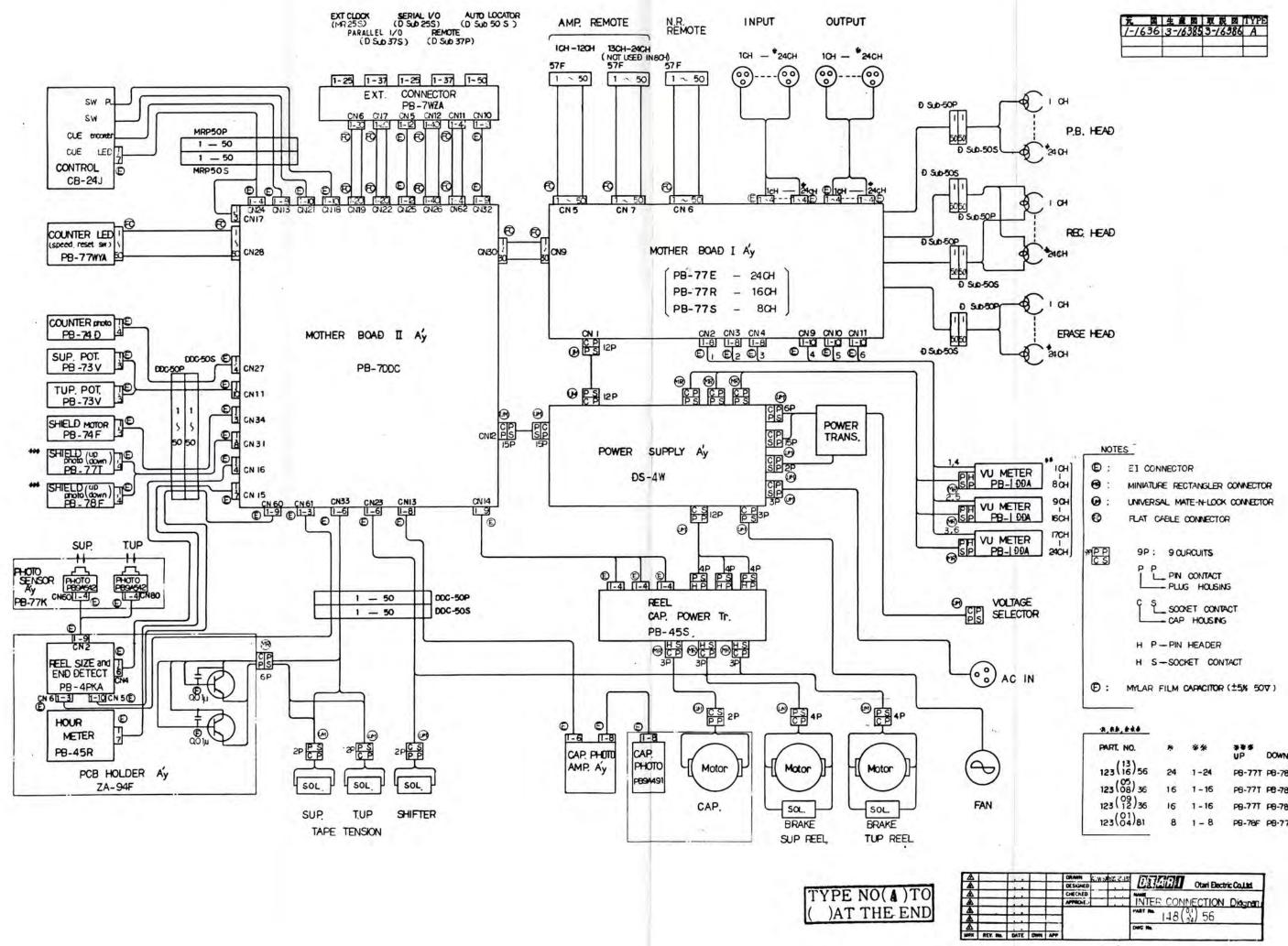
## MTR-90III Master Tape Recorder Schematic Diagrams

Type A~

	ijpo n-	
OTARI PART NO.	DESCRIPTION	DRAWING NO.
148(01-04)56	INTERCONNECTION DIAGRAM	3-16386
T00740A	TAPE TRANSPORT ASSEMBLY	3-16388
PB-4PKA	REEL SIZE DETECT PCB ASSEMBLY	3-15363
PB-45R	HOUR METER PCB ASSEMBLY	4-30767
PB-7WYA	TAPE COUNTER DISPLAY PCB ASSEMBLY	4-47144
PB-46A	TACHO SENSOR AMP. PCB ASSEMBLY	4-31239
PB-77I	TACHO SENSOR PCB ASSEMBLY	4-13239
PB-45S	REEL MDA ASSEMBLY	4-30796
PB-16KA	REC. AND REPRO AMP. PCB ASSEMBLY	3-8445
PB-77E	MOTHER BOARD I ASSEMBLY	3-7068
	INPUT AND OUTPUT WIRE ASSEMBLY	4-30773
PB-77F	VU METER AMP. PCB ASSEMBLY	3-6946
PB-4HQB	REEL CONTROL PCB ASSEMBLY	3-15538
PB-45VA	CAPSTAN CONTROL PCB ASSEMBLY	3-7973
PB-47AB	TRANSPORT CONTROL PCB ASSEMBLY	3-16384
PB-4APA	MASTER CPU PCB ASSEMBLY	3-10435
PB-45YA	I/O PCB ASSEMBLY	3-7974
PB-45Z	TAPE COUNTER PCB ASSEMBLY	3-7070
PB-15L	BIAS CONTROL PCB ASSEMBLY	3-8036
PB-7DDC	MOTHER BOARD II ASSEMBLY	3-16358
PB-7WZA	EXT. CONNECTOR PCB ASSEMBLY	3-16435
DS-4W	POWER SUPPLY ASSEMBLY	3-16390
PB62G	REGULATOR PCB ASSEMBLY	3-7307
PB-62E	POWER SUPPLY PCB ASSEMBLY A	4-30764
PB-62F	POWER SUPPLY PCB ASSEMBLY B	4-30776
CB-112, CB-113	INTERCONNECTION DIAGRAM	3-7059
CB-245	CONNECTION DIAGRAM	3-6941
PB-770	CONNECTION PCB ASSEMBLY	4-30348
PB-46B	AMP. SWITCH PCB ASSEMBLY	4-30349
PB-46C	CONTROL PCB ASSEMBLY	3-6866
PB-46F (-45MB)	SPEED CALCULATOR PCB ASSEMBLY	3-7325
PB-77N	7 SEG. LED PCB ASSEMBLY	4-30123
		Rev 1

Rev. 1



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		U.	Donia	
24	1-24	P8-77T	P8-78F	
16	1 - 16	P8-77T	P8-78F	
16	1 - 16	P8-77T	P8-78F	
8	1 - 8	P8-78F	P8-77T	
	16 16	16 1-16 16 1-16	16 1 - 16 PB-77T	24 1-24 P8-77T P8-78F 16 1-16 P8-77T P8-78F 16 1-16 P8-77T P8-78F

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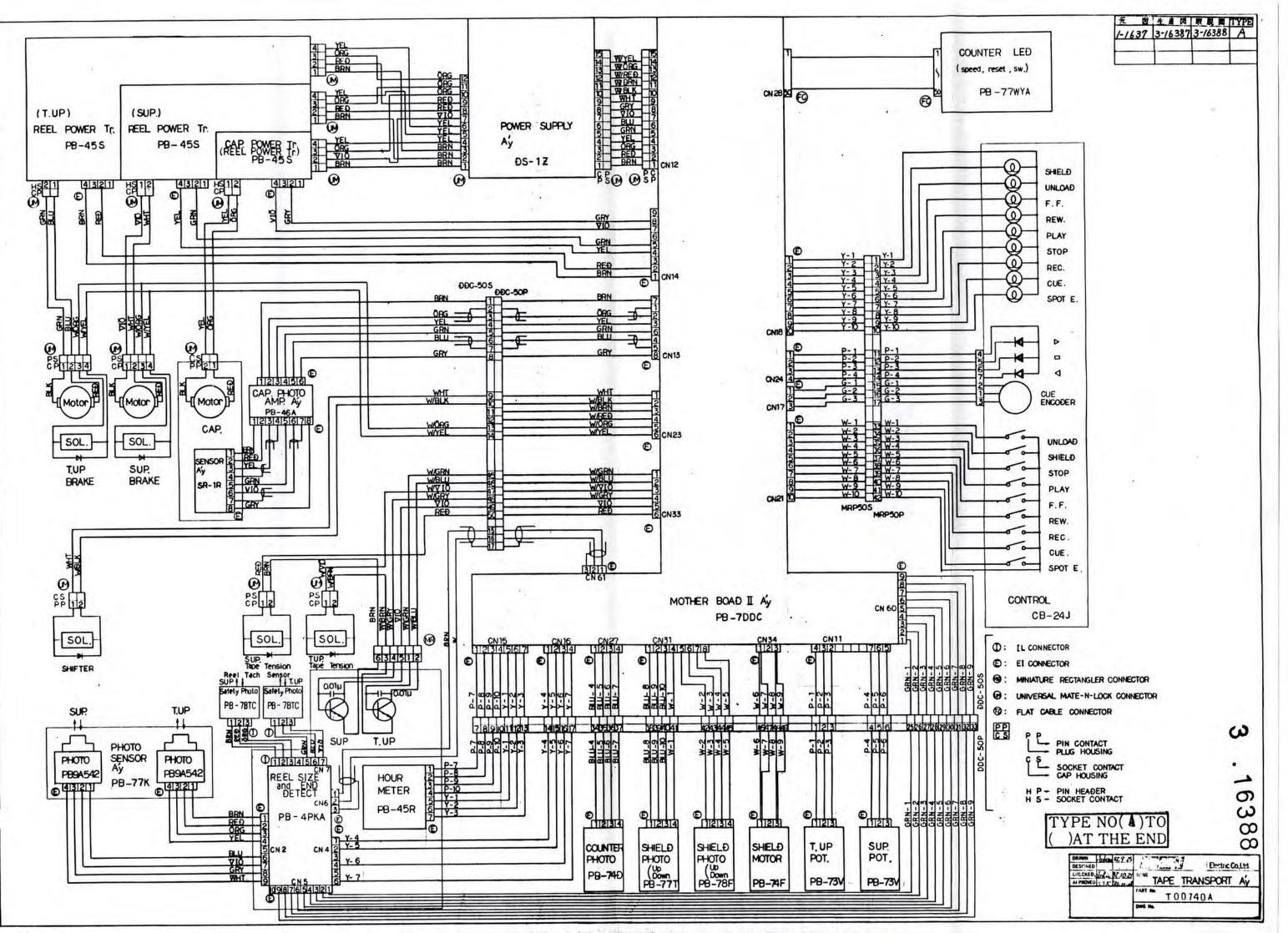
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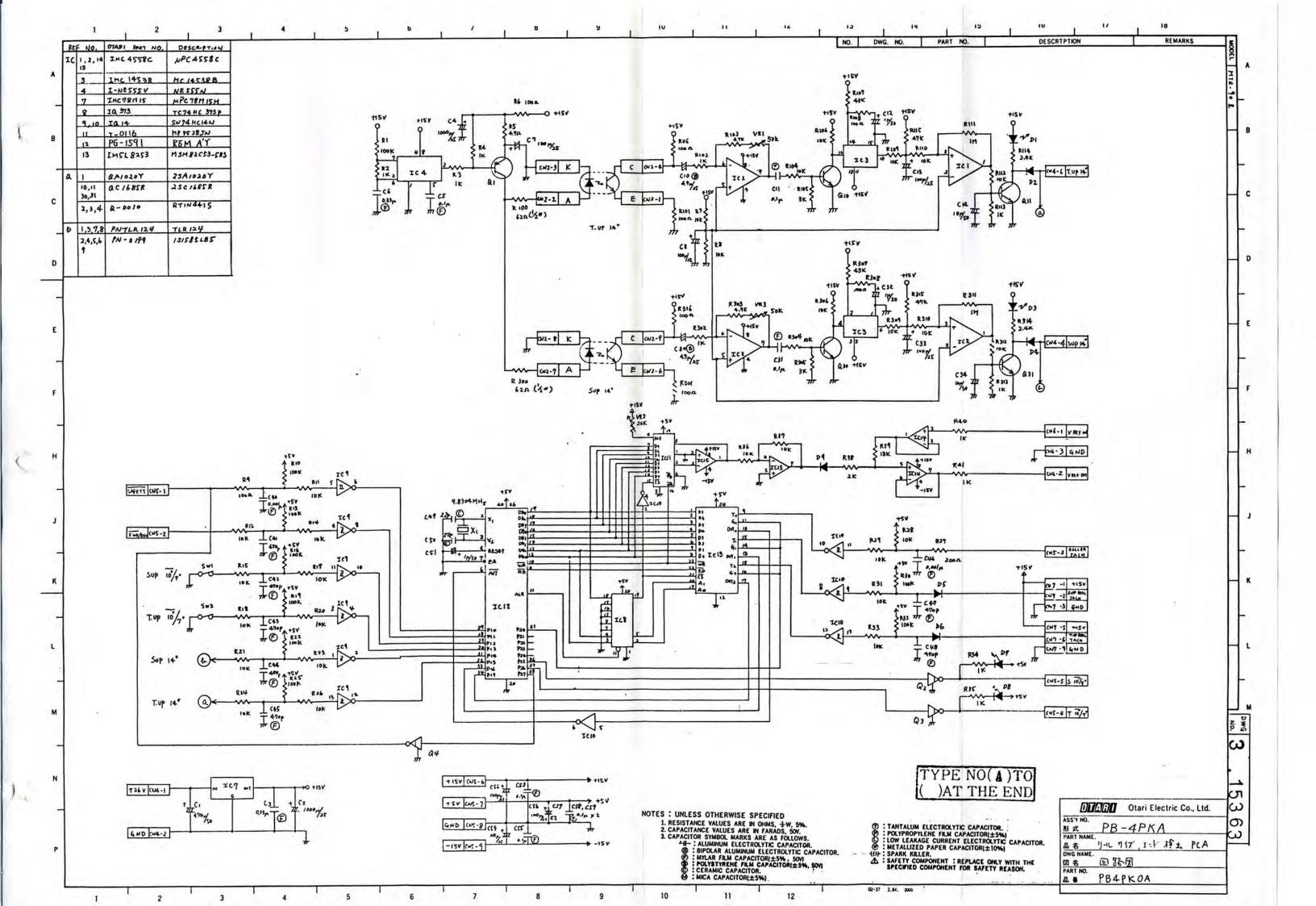
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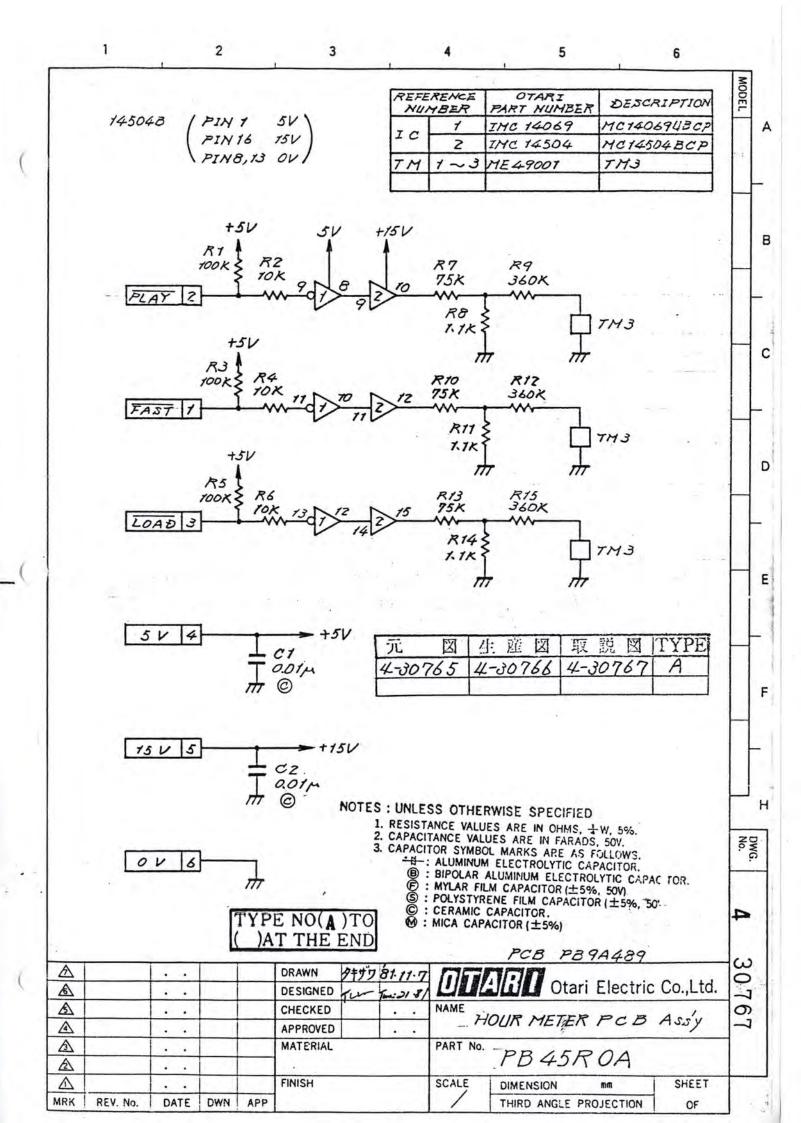
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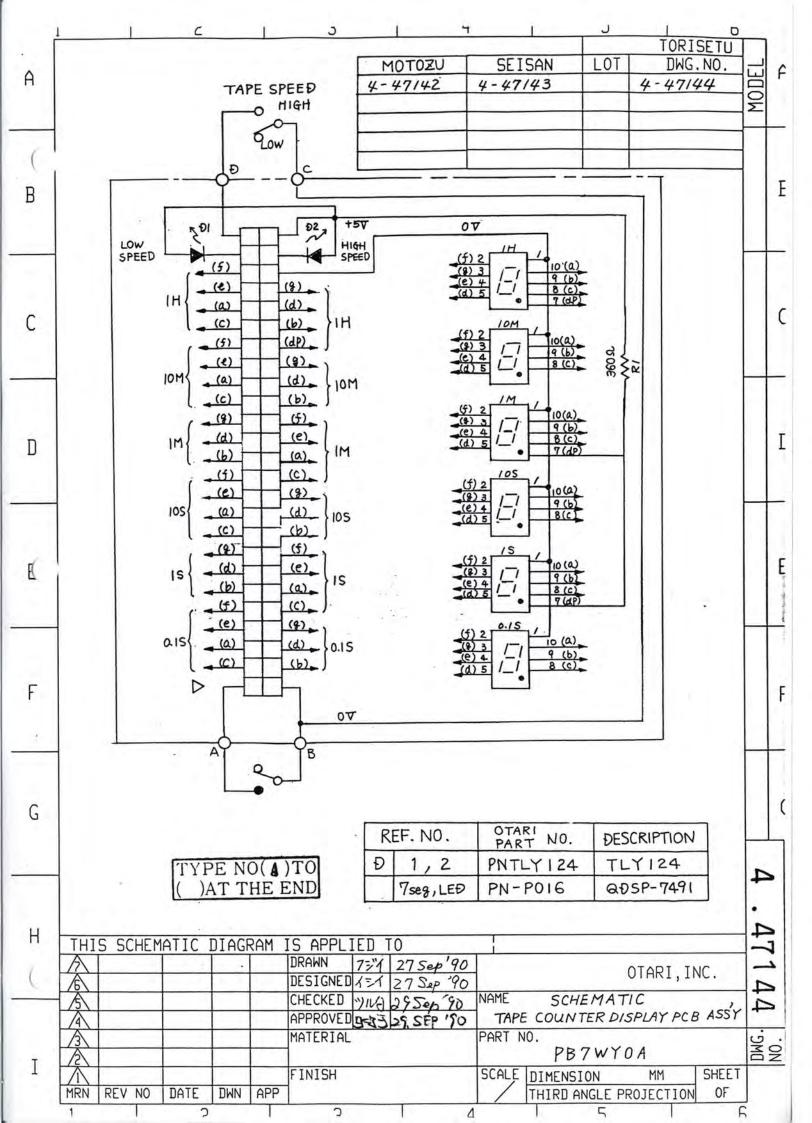
i	DWN	APP		DWG Na.
		-		148(2) 56
	-	-	APPROVE.	INTER CONNECTION Diagram
	1.1	1.1	CHECKED .	NAME
	0.5		DESIGNED .	Otari Electric Co.Ltd
	1.1	12.12	DRAWN SUNSTOZ	

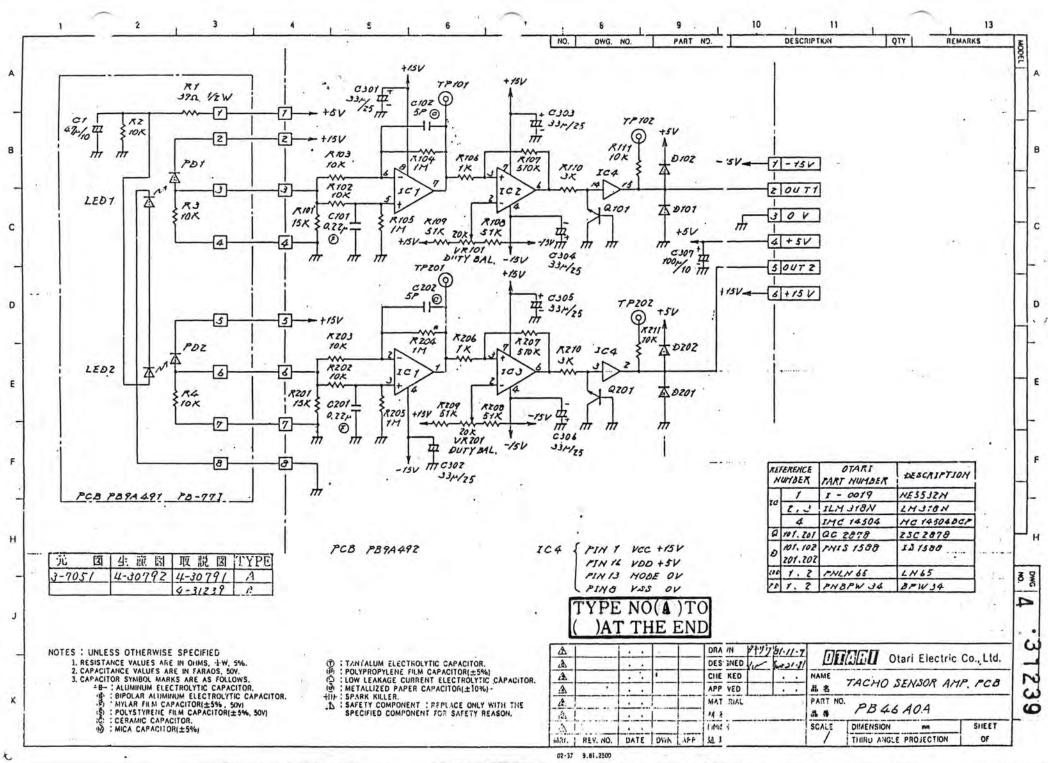


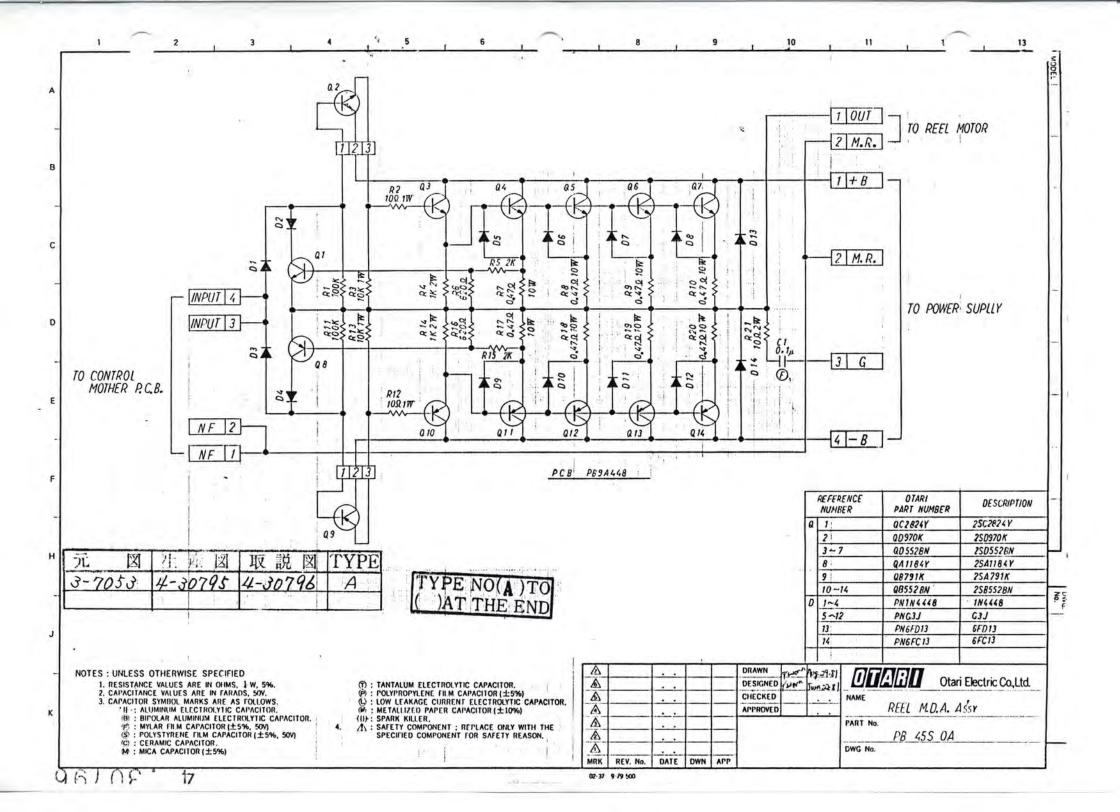
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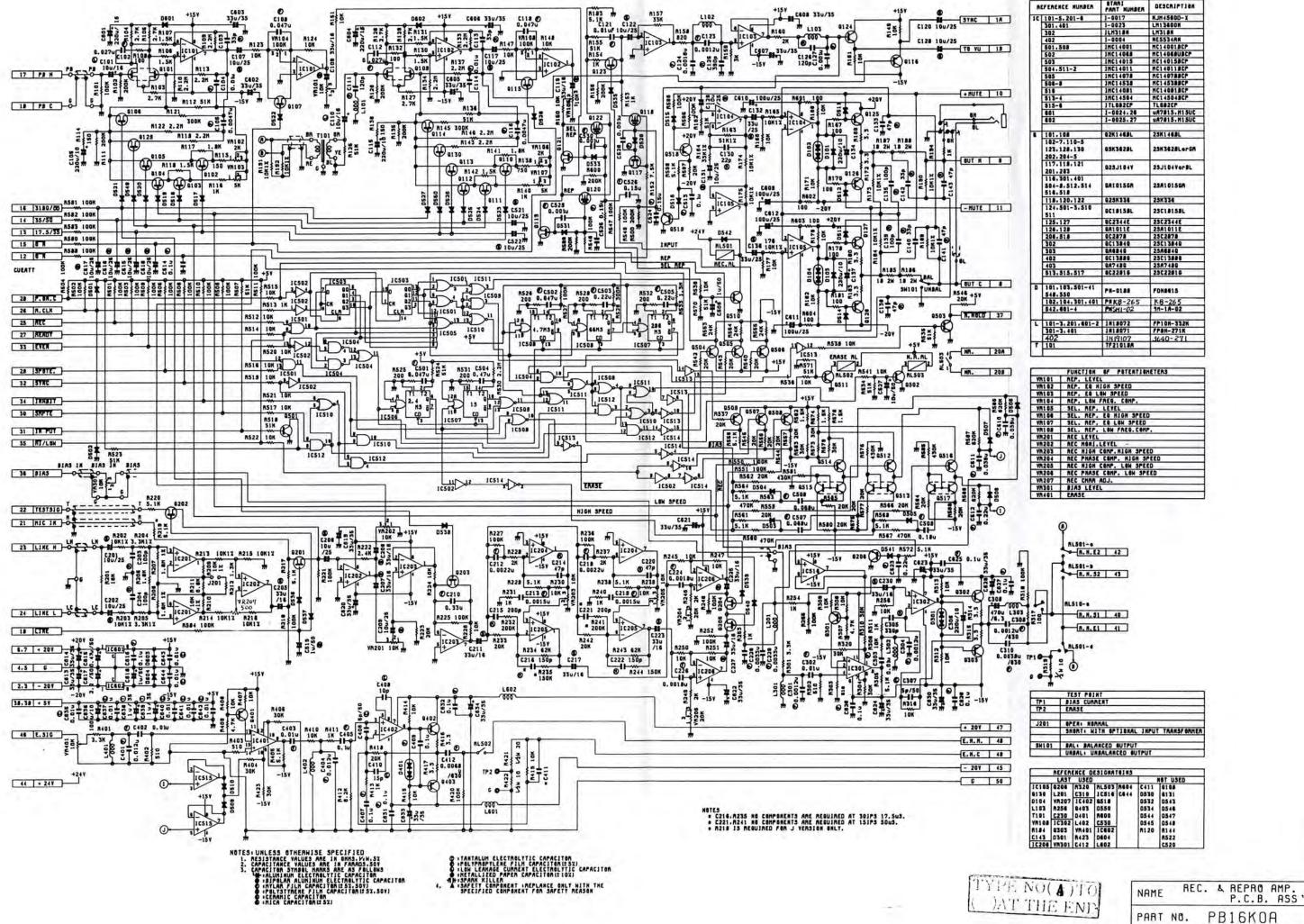










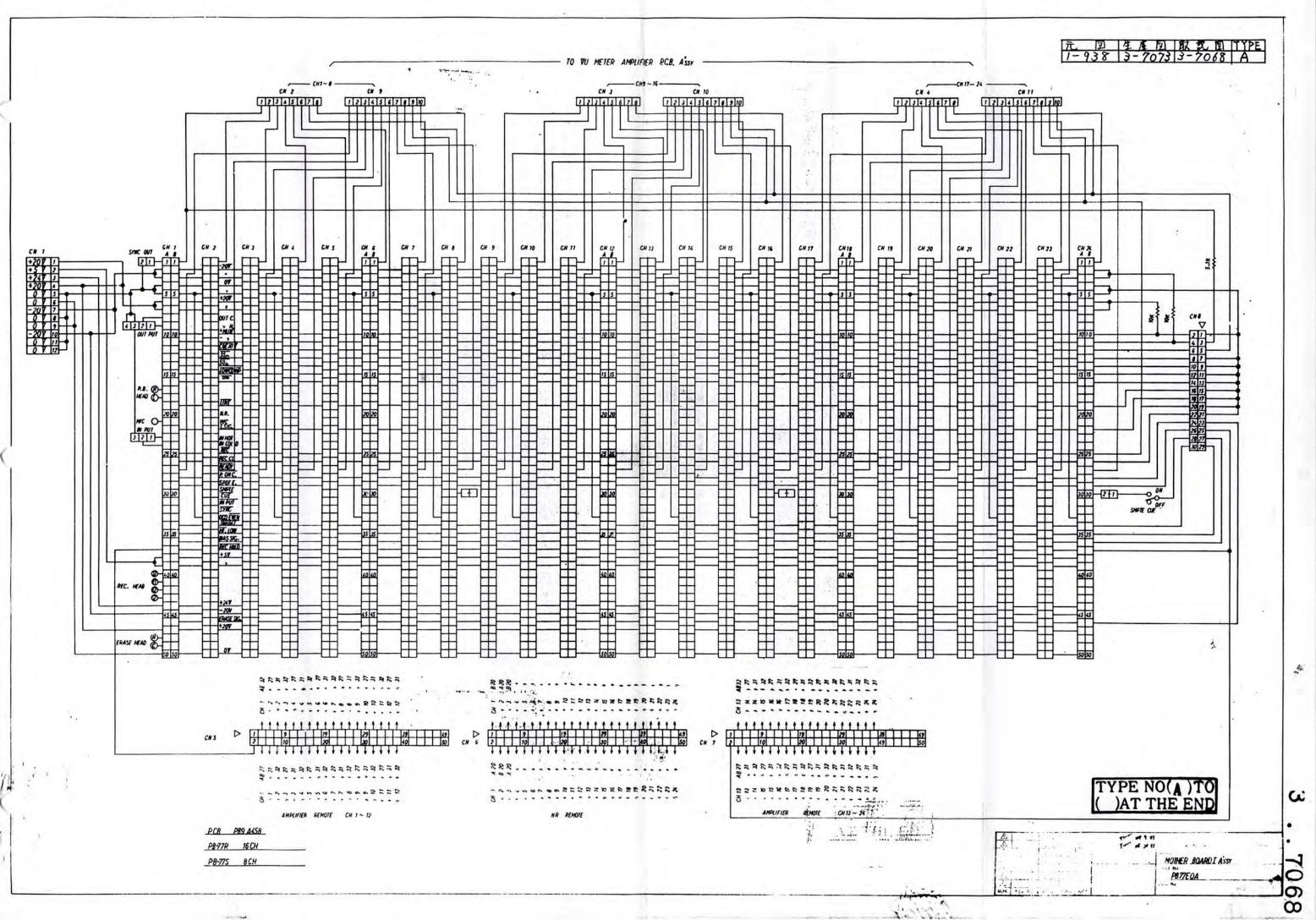


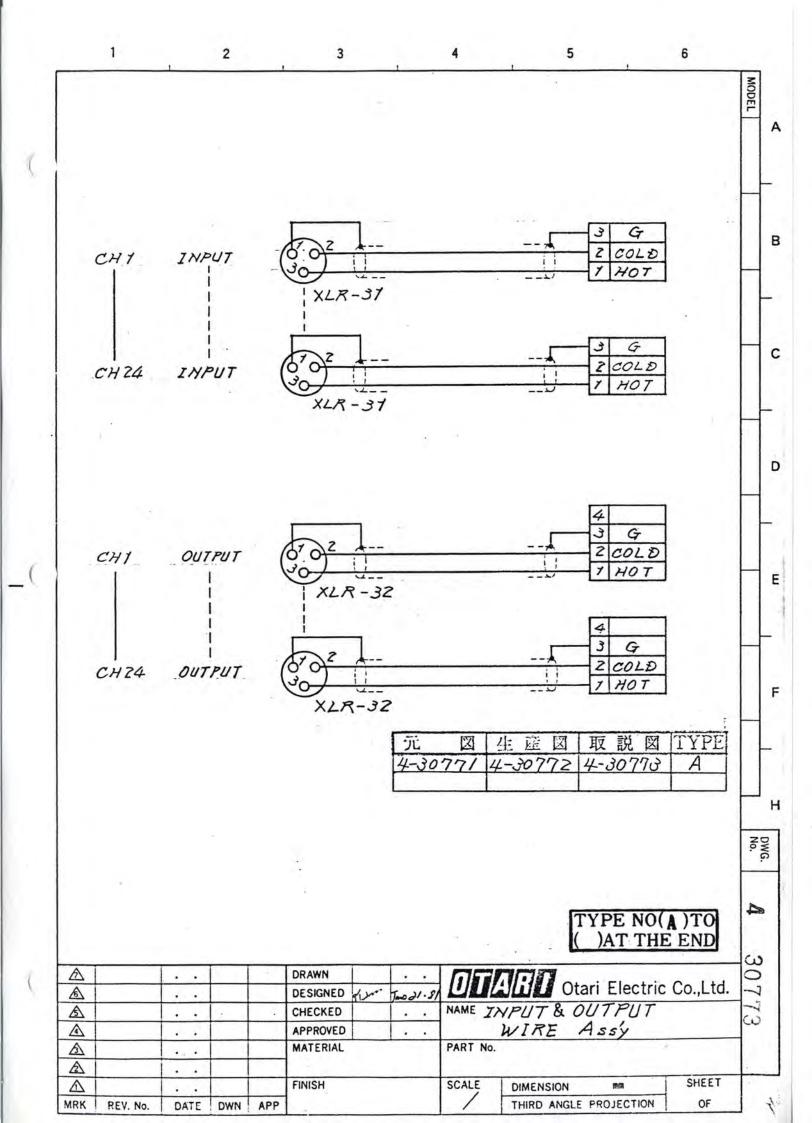
R	EFENENCE NUMBER	STANI PANT NUNSEA	DESCRIPTION
C	101-5.201-6	1-0017	MJH45600-X
	301.401	1-0023	LM13600M
	302	ILH318H	LH318H
	402	1-0004	NESS34AM
	501.508	1MC14001	MC140018CP
	502	IMC14045	HC1406BUBCP
	503	IMC14015	HC140158CP
	504.511-2	INC14011	MC140118CP
	505	INC14078	HC140788CP
	504-8	JMC14538	HC145388CP
	510	IMC14081	MC14081BCP
	513-4	IMC14504	MC14504BCP
	515-6	JTL082CP	TLOB2CP
	601	1-0024.26	uA7815.H15UC
	602	1-0025.27	uA7815.M15UC
	101.104	02K1468L	25K1468L
1	102-7.110-5		
	123.128.130 202.204-5	QSK362BL	25K362BLorGA
	117.118.121 201.203	025J104Y	25J104VorBL
	114.301.401 504-3.512.514	0A101568	23A10156A
	514.518	025K336	258336
	124.501-3.510	9C18158L	25C18158L
	125,127	8C2344E	23C2344E
	124.128	GAIDILE	23A1011E
	204.518	902378	2502878
	302	QC13840	25013849
	303	QA4840	2346849
	402	9013889	25013880
	403	8A7488	23A7480
	513.515.517	8C22816	23022816
D	101.103.501-41 548.550	PH-0188	FORBE15
	102.104.301.401	P#K8-265	K8-265
	542.401-4	PASHI-02	31-1A-02
L	101-3.201.401-2	1818072	PP108-332K
	301-3.401	J#1.071	FPSH-271K
	402	IN19107	3640-271
-	1101	TF21015A	

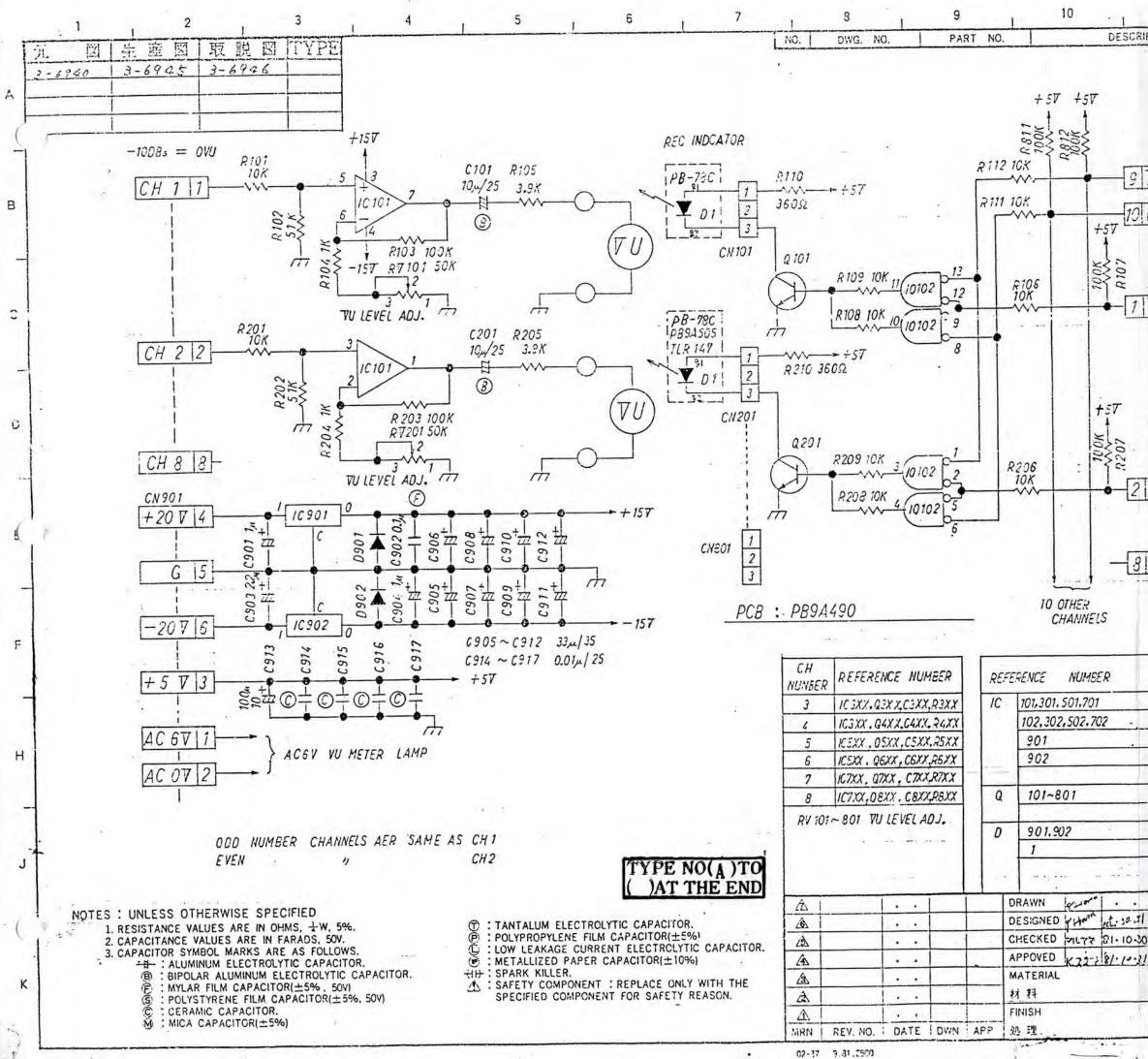
	FUNCTION OF POTENTIONETERS
VA101	MEP. LEVEL
VR1 02	REP. EQ HIGH SPEED
VA103	REP. EQ LOW SPEED
VA104	MEP. LON FRED. COMP.
VR105	SEL. MEP. LEVEL
VRIDE	SEL. MEP. EQ HIGH SPEED
VR1 07	SEL. MEP. EQ LOW SPEED
VALOS	SEL. MEP. LOW FAED. COMP.
VR201	MEC LEVEL
VA202	AEC MONI.LEVEL -
VR203	NEC HIGH COMP. HIGH SPEED
VR204	NEC PHASE COMP. HIGH SPEED
VA205	REC HIGH COMP. LOW SPEED
VA206	REC PHASE COMP. LOW SPEED
VA207	AEC CHAR ADJ.
VA301	BIAS LEVEL
VR401	EMASE

LOT

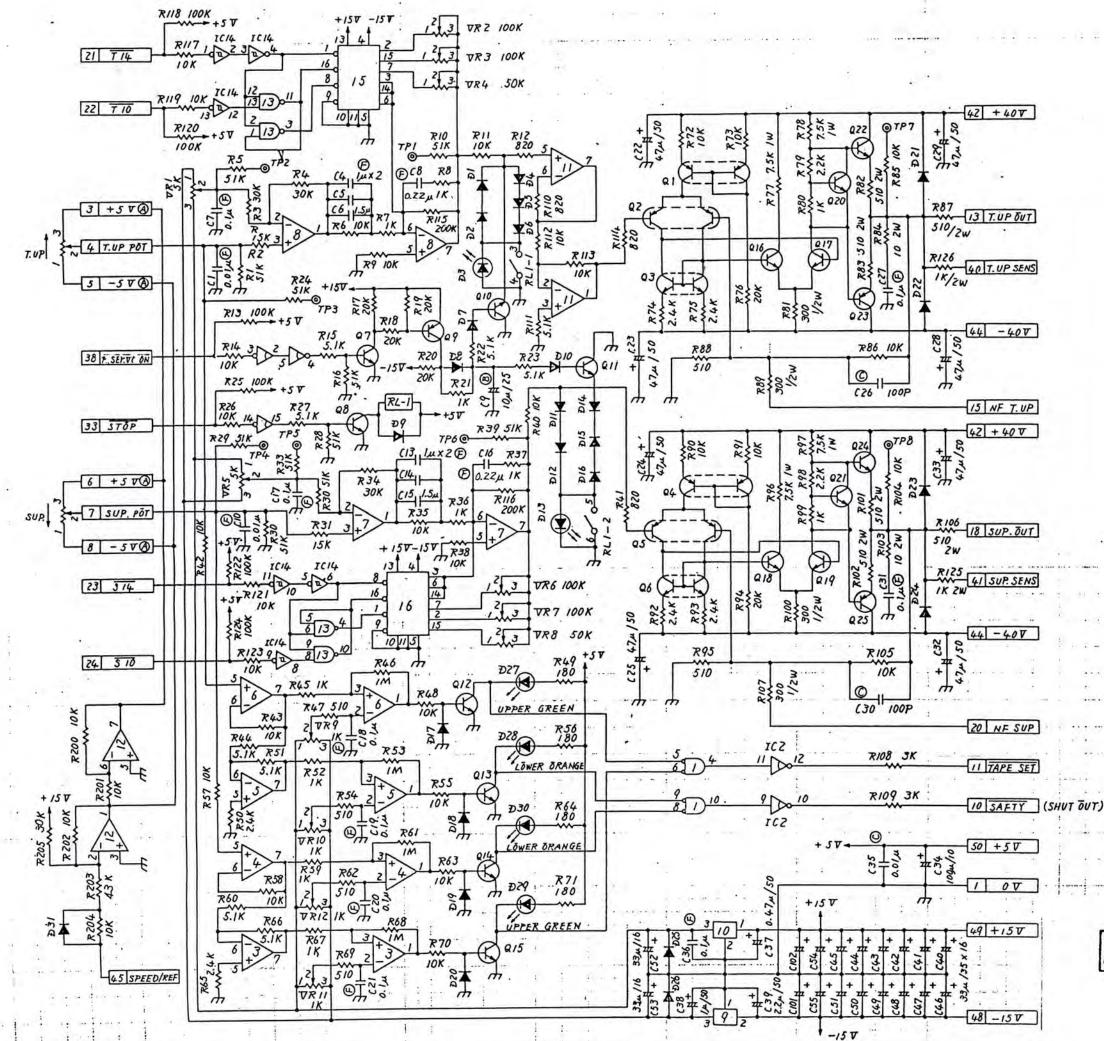
	DWG.
Y	3-8445







С 27 27 27 27 27 27 27 27 27 27		QTY	REMARKS · ·	M
EC       I         IK       I         IK       I         I       I <t< td=""><td></td><td></td><td>-</td><td>190K</td></t<>			-	190K
EC       B         IK       C         IK       C         I       C <t< td=""><td></td><td></td><td></td><td>_</td></t<>				_
EC     B       LK				TR-
EC     B       LK		-		100
Image: Second state of the second s				-
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27       C         22       C         28       F         0TARI PART NUMBER       DESCRIPTICK         1-0017       NJM4560 D-X         1/NC142018       I-0024         1-0024       1-0026         7915       7915         0C1.815.8L       25C1815.8L         9       SM-1A-02         PNSM1-02       SM-1A-02         PNTUR147       TLR147         CDITELISTIC       Otari Electric Co., Ltd.         NAME       CD         SE & WJ ME TER AMPLIFIER PCB A'SSY       CD         PART NO.       CD         SCALE       DIMENSION         ME       SHEET	T			3
P22         P           22         P           28         F           0TARI PART NUMBER         DESCRIPTION           1-0017         NJM4560 D-X           1MC14301         MC140018           1-0024         1-0026           7815         :14315           1-0025         1-0027           7915         :79M15           H         CC1.815BL           905         SM-1A-02           PNNSM1-02         SM-1A-02           PNNTLR147         TLR147           GOTARI FER AMPLIFIER PCB A'SSY           PART INO.           25 # PB77F 0A           SCALE         DIMENSION	LK	1		
P22         P           22         P           28         F           0TARI PART NUMBER         DESCRIPTION           1-0017         NJM4560 D-X           1MC14301         MC140018           1-0024         1-0026           7815         :14315           1-0025         1-0027           7915         :79M15           H         CC1.815BL           905         SM-1A-02           PNNSM1-02         SM-1A-02           PNNTLR147         TLR147           GOTARI FER AMPLIFIER PCB A'SSY           PART INO.           25 # PB77F 0A           SCALE         DIMENSION	1			L
P22         P           22         P           28         F           0TARI PART NUMBER         DESCRIPTION           1-0017         NJM4560 D-X           1MC14301         MC140018           1-0024         1-0026           7815         :14315           1-0025         1-0027           7915         :79M15           H         CC1.815BL           905         SM-1A-02           PNNSM1-02         SM-1A-02           PNNTLR147         TLR147           GOTARI FER AMPLIFIER PCB A'SSY           PART INO.           25 # PB77F 0A           SCALE         DIMENSION	1 -			
P22         P           22         P           28         F           0TARI PART NUMBER         DESCRIPTION           1-0017         NJM4560 D-X           1MC14301         MC140018           1-0024         1-0026           7815         :14315           1-0025         1-0027           7915         :79M15           H         CC1.815BL           905         SM-1A-02           PNNSM1-02         SM-1A-02           PNNTLR147         TLR147           GOTARI FER AMPLIFIER PCB A'SSY           PART INO.           25 # PB77F 0A           SCALE         DIMENSION	1 .		(* ) (* ) (* )	300
P22         P           22         P           28         F           0TARI PART NUMBER         DESCRIPTION           1-0017         NJM4560 D-X           1MC14301         MC140018           1-0024         1-0026           7815         :14315           1-0025         1-0027           7915         :79M15           H         CC1.815BL           905         SM-1A-02           PNNSM1-02         SM-1A-02           PNNTLR147         TLR147           GOTARI FER AMPLIFIER PCB A'SSY           PART INO.           25 # PB77F 0A           SCALE         DIMENSION		1		- c
22       F         28       F         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         INC14001       MC140018         1-0024       1-0026         1-0025       1-0027         7915       7915         QC1.815BL       25C1815BL         9       S         PNSMI-02       SM-1A-02         PNTLR147       TLR147         COTARI PART NO.       S         #       PB77F 0A         SCALE       DIMENSION	21	1		
22       F         28       F         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         INC14001       MC140018         1-0024       1-0026         1-0025       1-0027         7915       7915         QC1.815BL       25C1815BL         9       S         PNSMI-02       SM-1A-02         PNTLR147       TLR147         COTARI PART NO.       S         #       PB77F 0A         SCALE       DIMENSION	1			
22       F         28       F         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         INC14001       MC140018         1-0024       1-0026         1-0025       1-0027         7915       7915         QC1.815BL       25C1815BL         9       S         PNSMI-02       SM-1A-02         PNTLR147       TLR147         COTARI PART NO.       S         #       PB77F 0A         SCALE       DIMENSION	i			-
22       F         28       F         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         INC14001       MC140018         1-0024       1-0026         1-0025       1-0027         7915       7915         QC1.815BL       25C1815BL         9       S         PNSMI-02       SM-1A-02         PNTLR147       TLR147         COTARI PART NO.       S         #       PB77F 0A         SCALE       DIMENSION	1			
22       F         28       F         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         INC14001       MC140018         1-0024       1-0026         1-0025       1-0027         7915       7915         QC1.815BL       25C1815BL         9       S         PNSMI-02       SM-1A-02         PNTLR147       TLR147         COTARI PART NO.       S         #       PB77F 0A         SCALE       DIMENSION	1			
8         OTARI PART NUMBER         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         1MC 14 301       MC 14 0018         1-0024       1-0026         1-0025       1-0027         7915,79M15       H         0C 1.8 15BL       3         0C 1.8 15BL       25C 18 15 BL         9       3         PNSM1-02       SM-1A-02         PNTLR 147       TLR 147         UME TER AMPLIFIER PCB ASSY         PART NO.         B # PB77F 0A         SCALE       DIMENSION	1		0	. D
8         OTARI PART NUMBER         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         1MC 14 301       MC 14 0018         1-0024       1-0026         1-0025       1-0027         7915,79M15       H         0C 1.8 15BL       3         0C 1.8 15BL       25C 18 15 BL         9       3         PNSM1-02       SM-1A-02         PNTLR 147       TLR 147         UME TER AMPLIFIER PCB ASSY         PART NO.         B # PB77F 0A         SCALE       DIMENSION	1			
8         OTARI PART NUMBER         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         1MC 14 301       MC 14 0018         1-0024       1-0026         1-0025       1-0027         7915,79M15       H         0C 1.8 15BL       3         0C 1.8 15BL       25C 18 15 BL         9       3         PNSM1-02       SM-1A-02         PNTLR 147       TLR 147         UME TER AMPLIFIER PCB ASSY         PART NO.         B # PB77F 0A         SCALE       DIMENSION	1			
8         OTARI PART NUMBER         0TARI PART NUMBER       DESCRIPTION         1-0017       NJM 4560 D-X         1MC 14 301       MC 14 0018         1-0024       1-0026         1-0025       1-0027         7915,79M15       H         0C 1.8 15BL       3         0C 1.8 15BL       25C 18 15 BL         9       3         PNSM1-02       SM-1A-02         PNTLR 147       TLR 147         UME TER AMPLIFIER PCB ASSY         PART NO.         B # PB77F 0A         SCALE       DIMENSION	1	Т		Γ
$H$ $H$ $H$ OTARI PART NUMBER       DESCRIPTION $I-0017$ NJM 4560 D-X $I-0017$ NJM 4560 D-X $IMC140013$ MC140013 $I-0024$ $I-0026$ 7815 $I-0025$ $I-0027$ 7915, 79M15. $I-0025$ $I-0027$ 7915, 79M15. $QC1215BL$ $2SC1815BL$ $3$ $\frac{1}{8}$ $QC1215BL$ $2SC1815BL$ $3$ $\frac{1}{8}$ $PNSM1-02$ $SM-14-02$ $3$ $\frac{1}{8}$ $PNSM1-02$ $SM-14-02$ $3$ $\frac{1}{8}$ $PNTLR147$ $1LR147$ $3$ $\frac{1}{9}$ $MME$ $\frac{1}{8} \pm VU$ METER AMPLIFIER PCB ASSY $3$ $\frac{1}{9}$ PART INO. $3$ $\frac{1}{9}$ $3$ $\frac{1}{9}$ $SALE$ DIMENSION $M$ SHEET	22			
$H$ $H$ $H$ OTARI PART NUMBER       DESCRIPTION $I-0017$ NJM 4560 D-X $I-0017$ NJM 4560 D-X $IMC140013$ MC140013 $I-0024$ $I-0026$ 7815 $I-0025$ $I-0027$ 7915, 79M15. $I-0025$ $I-0027$ 7915, 79M15. $QC1215BL$ $2SC1815BL$ $3$ $\frac{1}{8}$ $QC1215BL$ $2SC1815BL$ $3$ $\frac{1}{8}$ $PNSM1-02$ $SM-14-02$ $3$ $\frac{1}{8}$ $PNSM1-02$ $SM-14-02$ $3$ $\frac{1}{8}$ $PNTLR147$ $1LR147$ $3$ $\frac{1}{9}$ $MME$ $\frac{1}{8} \pm VU$ METER AMPLIFIER PCB ASSY $3$ $\frac{1}{9}$ PART INO. $3$ $\frac{1}{9}$ $3$ $\frac{1}{9}$ $SALE$ DIMENSION $M$ SHEET				- 5
PR       Main       F         OTARI PART NUMBER $DESCRIPTION$ F         I-0017       NJM 4560 DX       F         IMC 14001       MC 140013       F         I-0024       I-0026       7815 (14315) (1815)         I-0025       I-0027       7915, 79M15         I-0025       I-0027       7915, 79M15         I-0025       I-0027       7915, 79M15         I-0025       I-0027       7915, 79M15         OC 1815BL       25C 1815BL       3 5         PNSMT-02       SM-14-02       SM-14-02         PNTLR147       ILR 147       G         IMME       G       G         Bati WJ METER AMPLIFIER PCB ASSY       PART NO.         Bati PB77F 0A       G         SCALE       DIMENSION       Main	1			r.
Image: Normal Sheet       Image: Normal Sheet <thimage: normal="" sheet<="" th="">       Image: Normal Sheet&lt;</thimage:>	28	1	·**	
Image: Normal Stress of the state of the stress of the			-	-
Image: Normal Stress of the state of the stress of the				
Image: Normal Stress of the state of the stress of the				
I-0017       NJM 4560 D-X         IMC14001       MC140018         I-0024       1-0026       7815       314315       318MI5         I-0025       I-0027       7915,79MI5       H         QC1815BL       2SC1815BL       38       38         PNSM1-02       SM-1A-02       SM-1A-02       SM-1A-02         PNTLR147       TLR147       GD       GD         Image: State				1 1 1-
IMC14001       MC140018         I-0024       I-0026       7815       (14315)78MI5         I-0025       I-0027       7915,79MI5       H         QC1815BL       2SC1815BL       30%         PNSM1-02       SM-1A-02       SM-1A-02         PNTLR147       TLR147       (J)         Image: Straight of the straig			<b>W</b> e <sup>16</sup> (*	F
IMC14001       MC140018         I-0024       I-0026       7815       (14315)78MI5         I-0025       I-0027       7915,79MI5       H         QC1815BL       2SC1815BL       30%         PNSM1-02       SM-1A-02       SM-1A-02         PNTLR147       TLR147       (J)         Image: Straight of the straig	OTAR	I PART NUMBER	•	F
1-0024       1-0026       7815       (14315)78M15       H         1-0025       1-0027       7915,779M15       H         QC1915BL       2SC1815BL       B       B       B         PNSM1-02       SM-1A-02       B       B       CO         PNTLR147       TLR147       CO       CO       CO         DITICUE       Otari Electric Co., Ltd.       CO       CO         NAME       B       EVU METER AMPLIFIER PCB A'SSY       CO         PART NO.       SHEET       CO       CO         SCALE       DIMENSION       MM       SHEET       CO			DESCRIPTION	F
I-0025       I-0027       7915, 79M15.         QC 1.9.15.BL       2SC 1.8.15.BL       3 00         PNSM1-02       SM-1A-02       3         PNTLR 147       TLR 147       (J)         Image: Straight of the str	1-1	0017	DESCRIPTION NJM 4560 DX	F
QC 1.8 15 BL     35 BL       PNSM1-02     SM-1A-02       PNTLR 147     TLR 147       DITINIZIO     Otari Electric Co., Ltd.       NAME     Otari Electric Co., Ltd.       Bat SVU METER AMPLIFIER PCB ASSY     90       PART NO.     50       SCALE     DIMENSION	1-1 18	0017 C14J01	DESCRIPTION NJM 4560 D.—X MC 140018	
PNSM1-02     SM-1A-02       PNTLR147     TLR147       Image: Straight of the st	1-1 1M 1-0	0 017 C 14 J 01 0 0 2 4 1 - 0 0 2 6	DESCRIPTION NJM 4560 D.—X MC 140018 78 15 3143 15 378M [5	
PNSM1-02     SM-1A-02       PNTLR147     TLR147       Image: Straight of the st	1-1 1M 1-0	0 017 C 14 J 01 0 0 2 4 1 - 0 0 2 6	DESCRIPTION NJM 4560 DX MC 140018 78 15 3143 15 378M 15 7915 , 79M 15	
PNTLR147     TLR147       Image: Shear information     Image: Shear information       Image: Shear information     Image: Shear information       Image: Shear information     Image: Shear information		0017 C14001 0024 <u>1-0026</u> 0025 <u>1-0027</u>	DESCRIPTION NJM 4560 DX MC 140018 78 15 3143 15 378M 15 7915 , 79M 15	
DITIEND Otari Electric Co., Ltd. NAME BA & VU METER AMPLIFIER PCB A'SSY PART NO. BA # PB77F OA SCALE DIMENSION MOD SHEET	1-1 1M 1-0 1-1	0017 C14001 0024 1-0026 0025 1-0027 1815BL	DESCRIPTION NJM 4560 DX MC 140013 7815 (14315) 78M[5 7915, 79M15] 2SC 1815B1	
DIFFER Otari Electric Co., Ltd. NAME BA & VU METER AMPLIFIER PCB A'SSY PART NO. BA # PB77F OA SCALE DIMENSION MOD SHEET	  M:                   	0017 C14001 0024 <u>1-0026</u> 0025 <u>1-0027</u> 1815BL	DESCRIPTION NJM 4560 DX MC140018 7815 (14315)78M[5 7915,79M15. 2SC 1815B1 SM-1A-02	
NAME 品名VUMETER AMPLIFIER PCB ASSY PART NO. 品番 PB77F OA SCALE DIMENSION MM SHEET	  M:                   	0017 C14001 0024 <u>1-0026</u> 0025 <u>1-0027</u> 1815BL	DESCRIPTION NJM 4560 DX MC140018 7815 (14315)78M[5 7915,79M15. 2SC 1815B1 SM-1A-02	
NAME 品名VUMETER AMPLIFIER PCB ASSY PART NO. 品番 PB77F OA SCALE DIMENSION MM SHEET	  M:     -   -     -	0017 C14001 0024 <u>1-0026</u> 0025 <u>1-0027</u> 1815BL	DESCRIPTION NJM 4560 DX MC140018 7815 (14315)78M[5 7915,79M15. 2SC 1815B1 SM-1A-02	
SCALE DIMENSION IN SHEET	   M                 	0017 <u>C14001</u> 0024 <u>1-0026</u> 0025 <u>1-0027</u> 1815BL ISM1-02 ITUR147	DESCRIPTION NJM 4560 D-X MC140013 7815 (14315)78M[5 7915,79M15 2SC1815BL SM-1A-02 TLR147	
SCALE DIMENSION IN SHEET	I-1 IM I-0 I-1 I-1 I-1 I I PA PA PA	0017 <u>C14001</u> 0024 <u>1-0026</u> 0025 <u>1-0027</u> 1815BL ISM1-02 ITUR147	DESCRIPTION NJM 4560 D-X MC140013 7815 (14315)78M[5 7915,79M15 2SC1815BL SM-1A-02 TLR147	
SCALE DIMENSION IN SHEET	I-1 IM I-1 I-1 I-1 I-1 I-1 I-1 I-1 I-1 I-1 I-1	0017 <u>C14001</u> 0024 <u>1-0026</u> 0025 <u>1-0027</u> 19158L <u>ISM1-02</u> <u>IILR147</u> Ota	<i>DESCRIPTION</i> <i>NJM 4560 DX</i> <i>MC 140018</i> 7815 (14315)(78M15) 7915, 79M15. 2SC 1815B1 SM-1A-02 TLR 147 TLR 147 TLR 147	
SCALE DIMENSION IN SHEET	I-I IM I-C I-I I I I PA PA PA PA	0017 <u>C14001</u> 0024 <u>1-0026</u> 0025 <u>1-0027</u> 1815BL ISM1-02 ITLR147 <b>TLSILIJU</b> Ota	<i>DESCRIPTION</i> <i>NJM 4560 DX</i> <i>MC 140018</i> 7815 (14315)(78M15) 7915, 79M15. 2SC 1815B1 SM-1A-02 TLR 147 TLR 147 TLR 147	
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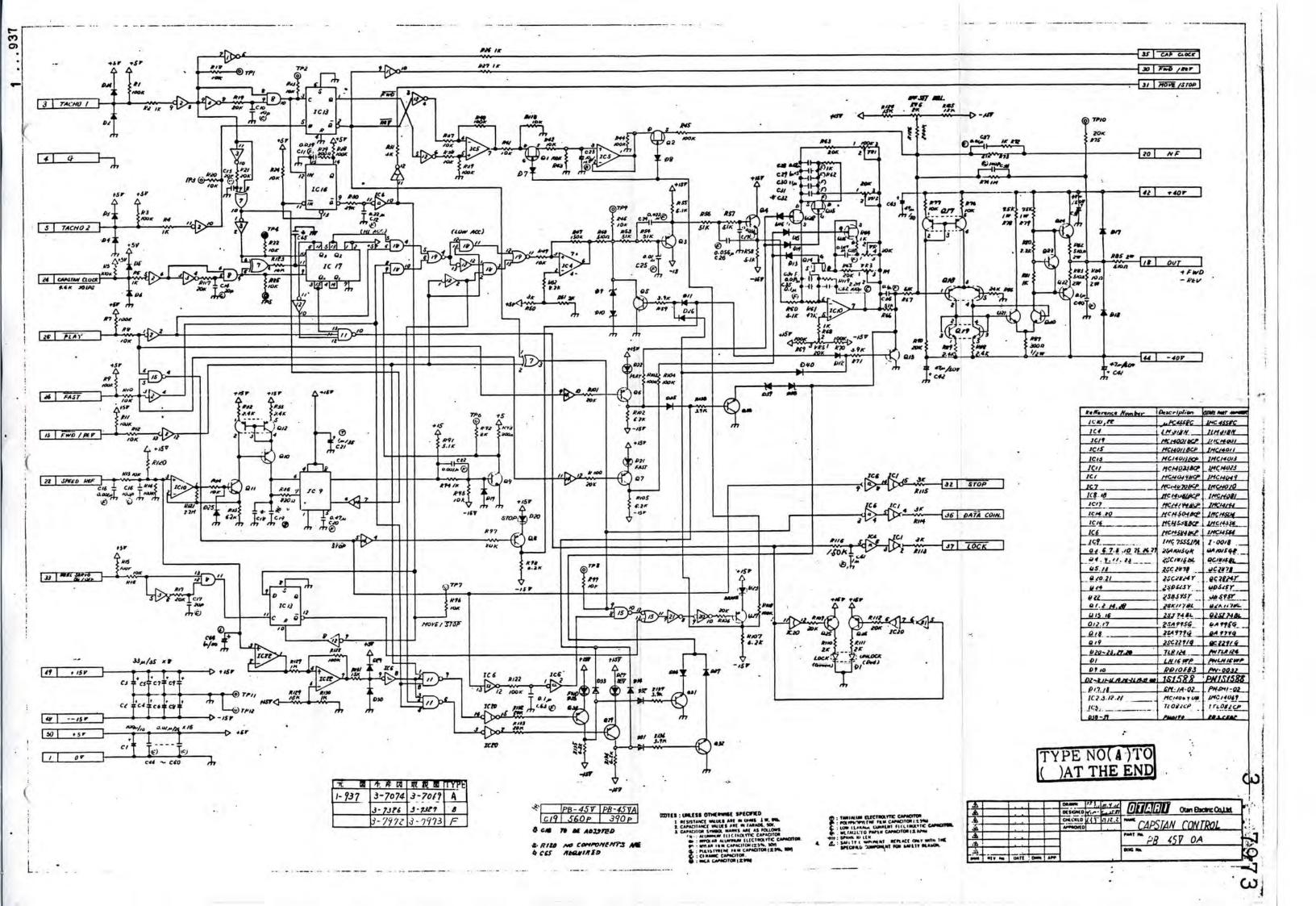


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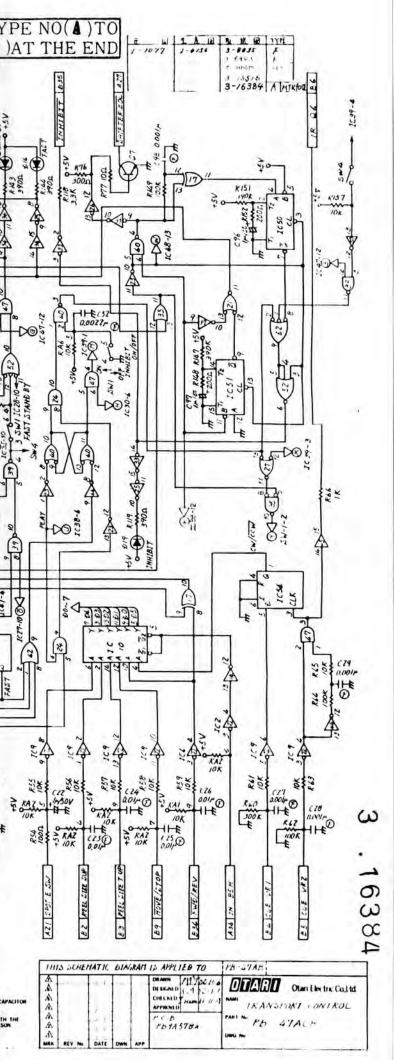
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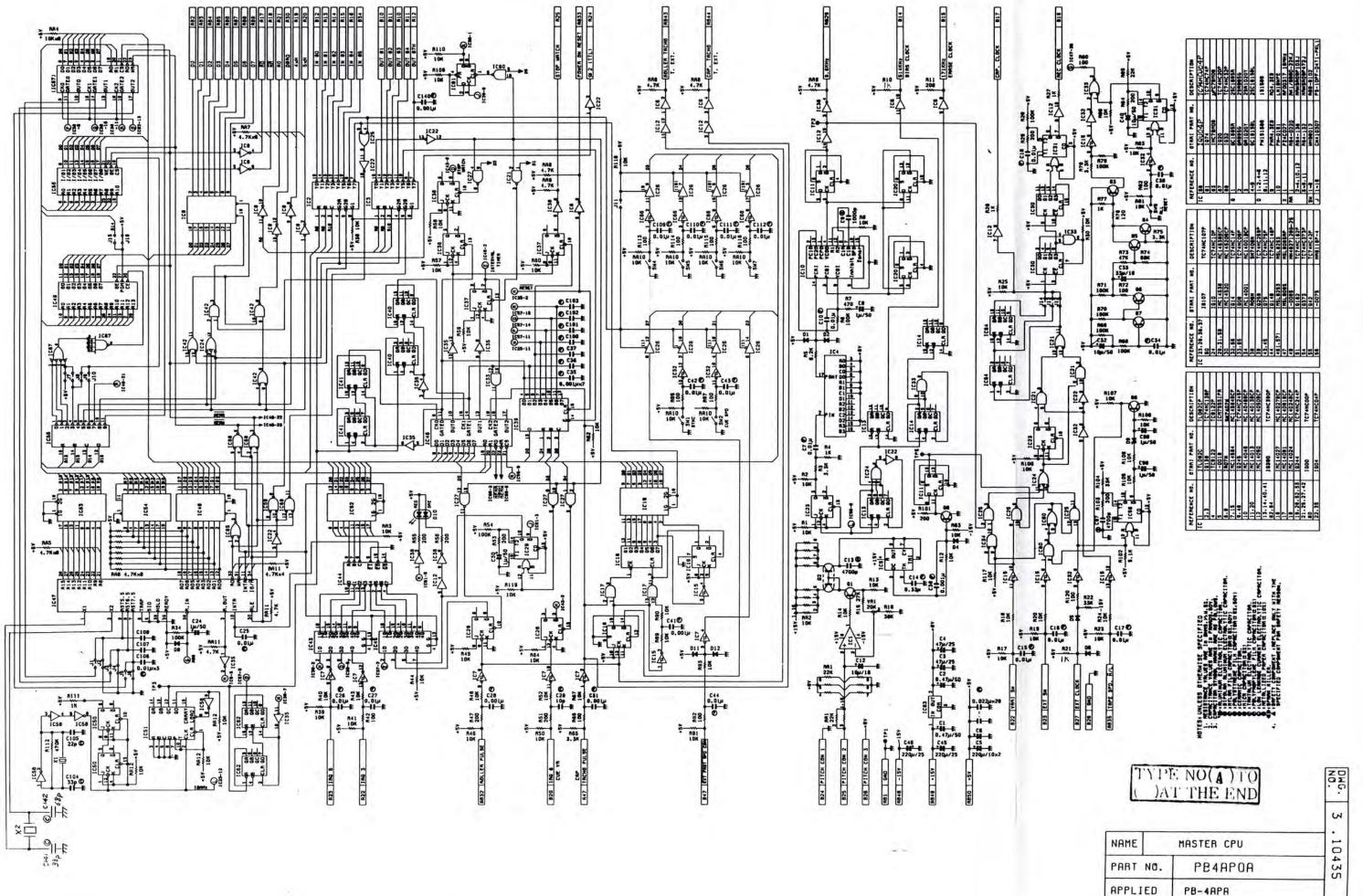
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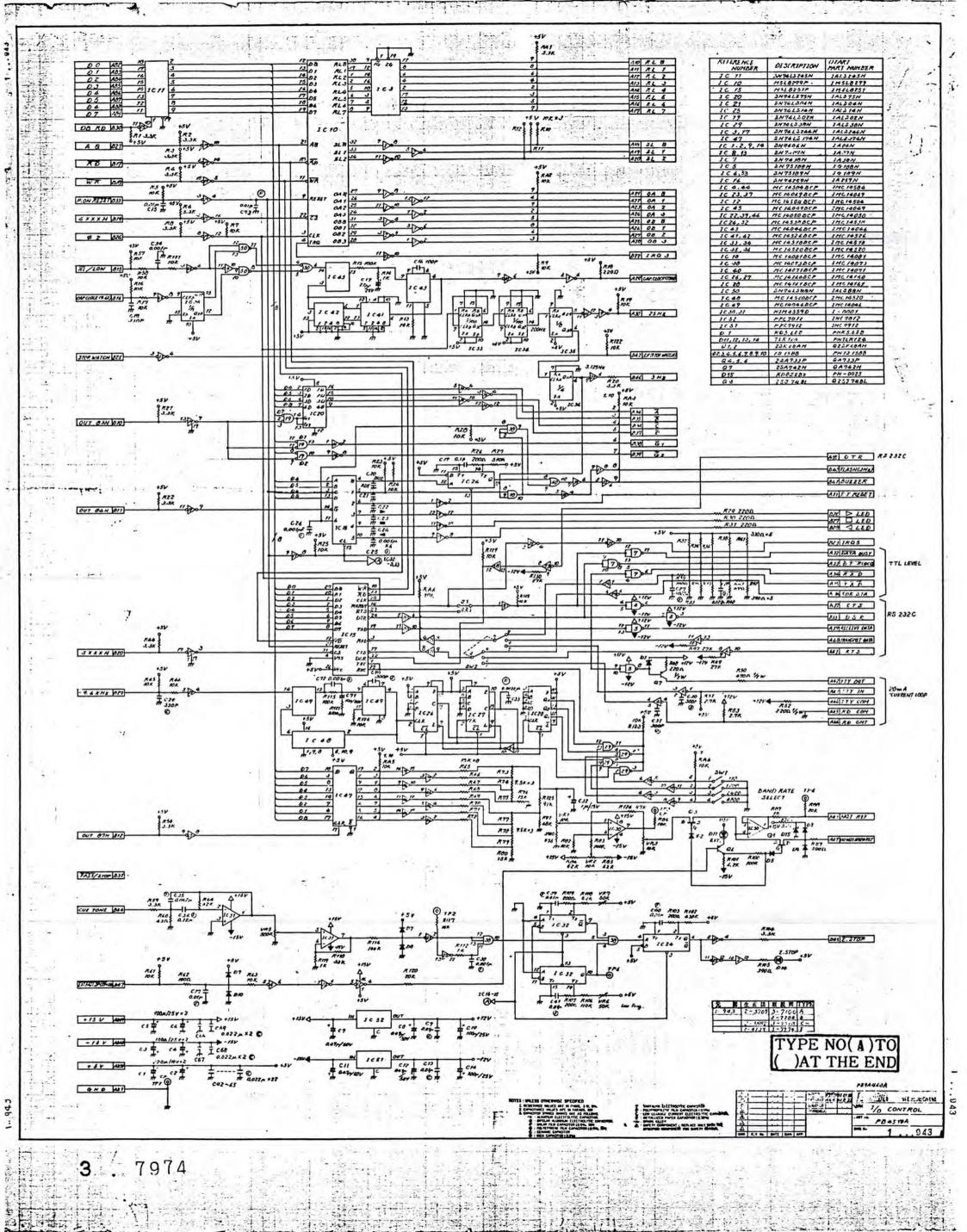


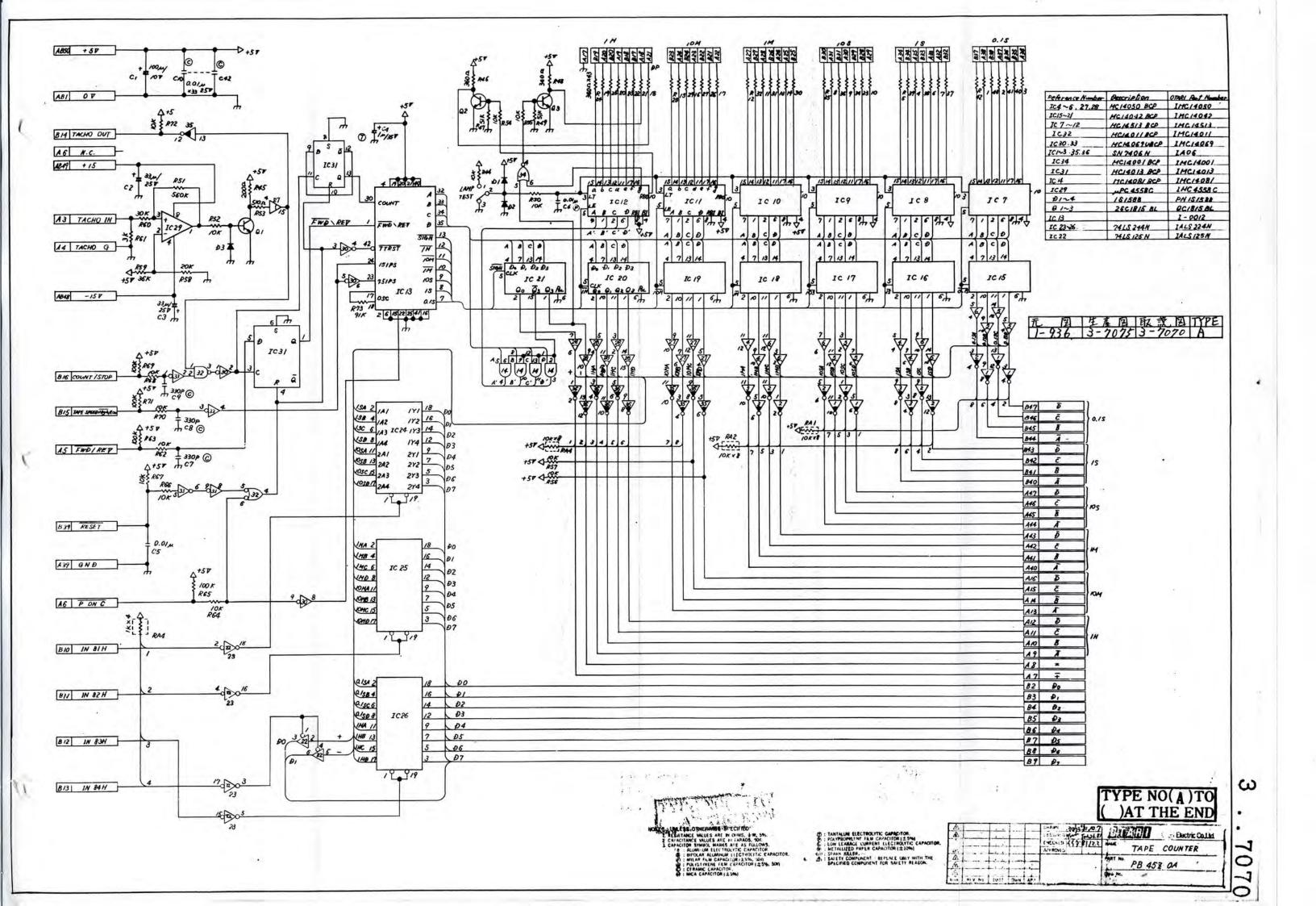
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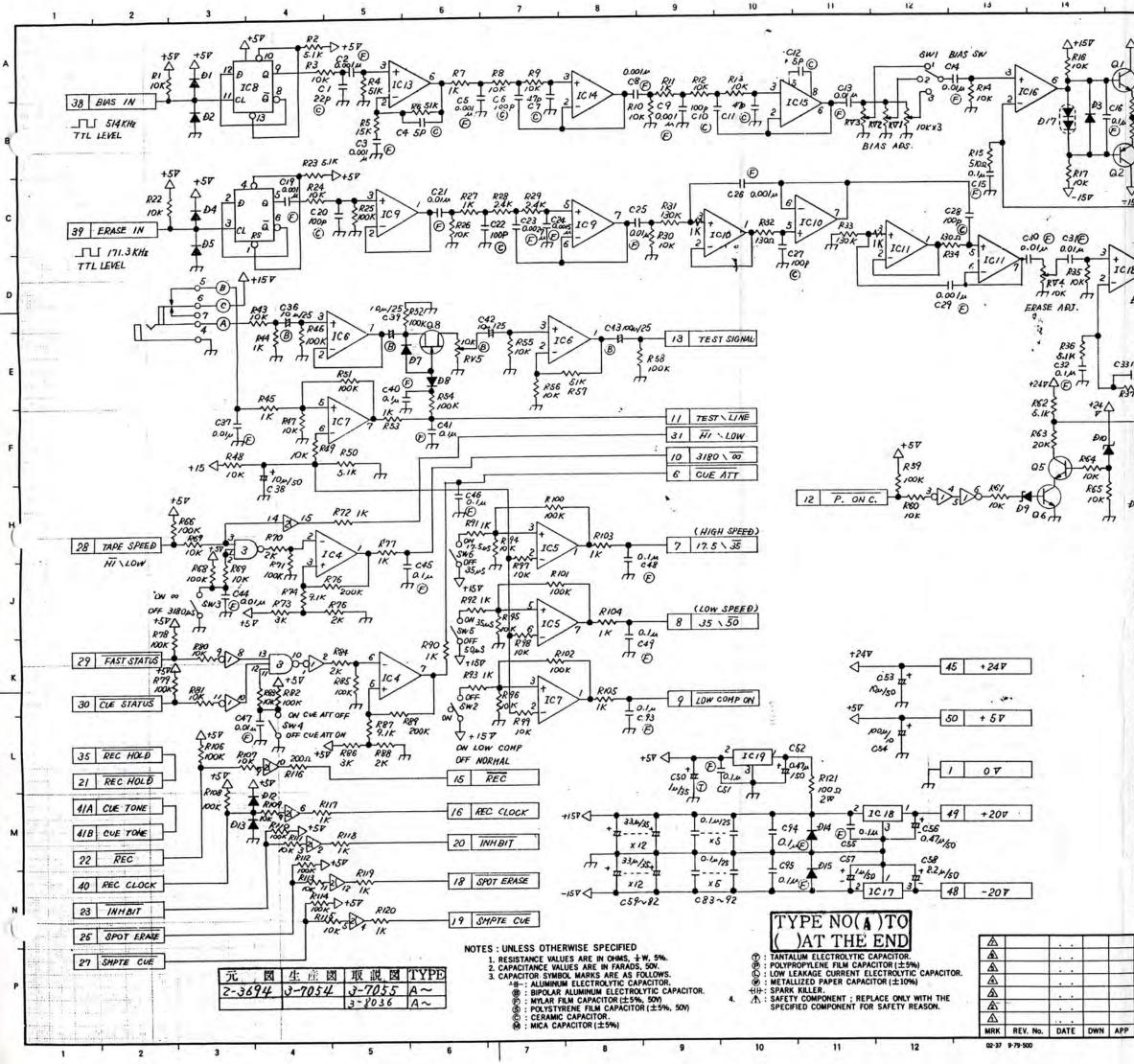
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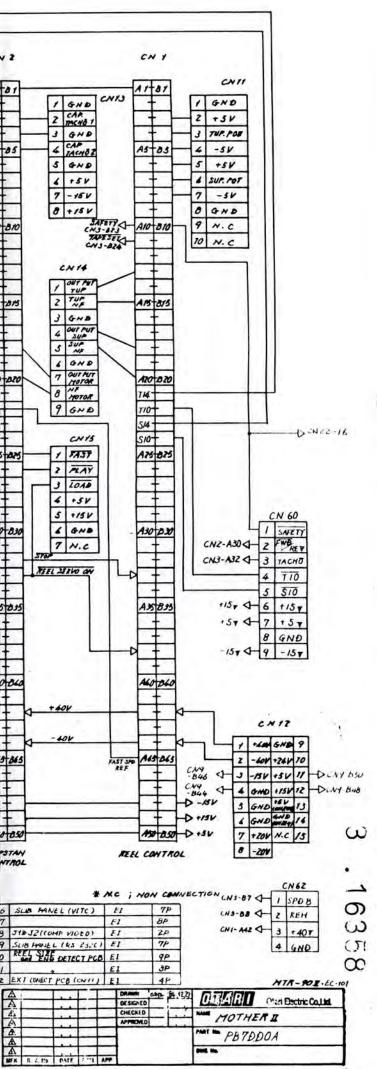


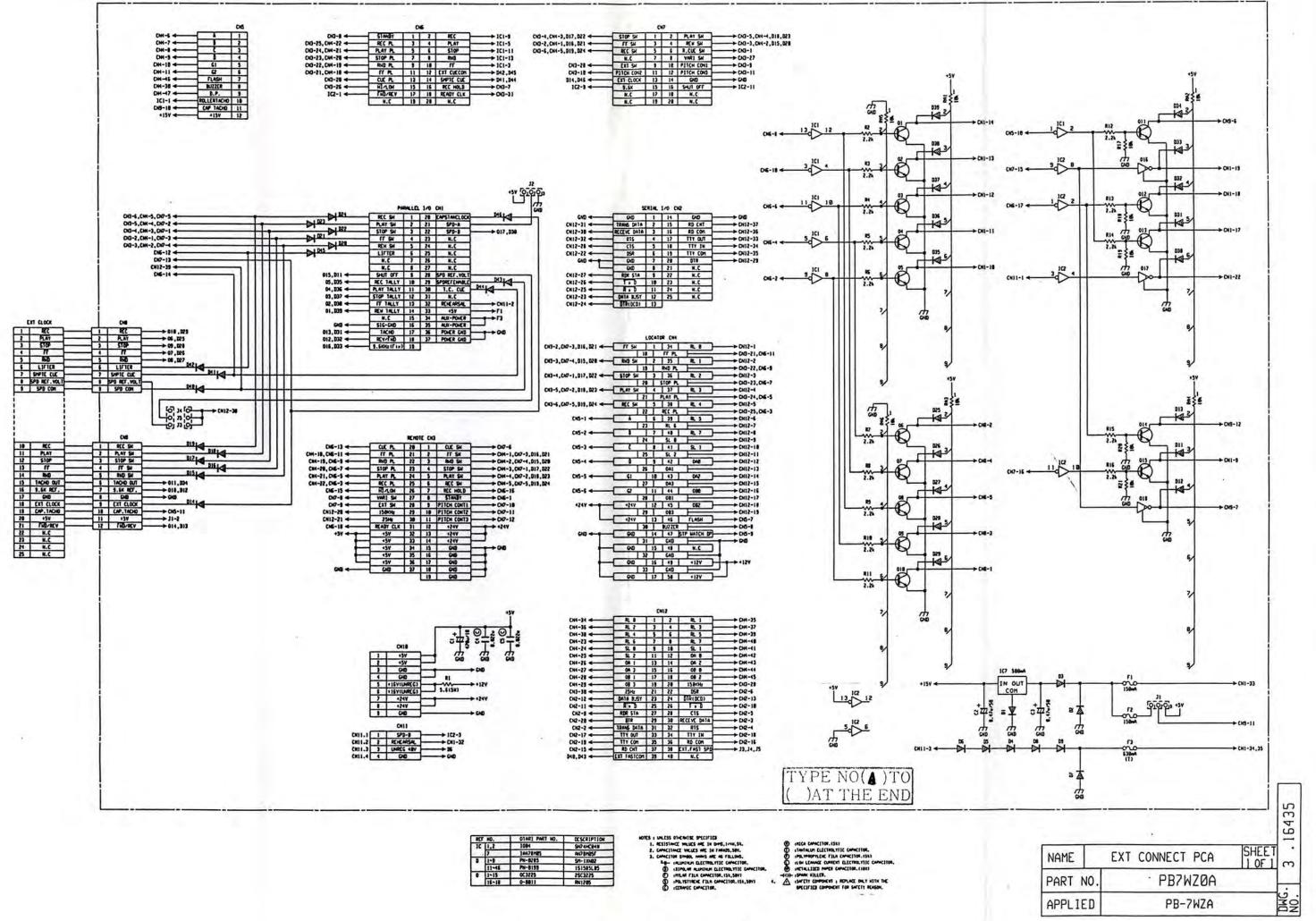


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ITT Efference Humber 1C.15 1C.12~1416 IC.9~11 IC.4~7 IC.8 IC.2 IC.1 IC.3 IC.18 IC.19 IC.17	17         CON           Description         NE 5534 AN           LM 318 N         NE 5532N           NJH4559 D €         SN 74 74 N           MC 14050 BCP         MC 14069 UBCP           MC 14069 UBCP         MC 14 023 BCP           MC 14315 H         MPC 14315 H           MPC 14305 H         MPC 7915 H	0TAKI Part Number 1-0004 ILM 318N 1-0019 1-0001 1A74N IHC14050 IHC 4069 IHC14023 IHC14315 IHC14305 IHC7915	
177 Tefference Humber 1C.15 1C.12~14.,16 IC.9~11 IC.4~7 IC.8 IC.2 IC.1 IC.3 IC.18 IC.19	17         CON           Description         NE 5534 AN           LM 318 N         NE 5532N           NJH4559 ₽ €         SN 74 74 N           MC 14050 BCP         HC 14069 UBCP           MC 14 023 BCP         MC 14 315 H           MPC 14315 H         MPC 14305 H	0TAKI Part Number I-0004 ILM 318N I-0019 I-0001 IA 74N IHC 14050 IHC 14050 IHC 14315 IHC 14305	
ITT Efference Number 1C 15 1C 12~14 . 16 IC 9~11 IC4~7 IC8 IC2 IC1 IC3 IC18 IC19 IC19 IC17 Q 1.3 Q 2.4 Q 5.6	17         CON           Description         NE 5534 AN           LM318 N         NE 5532N           NJ14559 D E         SN 74 74 N           MC 14050 BCP         HC14069 UBCP           HC 14050 BCP         HC14069 UBCP           MC 14315 H         MPC 14315 H           MPC 14305 H         MPC 17915 H           2SC 1384 Q         2SSA684Q           2SC 1815 BL         2SC 1815 BL	0TAKI Part Number 1-0004 ILM 318N I-0019 1-0001 1A 74N IHC 14050 IHC 14050 IHC 14315 IHC 14315 IHC 14305 IHC 7915 QC 1384 Q QA 684 Q QC /815 BL	
IT1         Defference Humber         IC15         IC12~14.16         IC9~11         IC4~7         IC8         IC2         IC1         IC3         IC19         IC19         IC17         Q1.3         Q2.4         Q5.6         Q7	I7         CON           Description         NE 5534 AN           LM 318 N         NE 5532N           NJH4559 D €         SN 74 74 N           MC 14050 BCP         MC 14050 BCP           MC 14069 UBCP         MC 14315 H           MPC 14315 H         MPC 14315 H           MPC 14305 H         MPC 7915 H           2SC 1384 Q         2SA 684 Q           2SC 1815 BL         2SA 1015GR	0TAKI Farl Number 1-0004 ILM 318N I-0019 1-0001 1A 74N 1HC 14050 IHC 14050 IHC 14053 IHC 14 315 IHC 14 315 IHC 14 305 IHC 7915 QC 1384 Q QA 684 Q QC (815 BL QA 1015GR	
IC17         IC15         IC12~14.16         IC9~11         IC4~7         IC8         IC2         IC1         IC3         IC19         IC17         Q.1.3         Q.2.4         Q.5.6         Q.7         Đ10	I7         CON           Description         NE 5534 AN           LM 318 N         NE 5532N           NJH4559 D €         SN 74 74 N           MC 14050 BCP         HC 14050 BCP           MC 14069 UBCP         MC 14 023 BCP           MC 1435 H         µPC 14315 H           µPC 14305 H         µPC 7915 H           2SC 1384 Q         2SA 684 Q           2SA 684 Q         2SA 1015GR           RD 22 EB1         RD	0TAKI Farl Number 1-0004 ILM 318N I-0019 1-0001 1A 74N 1HC 14050 IHC 14050 IHC 14053 IHC 14315 IHC 14315 IHC 14305 IHC 7915 QC 1384 Q QA 684 Q QC (815 BL QA 1015GR PN-0054	
IT1         Defference Humber         IC15         IC12~14.16         IC9~11         IC4~7         IC8         IC2         IC1         IC3         IC19         IC19         IC17         Q1.3         Q2.4         Q5.6         Q7	I7         CON           Description         NE 5534 AN           LM 318 N         NE 5532N           NJH4559 D €         SN 74 74 N           MC 14050 BCP         MC 14050 BCP           MC 14069 UBCP         MC 14315 H           MPC 14315 H         MPC 14315 H           MPC 14305 H         MPC 7915 H           2SC 1384 Q         2SA 684 Q           2SC 1815 BL         2SA 1015GR	0TAKI Farl Number 1-0004 ILM 318N I-0019 1-0001 1A 74N 1HC 14050 IHC 14050 IHC 14053 IHC 14 315 IHC 14 315 IHC 14 305 IHC 7915 QC 1384 Q QA 684 Q QC (815 BL QA 1015GR	
IT1         1C 15         1C 15         1C 12~14.16         IC 9~11         IC4~7         IC8         IC2         IC1         IC3         IC19         IC19         IC19         IC19         IC17         Q 1.3         Q 2.4         Q 5.6         Q 7         D10         D9	17         CON           Description         NE 5534 AN           LM 318 N         NE 5532N           NJH4559 D E         SN 74 74 N           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 1435 H           MPC 14315 H         MPC 17305 H           MPC 7915 H         2SC 1384 Q           2SA 684 Q         2SA 684 Q           2SA 1015GR         RD 22 EBI           RD 33 EB2         RD 33 EB2	07AKI Parl Number 1-0004 1LM 318N 1-0019 1-0001 1A 74N 1HC 14050 1HC 14050 1HC 14053 1HC 14315 1HC 14315 1HC 14315 1HC 17915 QC 1384 Q QA 684 Q QC (815 BL QA 1015 GR PN-0054 PN-0168 PN 151588 PNSM 1-02	
IT1         1C 15         1C 12 ~14 , 16         IC 9~11         IC4~7         IC8         IC2         IC1         IC3         IC19         IC7         Q 1.3         Q 2.4         Q 5.6         Q 7         D10         D9         D1-6.8,11~3         D14.15.7         D 16.17	I7         CON           Description         NE 5534 AN           LM318 N         NE 5532N           NJ14559 D F         SN 74 74 N           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 14315 H           MPC 14315 H         MPC 14305 H           MPC 17395 H         2SC 1384 Q           2SSA 684 Q         2SSA 684 Q           2SA 1015GR         RD 23 EB2           RD 33 EB2         IS 1588           SM - 1A - 02         KB - 265	01AKI Parl Number 1-0004 1LM 318N 1-0019 1-0001 1A 74N 1HC 14050 1HC 14050 1HC 14053 1HC 14315 1HC 14315 1HC 14315 1HC 14315 1HC 17915 QC 1384 Q QA 684 Q QC 1815 BL QA 1015 GR PN-0054 PN-0168 PN 191588 PNSM1-02 PNKB-265	
171         Defference Humber         1C15         1C12~14.16         IC9~11         IC4~7         IC8         IC2         IC1         IC3         IC19         IC10         IC19         IC10         IC19         IC10         IC11         IC12         IC13         IC14.15.7	I7         CON           Description         NE 5534 AN           LM318 N         NE 5532N           NJ14559 D F         SN 74 74 N           MC 14050 BCP         HC 14050 BCP           MC 14050 BCP         HC 14050 BCP           MC 14050 BCP         HC 14050 BCP           MC 14050 BCP         MC 14315 H           MPC 14315 H         MPC 14305 H           MPC 19384 Q         2SC 1384 Q           2SC 1384 Q         2SA 6840           2SC 1815 BL         2SA 1015GR           RD 22 EB1         RD 33 EB2           IS 1588         SM -1A -02           KB-265         2SK 1/17 BL	0TAKI Part Number 1-0004 ILM 318N I-0019 1-0001 1A 74N IHC 14050 IHC 14050 IHC 14023 IHC 14315 IHC 14315 IHC 14315 IHC 14305 IHC 7915 QC 1384 Q QA 684 Q QC (815 BL QA 1015 GR PN-0054 PN-0168 PNY 181588 PNSM1-02 PNKB-265 R 02K H7 BL	
777         Ic 15         Ic 12~14.16         Ic 9~11         Ic 4~7         Ic 8         Ic 2         Ic 1         Ic 8         Ic 9         Ic 1         Ic 8         Ic 9         Ic 1         Ic 8         Ic 9         Ic 1         Ic 9         Ic 19         Ic 19         Ic 17         Q 1.3         Q 2.4         Q 5.6         Q 7         D 10         D 9         D 10         D 9         D 14.15.7         P 16.17	I7         CON           Description         NE 5534 AN           LM318 N         NE 5532N           NJ14559 D F         SN 74 74 N           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 14315 H           MPC 14315 H         MPC 14305 H           MPC 17395 H         2SC 1384 Q           2SSA 684 Q         2SSA 684 Q           2SA 1015GR         RD 23 EB2           RD 33 EB2         IS 1588           SM - 1A - 02         KB - 265	07AKI Part Number 1-0004 1LM 318N I-0019 1-0001 1A 74N 1HC 14050 1HC 14050 1HC 14053 IHC 14315 1HC 14315 1HC 14315 1HC 14305 1HC 7915 QC 1384 Q QA 684 Q QC 815 BL QA 1015GR PN-0054 PN-0168 PN 151588 PNSM 1-02 PN KB-265 R Q2 K 117 BL R	
171         Defference Humber         1C15         1C12~14.16         IC9~/11         IC4~7         IC8         IC2         IC1         IC3         IC19         IC17         Q 1.3         Q 2.4         Q 5.6         Q 7         D10         D9         D10         D14.15.7         D16.17         Q.8	17         CON           Description         NE 5534 AN           LM318 N         NE 5532N           NIM359 D E         SN 74 74 N           MC 14050 BCP         HC 14050 BCP           HC 14069 UBCP         HC 14 023 BCP           MC 14305 H         MPC 14315 H           MPC 14305 H         MPC 14305 H           MPC 14305 H         SC 1384 Q           2SC 1384 Q         2SA 6840           2SC 1384 Q         SSA 1015GR           RD 22 EBI         RD 33 EB2           IS 1588         SM - 1A - 02           KB-265         25K 1/17 BL = FG1           ZSK 362 BL Gr G1         G	0TAKI Part Number 1-0004 ILM 318N I-0019 1-0001 1A 74N IHC 14050 IHC 14050 IHC 14023 IHC 14315 IHC 14315 IHC 14305 IHC 7915 QC 1384 Q QA 684 Q QC 1815 BL QA 1015 GR PN-0054 PN-0168 PN 151588 PNSM 1-02 PNKB-265 R Q2K 117 BL R	
777         Defference Humber         1C 15         1C 12~14.16         IC 9~/1         IC 4~7         IC 8         IC 2         IC /         IC 3         IC 19         IC 17         Q 5.6         Q 7         D10         D9         D10         D9         D14.15.7         D 16.17         Q.8         DRAWN         D272=8191         DESIGNED	17         CON           Description         NE 5534 AN           LM318 N         NE 5532N           NJ14559 D F         SN 74 74 N           MC 14050 BCP         HC 14050 BCP           MC 14050 BCP         HC 14050 BCP           MC 14050 BCP         HC 14 023 BCP           MC 14315 H         LPC 14315 H           LPC 14305 H         LPC 1795 H           2SC 1384 Q         2SC 1384 Q           2SA 684 Q         2SC 1815 BL           2SA 1015 GR         RD 33 E82           IS 1588         SM - 1A - 02           KB - 265         25K 117 BL = 64           ZSK 362 8 L = 64         G	07AKI Part Number 1-0004 1LM 318N I-0019 1-0001 1A 74N 1HC 14050 1HC 14050 1HC 14053 IHC 14315 1HC 14315 1HC 14315 1HC 14305 1HC 7915 QC 1384 Q QA 684 Q QC 815 BL QA 1015GR PN-0054 PN-0168 PN 151588 PNSM 1-02 PN KB-265 R Q2 K 117 BL R	
777         Defference Humber         1C 15         1C 12~14.16         IC 9~/1         IC 4~7         IC 8         IC 2         IC 1         IC 3         IC 19         IC 17         Q 5.6         Q 7         D10         D9         D10         D9         D14.15.7         D 16.17         Q.8         ORAWN       2.372= 8191         DESIGNED          CHECKED       {151.21	17       CON         Description       NE 5534 AN         LM 318 N       NE 5532N         NJH4559 D F       SN 74 74 N         MC 14050 BCP       MC 14050 BCP         MC 14050 BCP       MC 14050 BCP         MC 14050 BCP       MC 14050 BCP         MC 14050 BCP       MC 1435 H         MPC 14315 H       MPC 14305 H         MPC 7915 H       2SC 1384 Q         2SC 1384 Q       2SA 684 Q         2SA 684 Q       2SC 1815 BL         2SA 1015GR       RD 22 EB1         RD 33 E82       1S 1588         SM - 1A - 02       KB - 265         2SK 117 BL = F41       2SK 362 BL & F41         Z       DITARD	01Aki Parl Number 1-0004 1LM 318N 1-0019 1-0001 1A 74 N 1HC 14050 JHC 14050 JHC 14053 IHC 14315 1HC 14315 1HC 14305 IHC 7915 QC 1384 Q QA 684 Q QC (815 BL QA 1015 GR PN-0054 PN-0054 PN-0168 PN 151588 PNSH 1-02 PNKB-265 R 02K H7 BL R	
171         Defference Humber         1C.15         1C.12~14.16         IC.9~11         IC4~7         IC2         IC1         IC3         IC1         IC3         IC1         IC3         IC19         IC19         IC17         Q.1.3         Q.2.4         Q.5.6         Q.7         D10         D9         D10         D9         D14.15.7         D16.17         Q.8         DRAWN       2372-81.41         DESIGNED	17         CON           Description         NE 5534 AN           LM 318 N         NE 5532N           NJH4559 D F         SN 74 74 N           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 14050 BCP           MC 14050 BCP         MC 1435 H           MC 1435 H         MPC 14315 H           MPC 14315 H         MPC 7915 H           2SC 1384 Q         2SA 684 Q           2SA 684 Q         2SC 1815 BL           2SA 1015GR         RD 22 EBI           RD 33 EB2         15 15 88           SM - 1A - 02         KB - 265           2SK /17 BL = FGI         ESK 362 BL = GFGI           Z         DITARBUT           Z         DITARBUT           Z         DITARBUT           Z         DITARBUT           Z         NAME           BIAS CONTRU           PART NO.	OTAKI Part Number 1-0004 1LM 318N 1-0019 1-0001 1A 74 N 1HC 14050 JHC 14050 JHC 14053 IHC 14315 1HC 14315 1HC 14305 IHC 14305 IHC 7915 QC 1384 Q QA 684 Q QC (815 BL QA 1015 GR PN-0054 PN-0054 PN-0168 PN 151588 PNSH 1-02 PN KB-265 R G2K H7 BL R Otari Electric Co,Ltd DL PCB ASSY	
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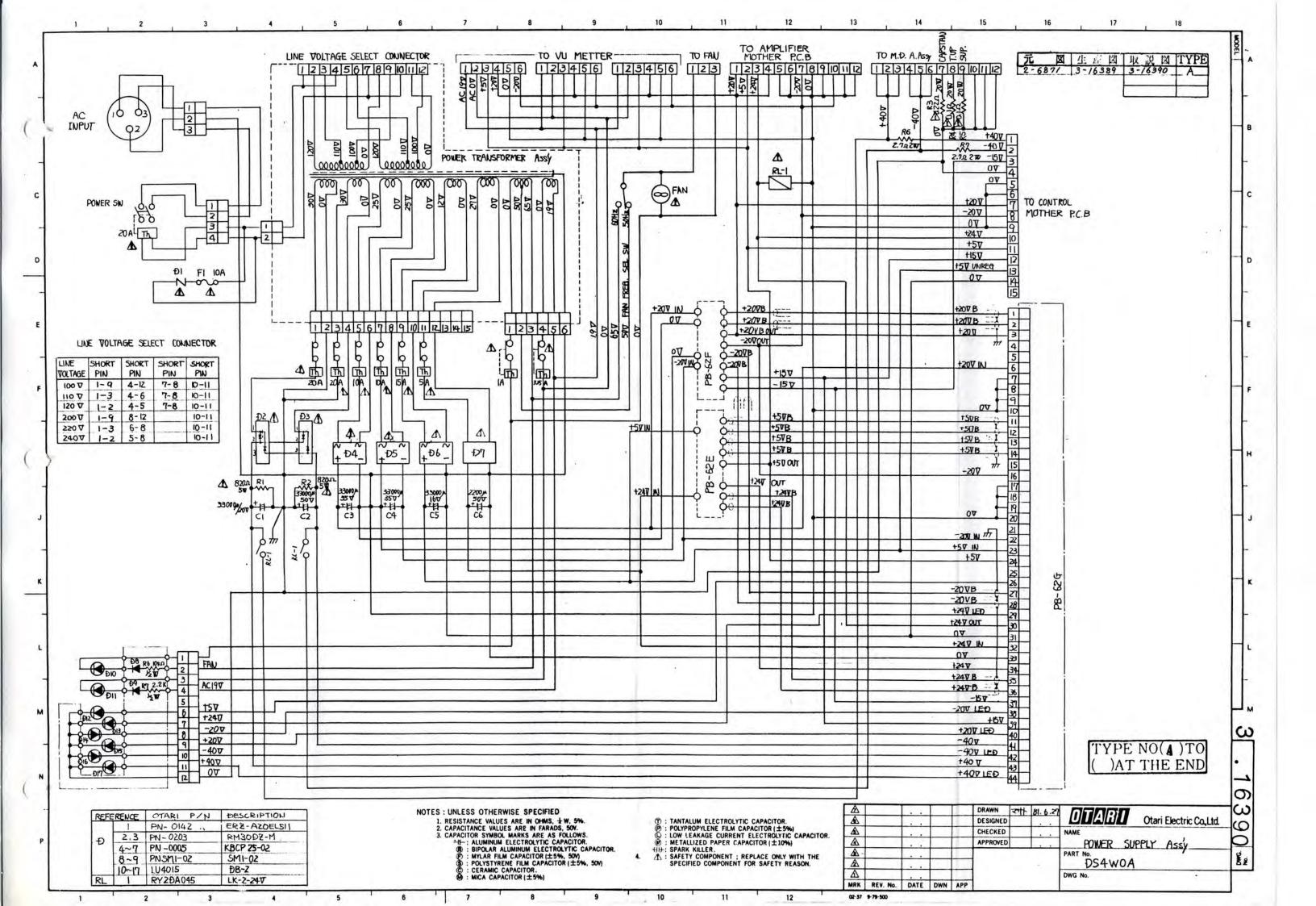
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	SW 7 WRT UKAT 2	+	6 04	$+ \parallel$	CN/1	24 CMA			F1			SEARNO ON			83	-+-		57			J +5V -D 1804 -D 1804	_	+
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A10	004		8 00 9 see A	10 010		9 10		14	THA J THB 4	A#2 810	A- CHA AIS	CN26	ANDAR	20 20	HED TH	A10 0.00	1 000	079 01N	-DAID	Larger C	TAST STATE		4000
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	037		-11 A1		NIN	1516 7510		CN4-ABJ	TH D 6		CNA-ATS	1123		N CN	26 INOTH	1-	CNEE	CN21	19_	ΗJ		1011/0	H
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	05 11		-1 D1	-	ΠГ	1376	T	+51 30	HT 7 40		49 1115 47 120 A 43 10 F	1167	1	CANA -	ACT IS TO IS	2	Dent 2 Dent 3	TAY 4		0	A 12	CNEI	H
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	REW 4		-7 D5			REC HOLD		A- CHS-ASE	9 16	H	-J5 EMIN	BA 1 13-			R03 R05	-0.	18 50	1 4.401.01		TP.	10 SPOT. 1		-
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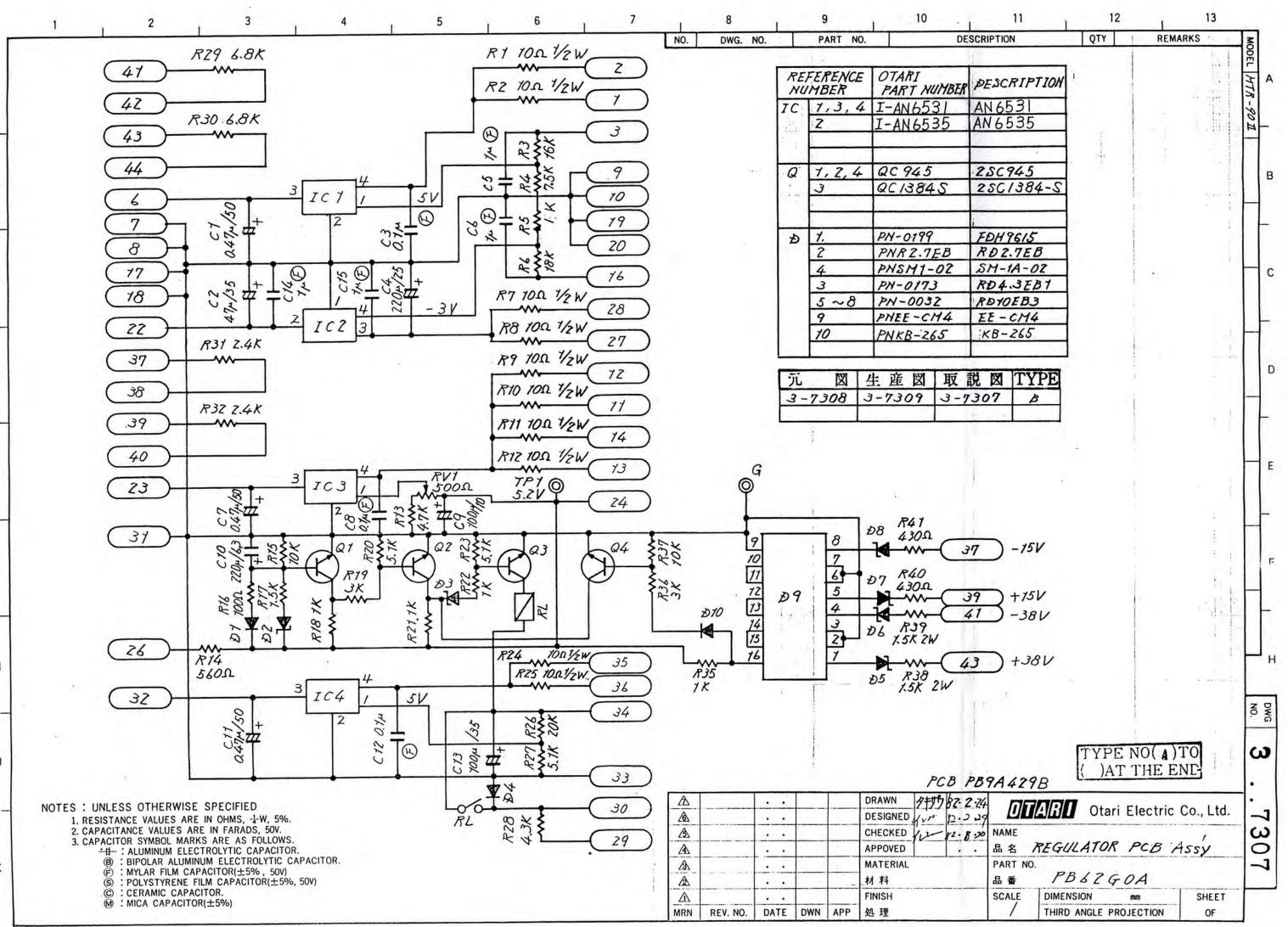
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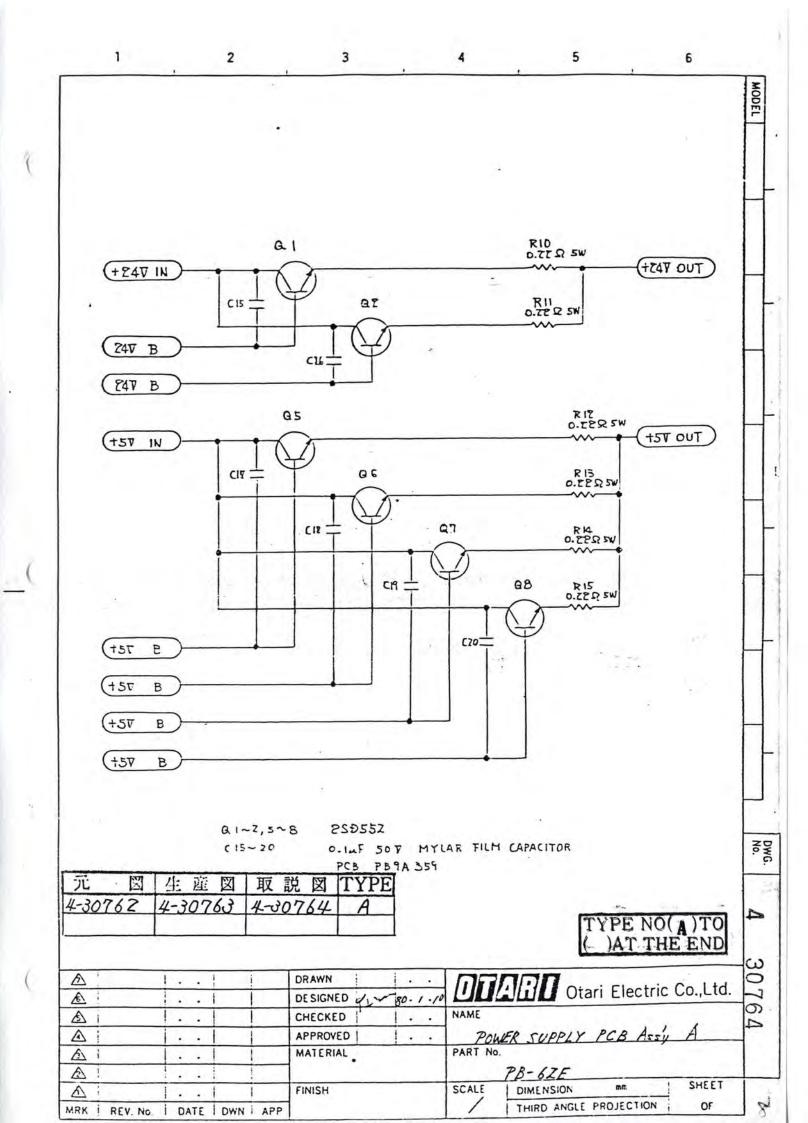
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02-37 9.81,2500



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(TLOV IN)-	TIA	1)				-(+ZOV OUT)
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· · ·	1		1	PAWER SU RT NO.		BASSY B
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