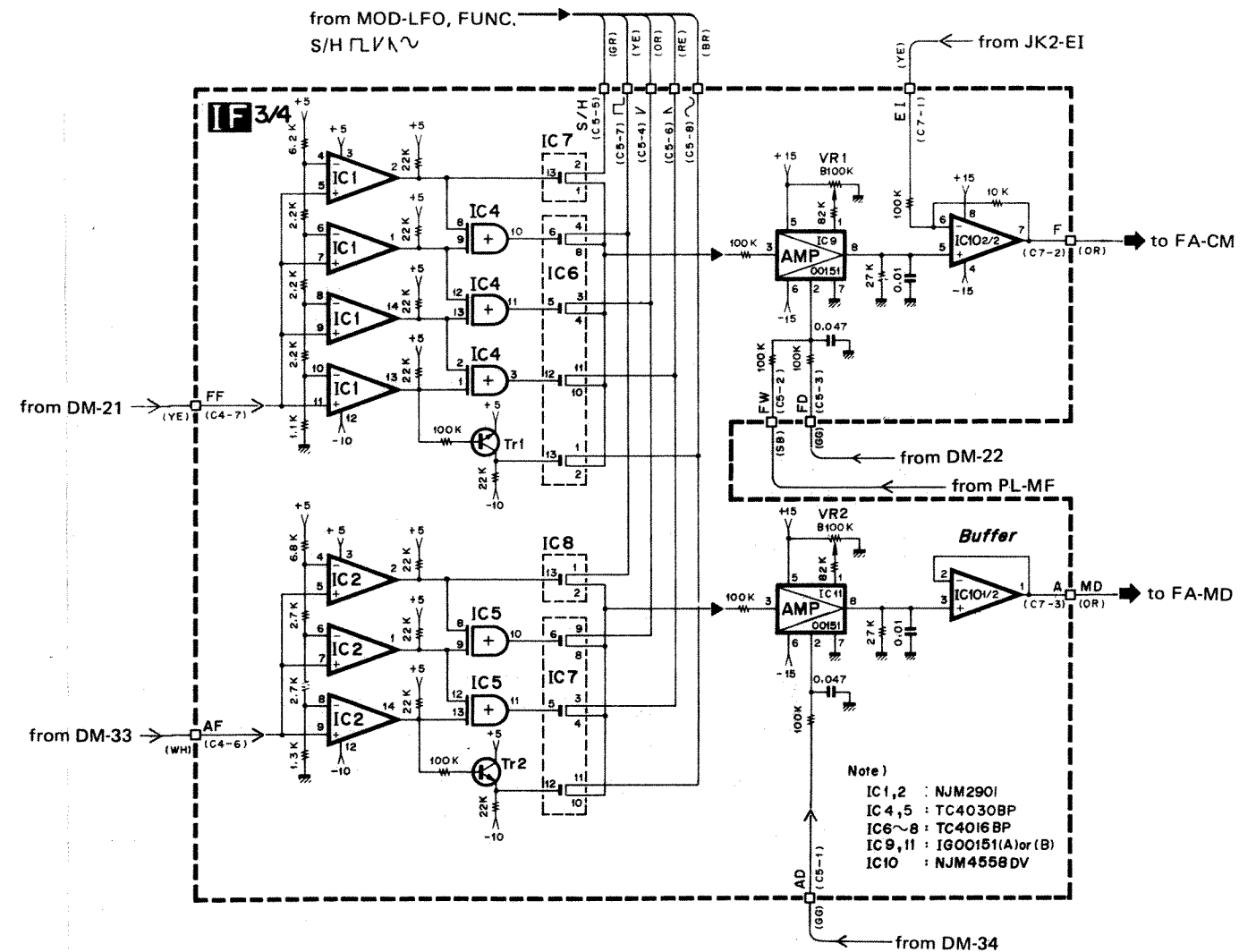
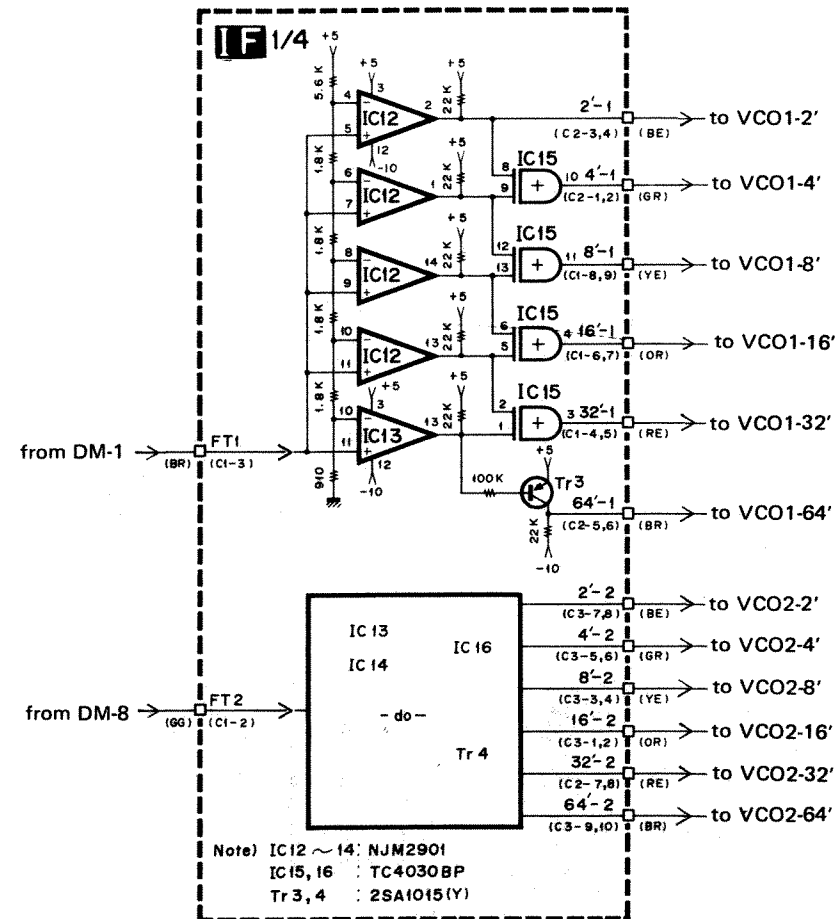
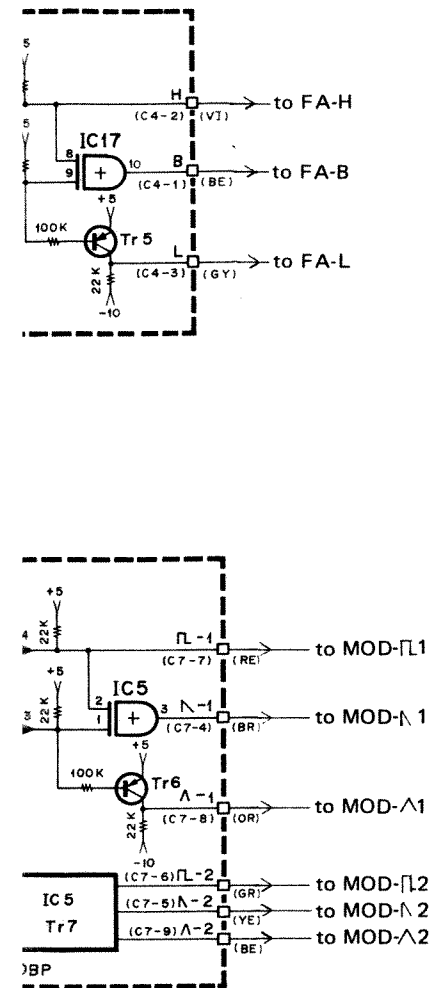
Pin No.	Pin Name	Wire Color	Des
1	L	GY	IF-L (
2	B	BE	IF-B (
3	F02	GR	FA-A2
4	K2	YE	PA-K2
5	-10	BE	MOD-
6	+5	GR	MOD-
7	H	VI	IF-H (
8	F01	YE	FA-A1
9	K1	OR	PA-K1
10	KC	PK	DM-24

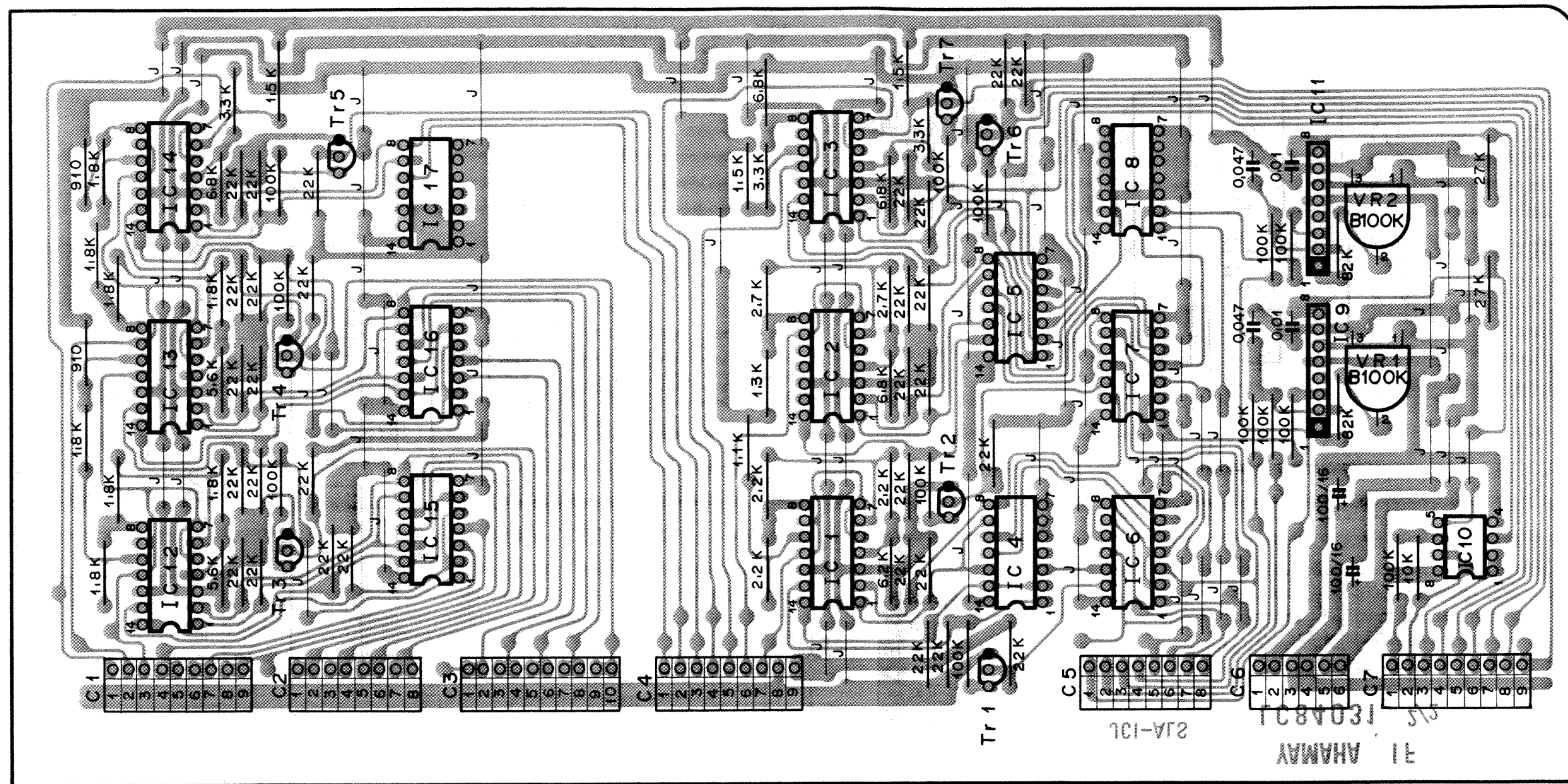
Pin No.	Pin Name	Wire Color	Des
1	RE	VI	DM-15
2	CO	BE	DM-15
3	CM	OR	IF-F (
4	BR	YE	PL-BR
5	VI	GR	JK1-F

Pin No.	Pin Name	Wire Color	Des
1	+15	BR	FA-+1
2	N1	GY	MOD-
3	FC3	GR	DM-17
4	F22	GY	MOD-
5	F21	VI	MOD-
6	FC2	YE	DM-16

Pin No.	Pin Name	Wire Color	Des
1	F11	SB	MOD-
2	F12	PK	MOD-
3	FC1	OR	DM-15
4	-15	YE	DC-

# IF Circuit Diagram





C 1

FM	1
FT2	2
FT1	3
32'-1	4
32'-1	5
16'-1	6
16'-1	7
8'-1	8
8'-1	9

C 2

4'-1	1
4'-1	2
2'-1	3
2'-1	4
64'-1	5
64'-1	6
32'-2	7
32'-2	8

C 3

16'-2	1
16'-2	2
8'-2	3
8'-2	4
4'-2	5
4'-2	6
2'-2	7
2'-2	8
64'-2	9
64'-2	10

C 4

B	1
H	2
L	3
WV2	4
WV1	5
AF	6
FF	7
+5	8
-10	9

C 5

AD	1
FW	2
FD	3
V	4
S/H	5
N	6
~	7
~	8

C 6

-15	1
-15	2
E	3
E	4
+15	5
+15	6

C 7

E1	1
F	2
A	3
Λ1	4
Λ2	5
Λ1	6
Λ1	7
Λ2	8
Λ2	9

C1

Pin No.	Pin Name	Wire Color	Destination
1	FM	GY	DM-20 (C3-5)
2	FT2	GG	DM-8 (C11-4)
3	FT1	BR	DM-1 (C1-4)
4	32'	RE	VCO-32' (C7-2)
5	32'	RE	VCO-32' (C9-2)
6	16'	OR	VCO-16' (C7-3)
7	16'	OR	VCO-16' (C9-3)
8	8'	YE	VCO-8' (C7-4)
9	8'	YE	VCO-8' (C9-4)

C2

Pin No.	Pin Name	Wire Color	Destination
1	4'	GR	VCO-4' (C7-5)
2	4'	GR	VCO-4' (C9-5)
3	2'	BE	VCO-2' (C7-6)
4	2'	BE	VCO-2' (C9-6)
5	64'	BR	VCO-64' (C7-1)
6	64'	BR	VCO-64' (C9-1)
7	32'	RE	VCO-32' (C8-2)
8	32'	RE	VCO-32' (C10-2)

C3

Pin No.	Pin Name	Wire Color	Destination
1	16'	OR	VCO-16' (C8-3)
2	16'	OR	VCO-16' (C10-3)
3	8'	YE	VCO-8' (C8-4)
4	8'	YE	VCO-8' (C10-4)
5	4'	GR	VCO-4' (C8-5)
6	4'	GR	VCO-4' (C10-5)
7	2'	BE	VCO-2' (C8-6)
8	2'	BE	VCO-2' (C10-6)
9	64'	BR	VCO-64' (C8-1)
10	64'	BR	VCO-64' (C10-1)

C4

Pin No.	Pin Name	Wire Color	Destination
1	B	BE	FA-B (C4-2)
2	H	VI	FA-H (C4-7)
3	L	GY	FA-L (C4-1)
4	WV2	WH	DM-9 (C11-5)
5	WV1	RE	DM-2 (C1-3)
6	AF	WH	DM-33 (C4-2)
7	FF	YE	DM-21 (C3-4)
8	+5	GR	DM-45 (C12-4)
9	-10	BE	DM-10 (C12-2)

C5

Pin No.	Pin Name	Wire Color	Destination
1	AD	GG	DM-34 (C4-1)
2	FW	SB	PL-MF (C2-8)
3	FD	GG	DM-22 (C3-3)
4	V	OR	MOD-V (C12-8)
5	S/H	GR	MOD-S/H (C1-3)
6	Λ	RE	MOD-Λ (C12-6)
7	Λ	YE	MOD-Λ (C1-1)
8	Λ	BR	MOD-Λ (C12-4)

C6

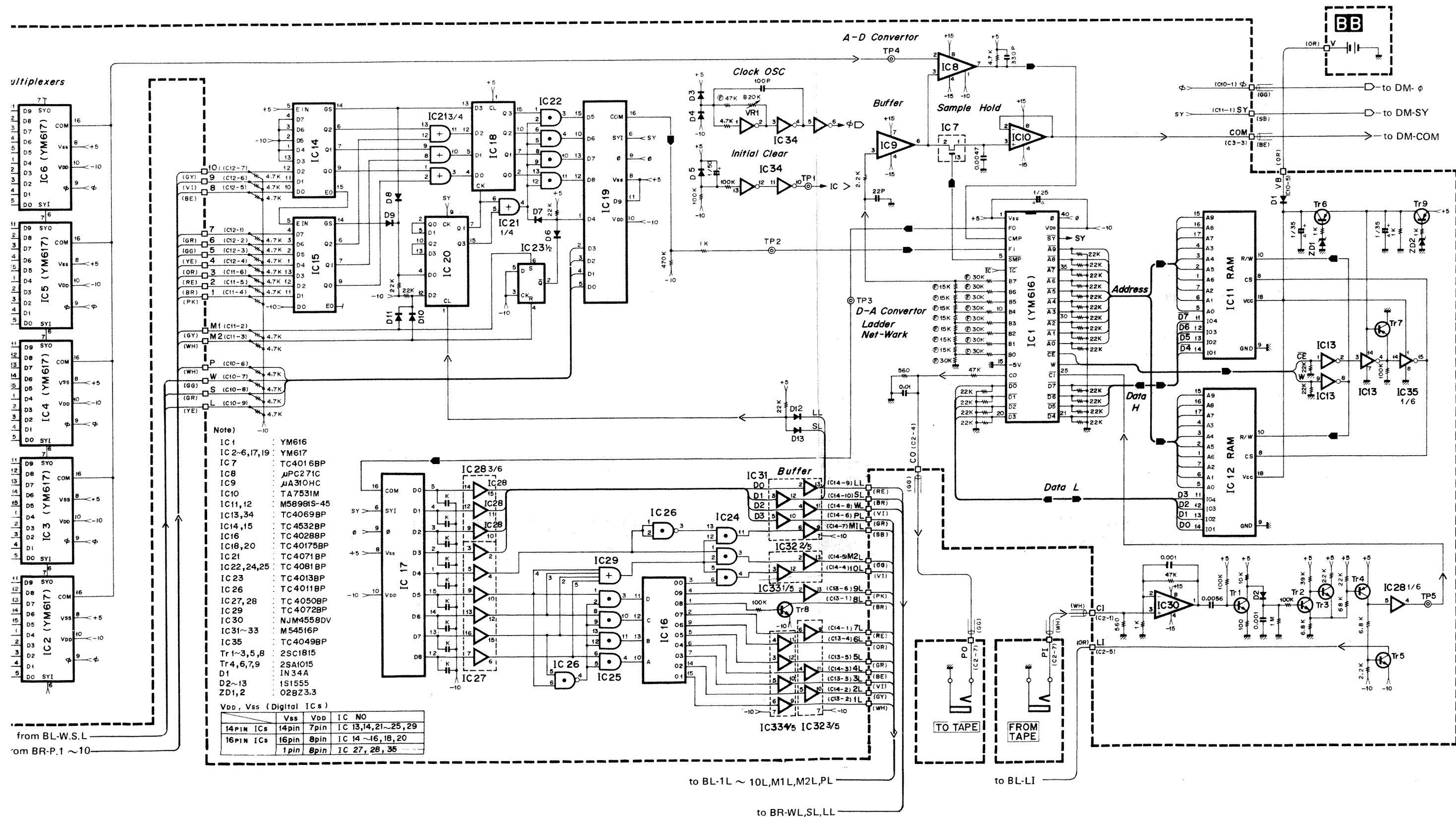
Pin No.	Pin Name	Wire Color	Des
1	-15	YE	DC-15
2	-15	YE	SK-15
3	E	BL	DC-AE
4	E	-	-
5	+15	BR	DC-15
6	+15	BR	SK-15

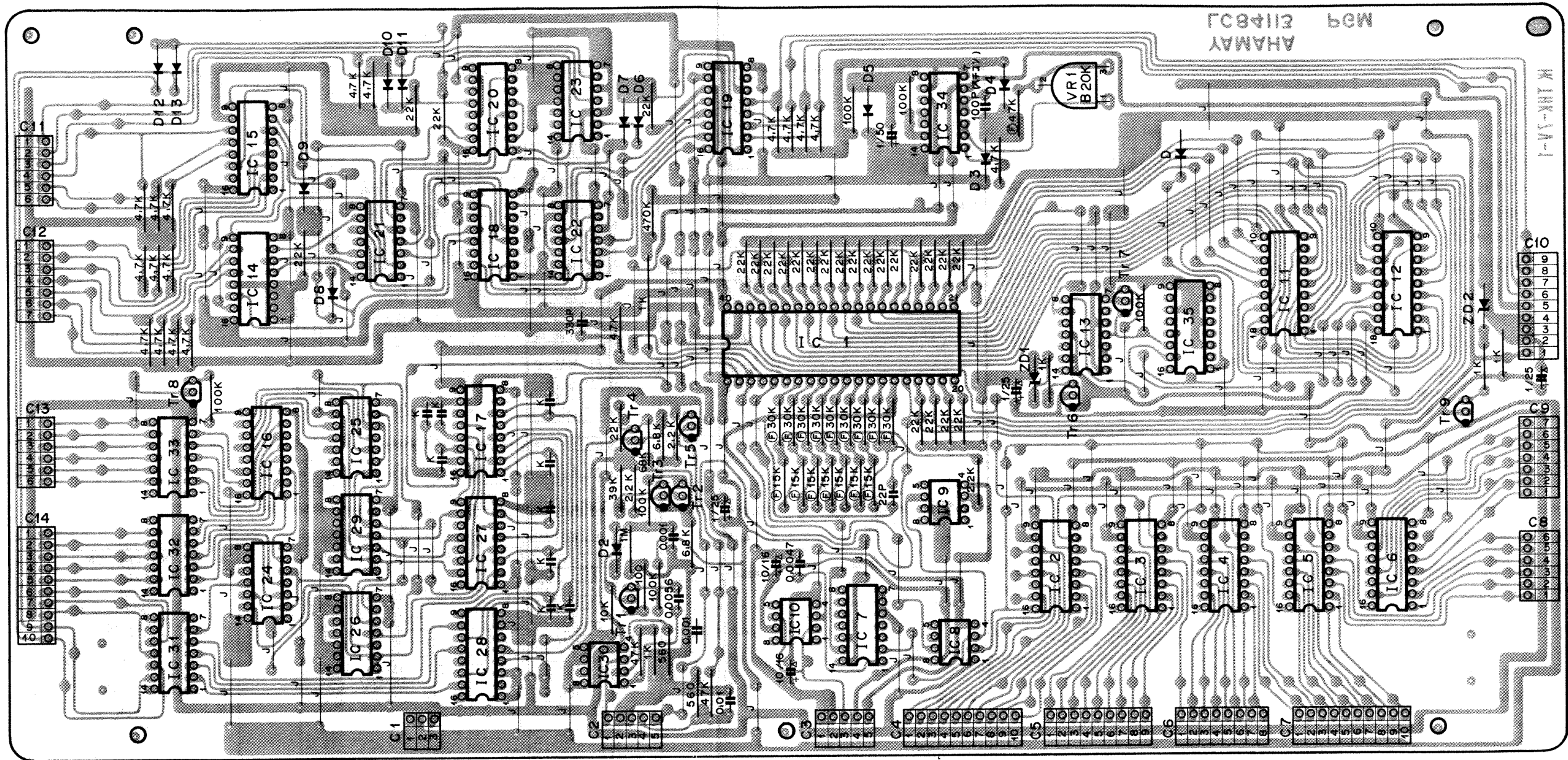
C7

Pin No.	Pin Name	Wire Color	Des
1	E1	YE	JK2-E1
2	F	OR	FA-CN
3	A	GR	FA-MC
4	Λ1	BR	MOD-Λ1
5	Λ2	YE	MOD-Λ2
6	Λ1	GR	MOD-Λ1
7	Λ1	RE	MOD-Λ1
8	Λ1	OR	MOD-Λ1
9	Λ2	BE	MOD-Λ2



# PGM Circuit Diagram





C11		
SY	1	
M1	2	
M2	3	
1	4	
2	5	
3	6	

C12		
7	1	
6	2	
5	3	
4	4	
8	5	
9	6	
10	7	

C13		
8L	1	
1L	2	
3L	3	
6L	4	
5L	5	
9L	6	

C14		
7L	1	
2L	2	
4L	3	
10L	4	
M2L	5	
PL	6	
ML	7	
WL	8	
LL	9	
SL	10	

C10		
9	L	
8	S	
7	W	
6	P	
5	VB	
4	DE	
3	DE	
2	DE	
1	Ø	

C9		
7	50	
6	49	
5	48	
4	47	
3	46	
2	41	
1	42	

C8		
6	43	
5	44	
4	45	
3	31	
2	32	
1	33	

C1		
+5	1	
+5	2	
-10	3	

C2		
E	1	
2	2	
E	3	
CO	4	
LI	5	

C3		
AE	1	
AE	2	
COM	3	
+15	4	
-15	5	

C4		
6	1	
7	2	
8	3	
9	4	
10	5	
5	6	
4	7	
3	8	
2	9	
1	10	

C5		
16	1	
17	2	
18	3	
28	4	
20	5	
15	6	
14	7	
13	8	
12	9	
11	10	

C6		
11	1	
26	2	
27	3	
19	4	
29	5	
30	6	
25	7	
24	8	

C7		
23	1	
22	2	
21	3	
36	4	
37	5	
38	6	
39	7	
40	8	
35	9	
34	10	

Pin No.	Pin Name	Wire Color	Destination
1	+5	GR	DC+5 (C1-7)
2	+5	GR	BL+5 (C7)
3	-10	BE	DC-10 (C1-10)

Pin No.	Pin Name	Wire Color	Destination
1	CI	S-WH	JK2-P1 (C2-7)
2	E	S-WH-S	
3	E	S-GG-S	
4	CO	S-GG	JK1-PO (C2-7)
5	LI	OR	BL-LI (C-3)

Pin No.	Pin Name	Wire Color	Destination
1	AE	BL	DM-E (C6-4)
2	AE	S-BE-S	
3	COM	S-BE	DM-COM (C12-6)
4	+15	BR	DM+15 (C6-2)
5	-15	YE	DM-15 (C6-6)

Pin No.	Pin Name	Wire Color	Destination
1	6	BE	PA-PF1 (C8-1)
2	7	VI	PA-PD1 (C8-2)
3	8	GY	PA-FT2 (C4-4)
4	9	WH	PA-WV2 (C4-5)
5	10	GG	PA-MF2 (C4-1)
6	5	GR	PA-P1 (C1-5)
7	4	YE	PA-MD1 (C1-4)
8	3	OR	PA-MF1 (C1-2)
9	2	RE	PA-WV1 (C1-7)
10	1	BR	PA-FT1 (C1-6)

Pin No.	Pin Name	Wire Color	Destination
1	16	YE	PB-V2 (C2-2)
2	17	GR	PB-N (C8-1)
3	18	BE	PB-CO (C2-4)
4	28	YE	PB-FD (C8-3)
5	20	GY	PB-FM (C3-6)
6	15	OR	PB-V1 (C2-1)
7	14	RE	PA-PD2 (C7-8)
8	13	BR	PA-PF2 (C7-9)
9	12	PK	PA-P2 (C4-2)

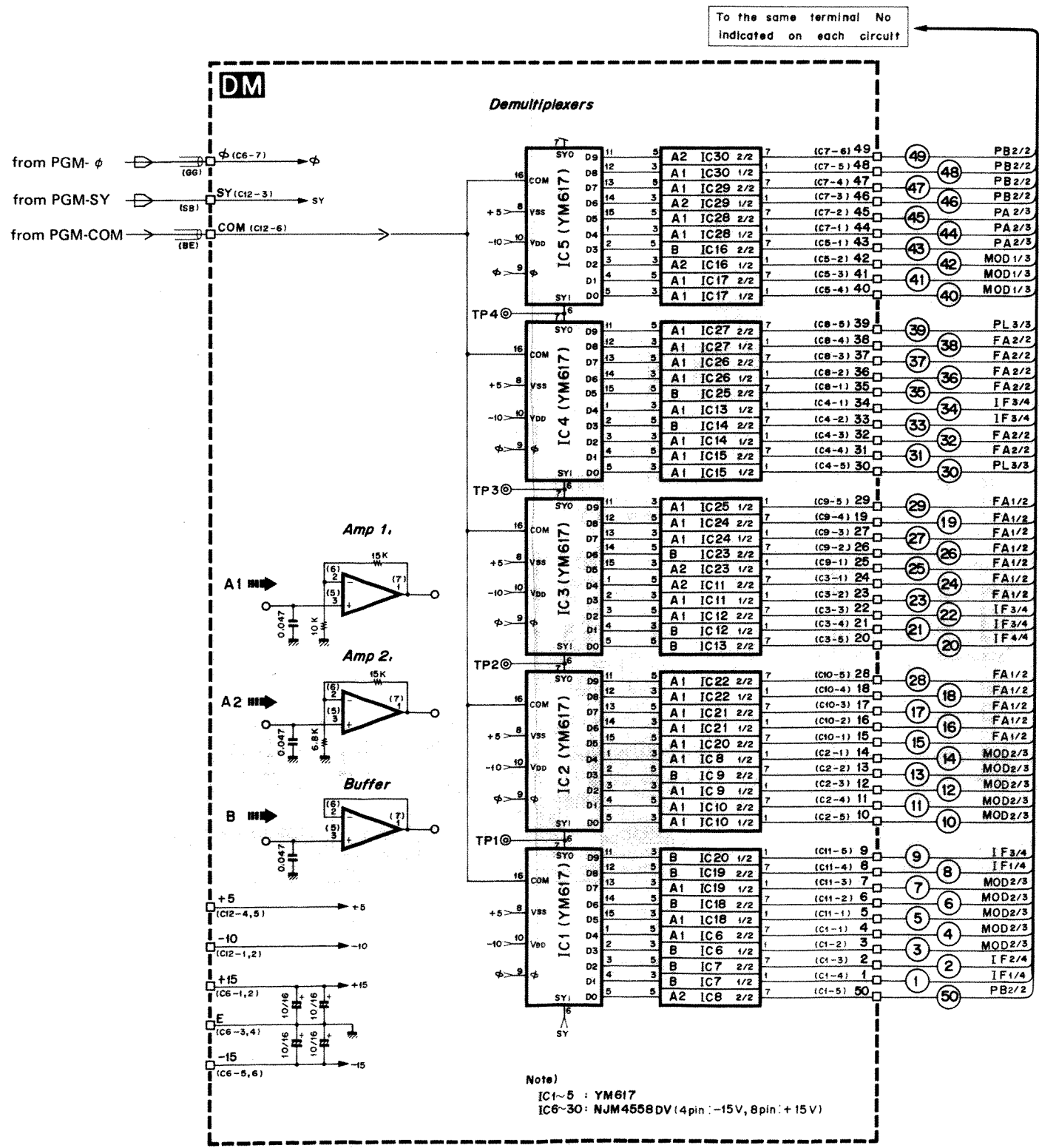
Pin No.	Pin Name	Wire Color	Destination
1	11	SB	PA-MD2 (C4-3)
2	26	RE	PB-X5F (C8-6)
3	27	OR	PB-FA (C8-2)
4	19	VI	PB-RE (C2-6)
5	29	GR	PB-FS (C8-4)
6	30	BE	PB-FR (C8-5)
7	25	BR	PB-PL (C8-7)
8	24	PK	PB-KCV (C3-7)

Pin No.	Pin Name	Wire Color	Destination
1	23	SB	PB-ED (C2-7)
2	22	GG	PB-FMD (C2-5)
3	21	WH	PB-FMF (C2-3)
4	36	PK	PB-AA (C7-1)
5	37	BR	PB-AD (C7-2)
6	38	RE	PB-AS (C7-3)
7	39	OR	PB-AR (C7-4)
8	40	YE	PA-LS (C6-9)
9	35	SB	PB-X5A (C7-5)
10	34	GG	PB-AMD (C4-5)

Pin No.	Pin Name	Wire Color	Destination
1	33	WH	PB-AMF (C4-1)
2	32	GY	PB-~ 2 (C4-6)
3	31	VI	PB-~ 1 (C4-2)
4	45	WH	PA-VD (C7-1)
5	44	GY	PA-VA (C6-10)
6	43	VI	PA-X50 (C6-5)

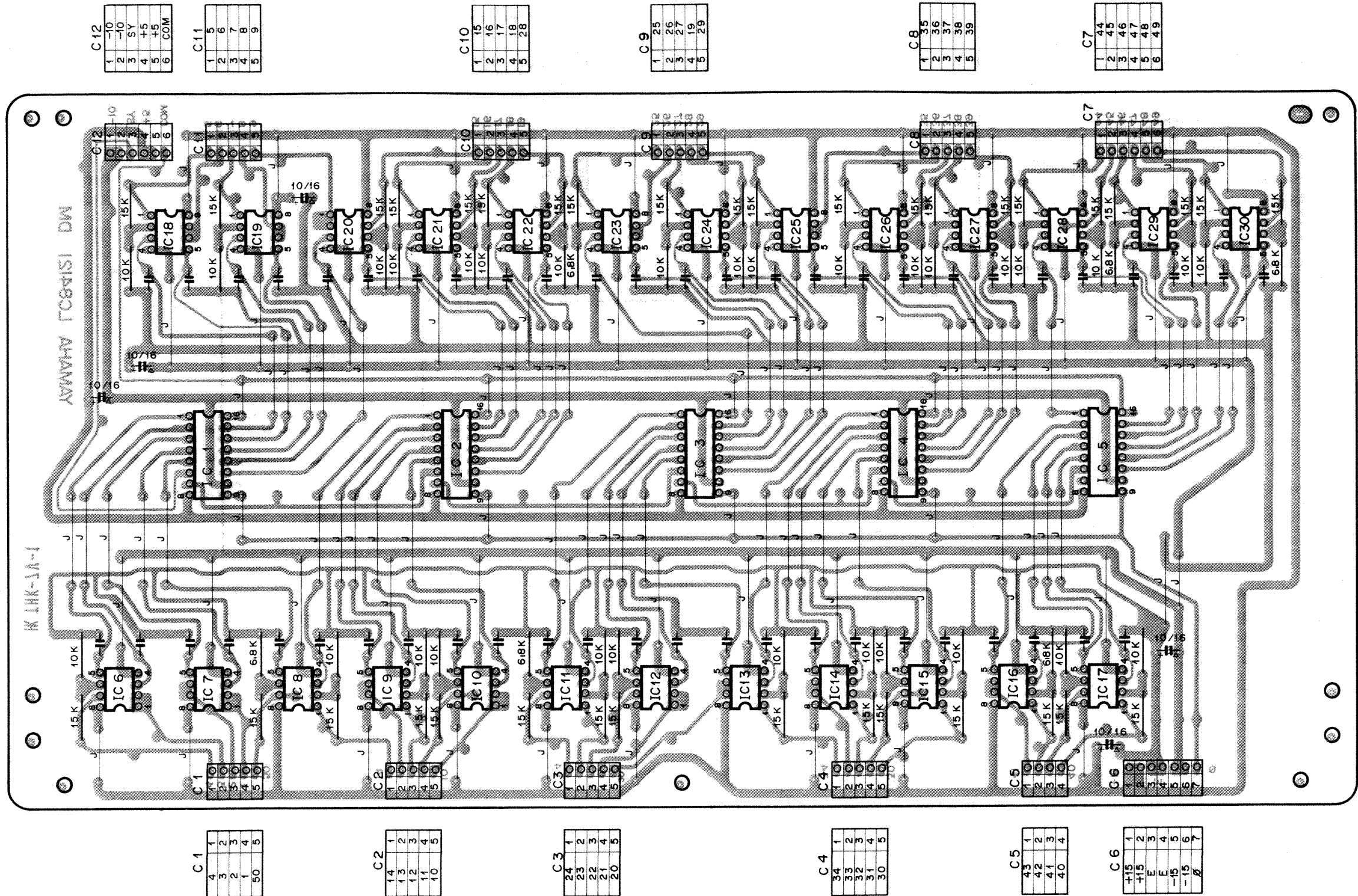
Pin No.	Pin Name	Wire Color	Destination
1	42	BE	PA-PLL (C6-7)
2	41	GR	PA-ED (C6-8)
3	46	GG	PA-RC (C7-2)
4	47	SB	PA-S (C7-3)
5	48	PK	PA-SD (C7-6)
6	49	BR	PA-PLR (C7-7)
7	50	RE	PB-BY (C4-8)

DM Circuit Diagram



NO	BLOCK	FUNCTION	NO	BLOCK	FUNCTION
1	VCO 1	FEET	26	EG-VCF	TIME NOR/X5
2	-do-	WAVE	27	-do-	ATTACK TIME
3	-do-	MOD. FUNCTION	28	VCF	RESONANCE
4	-do-	MOD. DEPTH	29	EG-VCF	SUSTAIN LEVEL
5	-do-	PULSE WIDTH	30	-do-	RELEASE TIME
6	-do-	P.W.M FUNCTION	31	VCA	~ 1
7	-do-	P.W.M DEPTH	32	-do-	~ 2
8	VCO 2	FEET	33	-do-	MOD. FUNCTION
9	-do-	WAVE	34	-do-	MOD. DEPTH
10	-do-	MOD. FUNCTION	35	EG-VCA	TIME NOR X5
11	-do-	MOD. DEPTH	36	-do-	ATTACK TIME
12	-do-	PULSE WIDTH	37	-do-	DECAY TIME
13	-do-	P.W.M FUNCTION	38	-do-	SUSTAIN LEVEL
14	-do-	P.W.M DEPTH	39	-do-	RELEASE TIME
15	MIXER	VCO 1	40	LFO	SPEED
16	-do-	VCO 2	41	-do-	SPEED DEPTH
17	-do-	NOISE	42	-do-	EG POLE
18	VCF	CUT OFF FREQ.	43	EG-VCO	TIME NOR X5
19	EG-VCF	DECAY TIME	44	-do-	ATTACK TIME
20	VCF	HP/BP/LP	45	-do-	DECAY TIME
21	-do-	MOD. FUNCTION	46	RMO	ON-OFF
22	-do-	MOD. DEPTH	47	-do-	SPEED
23	-do-	EG DEPTH	48	-do-	SPEED DEPTH
24	-do-	KCV ON-OFF	49	-do-	EG POLE
25	EG-VCF	EG POLE	50	OUTPUT	POA ON-OFF





Pin No.	Pin Name	Wire Color	Destination
1	4	YE	MOD-MD1 (C9-3)
2	3	OR	MOD-MF1 (C6-1)
3	2	RE	IF-WV1 (C4-5)
4	1	BR	IF-FT1 (C1-3)
5	50	RE	PB-D (C5-2)

Pin No.	Pin Name	Wire Color	Destination
1	14	RE	MOD-PD2 (C5-3)
2	13	BR	MOD-PF2 (C6-4)
3	12	PK	MOD-P2 (C5-1)
4	11	SB	MOD-MD2 (C9-1)
5	10	GG	MOD-MF2 (C6-2)

Pin No.	Pin Name	Wire Color	Destination
1	24	PK	FA-KC (C4-10)
2	23	SB	FA-ED (C3-5)
3	22	GG	IF-FD (C5-3)
4	21	YE	IF-FF (C4-7)
5	20	GY	IF-FM (C1-1)

Pin No.	Pin Name	Wire Color	Destination
1	34	GG	IF-AD (C5-1)
2	33	WH	IF-AF (C4-6)
3	32	GY	FA-AC2 (C9-2)
4	31	VI	FA-AC1 (C8-7)
5	30	BE	PL-FRI (C2-3)

Pin No.	Pin Name	Wire Color	Destination
1	43	RE	PA-X51 (C6-4)
2	42	BE	MOD-PL (C11-3)
3	41	GR	MOD-SD (C11-5)
4	40	YE	MOD-S (C12-2)

Pin No.	Pin Name	Wire Color	Destination
1	44	GY	PA-A (C8-4)
2	45	WH	PA-D (C8-3)
3	46	GG	PB-RC (C3-5)
4	47	SB	PB-S (C1-9)
5	48	PK	PB-SD (C1-8)
6	49	BR	PB-PLR (C1-6)

Pin No.	Pin Name	Wire Color	Destination
1	25	BR	FA-PL (C3)
2	26	RE	FA-X5F (C)
3	27	OR	FA-AA (C)
4	28	BR	FA-AD (C)
5	29	RE	FA-AS (C)

Pin No.	Pin Name	Wire Color	Destination
1	15	OR	FA-FC1 (C)
2	16	YE	FA-FC2 (C)
3	17	GR	FA-FC3 (C)
4	18	BE	FA-CO (C)
5	19	YE	FA-FD (C)

Pin No.	Pin Name	Wire Color	Destination
1	5	GR	MOD-P1 (C)
2	6	BE	MOD-PF1 (C)
3	7	VI	MOD-PD1 (C)
4	8	GG	IF-FT2 (C)
5	9	WH	IF-WV2 (C)

Pin No.	Pin Name	Wire Color	Destination
1	10	BE	DC-10 (C)
2	11	BE	IF-10 (C)
3	12	SB	PGM-SY (C)
4	13	GR	IF-15 (C4)
5	14	GR	DC-15 (C4)
6	15	BE	PGM-COM

Pin No.	Pin Name	Wire Color	Destination
1	15	OR	FA-FC1 (C)
2	16	YE	FA-FC2 (C)
3	17	GR	FA-FC3 (C)
4	18	BE	FA-CO (C)
5	19	YE	FA-FD (C)

Pin No.	Pin Name	Wire Color	Destination
1	25	BR	FA-PL (C3)
2	26	RE	FA-X5F (C)
3	27	OR	FA-AA (C)
4	28	BR	FA-AD (C)
5	29	RE	FA-AS (C)

Pin No.	Pin Name	Wire Color	Destination
1	35	SB	FA-X5A (C)
2	36	PK	FA-AA (C)
3	37	BR	FA-AD (C)
4	38	RE	FA-AS (C)
5	39	YE	PL-ARI (C)

Pin No.	Pin Name	Wire Color	Destination
1	4	YE	MOD-MD1 (C9-3)
2	3	OR	MOD-MF1 (C6-1)
3	2	RE	IF-WV1 (C4-5)
4	1	BR	IF-FT1 (C1-3)
5	50	RE	PB-D (C5-2)

Pin No.	Pin Name	Wire Color	Destination
1	14	RE	MOD-PD2 (C5-3)
2	13	BR	MOD-PF2 (C6-4)
3	12	PK	MOD-P2 (C5-1)
4	11	SB	MOD-MD2 (C9-1)
5	10	GG	MOD-MF2 (C6-2)

Pin No.	Pin Name	Wire Color	Destination
1	24	PK	FA-KC (C4-10)
2	23	SB	FA-ED (C3-5)
3	22	GG	IF-FD (C5-3)
4	21	YE	IF-FF (C4-7)
5	20	GY	IF-FM (C1-1)

Pin No.	Pin Name	Wire Color	Destination
1	34	GG	IF-AD (C5-1)
2	33	WH	IF-AF (C4-6)
3	32	GY	FA-AC2 (C9-2)
4	31	VI	FA-AC1 (C8-7)
5	30	BE	PL-FRI (C2-3)

Pin No.	Pin Name	Wire Color	Destination
1	43	RE	PA-X51 (C6-4)
2	42	BE	MOD-PL (C11-3)
3	41	GR	MOD-SD (C11-5)
4	40	YE	MOD-S (C12-2)

Pin No.	Pin Name	Wire Color	Destination
1	44	GY	PA-A (C8-4)
2	45	WH	PA-D (C8-3)
3	46	GG	PB-RC (C3-5)
4	47	SB	PB-S (C1-9)
5	48	PK	PB-SD (C1-8)
6	49	BR	PB-PLR (C1-6)

Pin No.	Pin Name	Wire Color	Destination
1	10	BE	DC-10 (C)
2	11	BE	IF-10 (C)
3	12	SB	PGM-SY (C)
4	13	GR	IF-15 (C4)
5	14	GR	DC-15 (C4)
6	15	BE	PGM-COM

Pin No.	Pin Name	Wire Color	Destination
1	15	OR	FA-FC1 (C)
2	16	YE	FA-FC2 (C)
3	17	GR	FA-FC3 (C)
4	18	BE	FA-CO (C)
5	19	YE	FA-FD (C)

Pin No.	Pin Name	Wire Color	Destination
1	25	BR	FA-PL (C3)
2	26	RE	FA-X5F (C)
3	27	OR	FA-AA (C)
4	28	BR	FA-AD (C)
5	29	RE	FA-AS (C)

Pin No.	Pin Name	Wire Color	Destination
1	35	SB	FA-X5A (C)
2	36	PK	FA-AA (C)
3	37	BR	FA-AD (C)
4	38	RE	FA-AS (C)
5	39	YE	PL-ARI (C)

Pin No.	Pin Name	Wire Color	Destination
1	4	YE	MOD-MD1 (C9-3)
2	3	OR	MOD-MF1 (C6-1)
3	2	RE	IF-WV1 (C4-5)
4	1	BR	IF-FT1 (C1-3)
5	50	RE	PB-D (C5-2)

Pin No.	Pin Name	Wire Color	Destination
1	14	RE	MOD-PD2 (C5-3)
2	13	BR	MOD-PF2 (C6-4)
3	12	PK	MOD-P2 (C5-1)
4	11	SB	MOD-MD2 (C9-1)
5	10	GG	MOD-MF2 (C6-2)

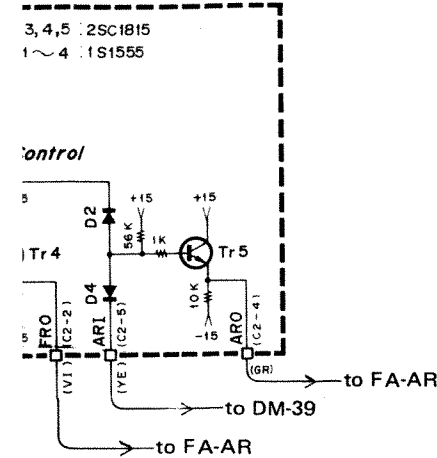
Pin No.	Pin Name	Wire Color	Destination
1	24	PK	FA-KC (C4-10)
2	23	SB	FA-ED (C3-5)
3	22	GG	IF-FD (C5-3)
4	21	YE	IF-FF (C4-7)
5	20	GY	IF-FM (C1-1)

Pin No.	Pin Name	Wire Color	Destination
1	34	GG	IF-AD (C5-1)
2	33	WH	IF-AF (C4-6)
3	32	GY	FA-AC2 (C9-2)
4	31	VI	FA-AC1 (C8-7)
5	30	BE	PL-FRI (C2-3)

Pin No.	Pin Name	Wire Color	Destination
1	43	RE	PA-X51 (C6-4)
2	42	BE	MOD-PL (C11-3)
3	41	GR	MOD-SD (C11-5)
4	40	YE	MOD-S (C12-2)

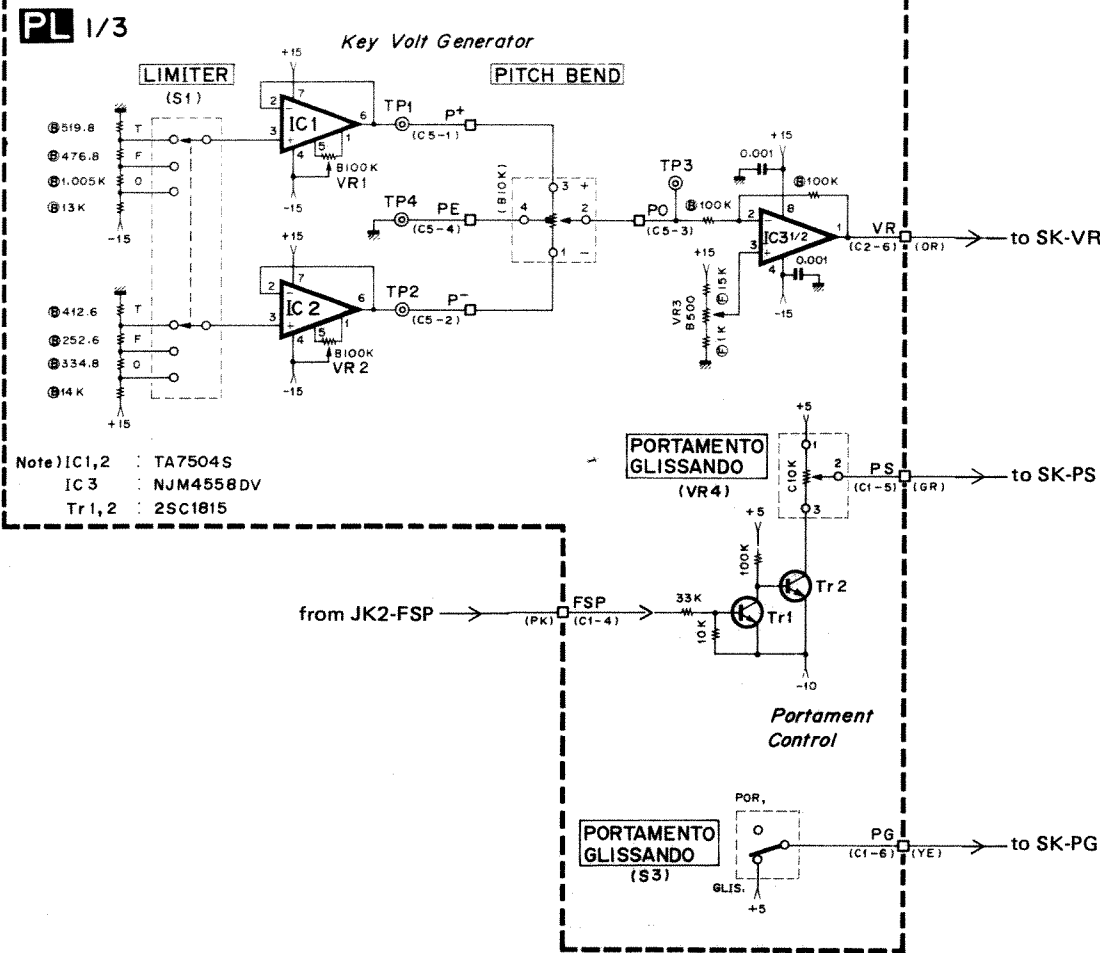
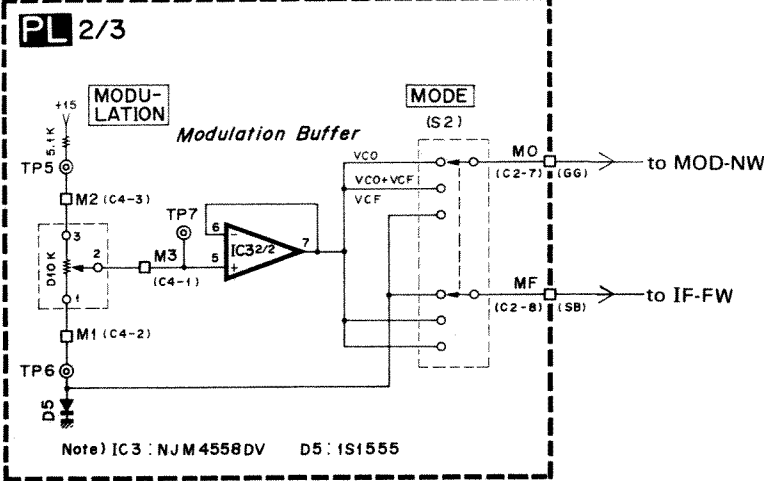
Pin No.	Pin Name	Wire Color	Destination
1	44	GY	PA-A (C8-4)
2	45	WH	PA-D (C8-3)
3	46	GG	PB-RC (C3-5)
4	47	SB	PB-S (C1-9)
5	48	PK	PB-SD (C1-8)
6	49	BR	PB-PLR (C1-6)

PL Circuit Diagram



to FA-BR

to SK-S



[illegible]

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	PA+15 (C3-2)
2	+15	BR	PL+15 (C3-2)
3	AE	BL	PA-E (C7-5)
4	AE	BL	PL-E (C4-4)
5	-15	YE	PA- -15 (C3-1)
6	-15	YE	PL- -15 (C3-1)
7	+5	GR	PGM+5 (C1-1)
8	DE	BL	PA-DE (C1-1)
9	DE	BL	SK-E (C3-5)
10	-10	BE	PGM- -10 (C1-3)

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	PB-+15 (C3-4)
2	+15	BR	MOD-+15 (C2-4)
3	AE	BL	PB-E (C3-2)
4	AE	BL	MOD-E (C2-2)
5	-15	YE	PB- -15 (C3-1)
6	-15	YE	MOD- -15 (C2-1)
7	+5	GR	PB-+5 (C1-2)
8	DE	BL	PGM-DE (C10-3)
9	DE	-	-
10	-10	BE	PB- -10 (C1-4)

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	FA+15 (C8-3)
2	+15	BR	VCO+15 (C1-8)
3	AE	BL	FA-E (C8-1)
4	AE	BL	VCO-E (C1-6)
5	-15	YE	FA-15 (C7-4)
6	-15	YE	VCO-15 (C1-3)
7	+5	GR	MOD+5 (C10-8)
8	DE	—	—
9	DE	—	—
10	-10	BE	MOD-10 (C10-1)

Pin No.	Pin Name	Wire Color	Destination
1	+15	BR	IF+15 (C6-5)
2	+15	BR	DM+15 (C6-1)
3	AE	BL	IF-E (C6-3)
4	AE	BL	DM-E (C6-3)
5	-15	YE	IF- -15 (C6-1)
6	-15	YE	DM- -15 (C6-5)
7	+5	GR	DM+5 (C12-5)
8	DE	-	-
9	DE	-	-
10	-10	BE	DM- -10 (C12-1)

1. Circuit Board : LC84040 1

2. IC  
IC1, 2 : NJM4558DV

3. Transistor  
Tr1, 9 : 2SD235  
Tr2 : 2SC2120  
Tr3 ~ 5, 10 : 2SC1815  
Tr6, 11 : 2SA1015  
Tr7 : 2SA950  
Tr8, 12 : 2SA490

4. Diode  
D1, 3, 5, 7 : 1D2C1  
D2, 4, 6, 8 : 1D2Z1  
D9, 10 : 1S1555  
ØD1, 2 : RD15EB3  
ZD3 : RD5, 6EB3  
ZD4, 5 : RD3, 6EB1

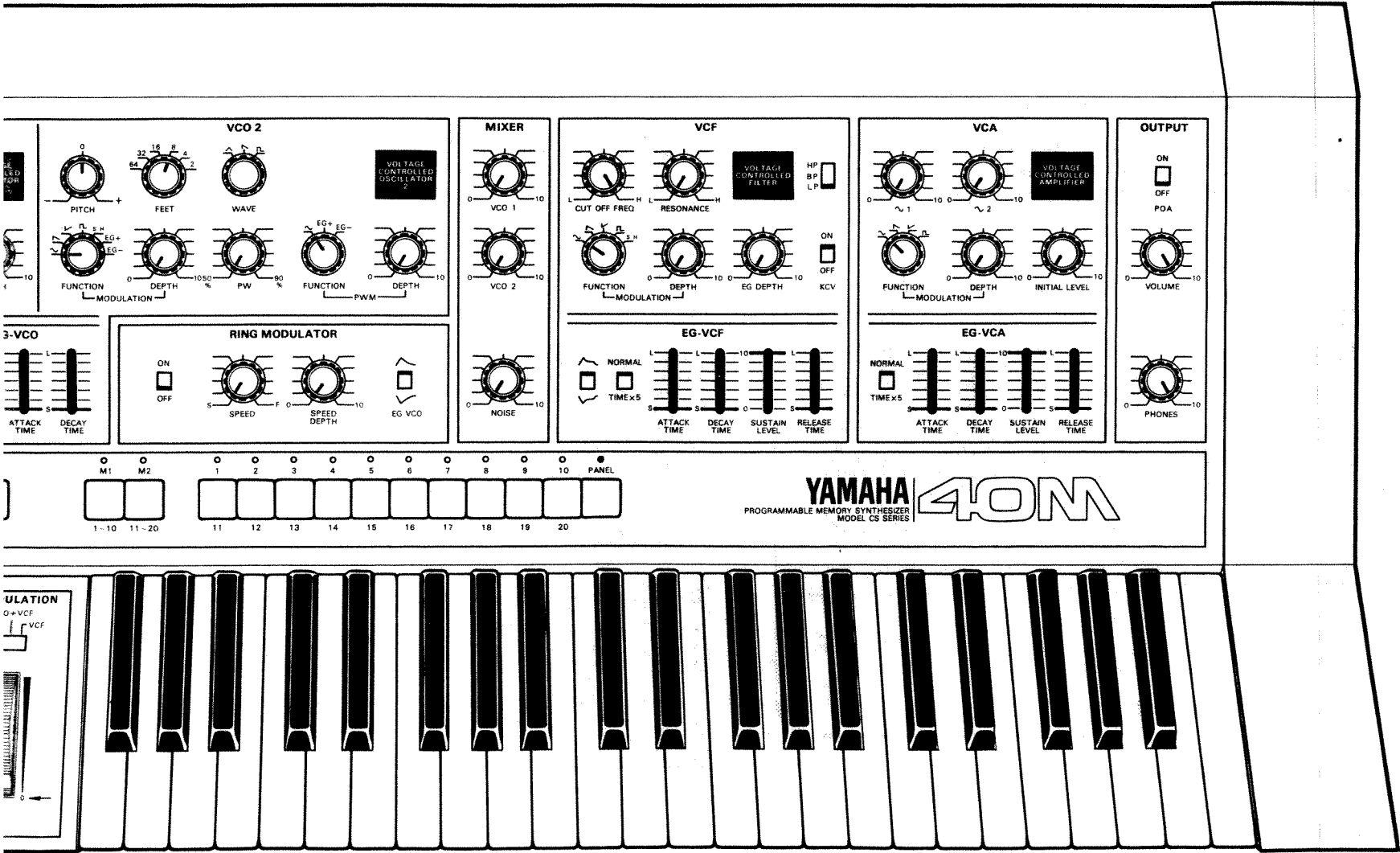
5. Capacitor  
△ marked : Tantalum Capacitor



be

as

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tes



PANEL SETTING

BLOCK	FUNCTION	POSITION
VCO1 & VCO2	PITCH	Near center "0" Position
	FEET	8'
	WAVE	^
	MOD. FUNCTION	~
	MOD. DEPTH	0
	PW	50%
	PWM FUNCTION	~
MIXER	PWM DEPTH	0
	VCO1	0
	VCO2	0
	NOISE	0

BLOCK	FUNCTION	POSITION
OUTPUT	POA	OFF
	VOLUME	10
	PHONES	10
LFO	SPEED	S
	SPEED DEPTH	0
	EG-VCO	^
	TRIGGER	OFF
EG-VCO	TIME EXPAND	NORMAL
	ATTACK TIME	S
	DECAY TIME	S

BLOCK	FUNCTION	POSITION
VCF	CUT OFF FREQ.	H
	RESONANCE	L
	VCF MODE	LP
	MOD. FUNCTION	~
	MOD. DEPTH	0
	EG DEPTH	0
	KCV	ON
VCA	~1	0
	~2	0
	MOD. FUNCTION	~
	MOD. DEPTH	0
	INITIAL LEVEL	0

BLOCK	FUNCTION	POSITION
RING MODU- LATOR	RMO ON/OFF	OFF
	SPEED	S
	SPEED DEPTH	0
	EG-VCO	^
EFFECT	UNISON	OFF
	PORTAMENT	S
	PORTA/GLISS	PORTA
	BRILLIANCE	Center "0" Position
	SUSTAIN	S
	SUSTAIN MODE I/II	II
	PITCH WHEEL	Center detent Position
	LIMITER	OCTAVE
	MODULATION WHEEL	0
	MODULATION MODE	VCO
PRO- GRAMMER		PANEL

BLOCK	FUNCTION	POSITION
EG-VCF	TIME EXPAND	NORMAL
	ATTACK TIME	S
	DECAY TIME	S
	SUSTAIN LEVEL	10
	RELEASE TIME	S
EG-VCA	TIME EXPAND	NORMAL
	ATTACK TIME	S
	DECAY TIME	S
	SUSTAIN LEVEL	10
	RELEASE TIME	S