MACHINE HISTORY

Machine Type 0729 B0 2

Serial Number 52 06810

B/M	FEATURE	CODE
8 023 700	BASIC MACHINE	BASIC
[redacted]	[redacted]	[redacted]
8 023 724	GERMAN LANGUAGE	GE
539 655	BLUE COLOR ACCENT	BL
[redacted]	[redacted]	[redacted]

	CHANGE N°	DESCRIPTION	CODE	~~E.C.~~ BM
1	85224	Power Supply W.D.	BASIC	
2	85814	W.D. Release	BASIC	
3	85645	Machine improve	BASIC	
4		ECR 90021		
5		ECR 90028		
6		~~ECR 90022~~		
7		~~ECR 45292~~		
8	86178	TAPE TWISTING	BASIC	
9	85987	HEAD UP IMPROVEMENT	BASIC	
10	86 363	Elim Tim Differ	LOGIC	
11	86 363 A	Elim Tim Differ	LOGIC	
12	85 896	Photo Cell Asm	MECHA	
13	86 475	Vac Sw Improvem	BASIC	
14	86 470 V	Tapo Reel Latch	BASIC	
15	86507	-REDUC NEUT CURR	BASIC	
16	86086	METER LOGIC	LOGIC	
17	86720	NEW AUTOTRANSFO	BASIC	
~~17~~	~~86995~~	~~ASSYM IMPROVEM~~	~~BASIC~~	
18	86407	WRITE ÉCHO		
19	86995	ASSYM IMPROVEM	BASIC	
	87441	Capstan out delay MASCH. IPROVEMENT	LOGIC	8 027 182
	731177	SMS	LOGIC	

SYSTEM DIAGRAMS

0729 B

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JT	DESCRIPTION	INDEX	PART N°
85814	REFERENCE PAGE	RA 10 10 0	5 344 822
85205	REFERENCE PAGE TS	RA 10 11 0	5 344 943
85205	TAPE SWITCHING	RA 10 12 1	5 344 942
85814	TC CONNECTOR RECEPTACLE	RA 10 20 0	5 344 820
85645	WRITE HEAD CABLE CHART	RA 10 30 0	5 344 821
~~85814~~ 86363 A	CIRCUIT PROTECTOR CHART	RA 10 40 0	8 026 479
ECR 90028 ~~85814~~ 86507	COMPONENT LOCATION CHART	RA 10 50 0	8 026 480
85814 ECR 90028	COMPONENT LOCATION CHART	RA 10 60 0	8 026 481
85645	CIRCUIT CARD LOCATION CHART	RA 10 70 0	8 026 482
85814	EDGE CONNECTOR - TERMINAL BOARD	RA 10 80 0	8 026 483
~~85814~~ 86363	SELECT LINE - SMS VOLT DISTRIB	RA 30 00 1	5 344 815
85645	PROCESS METER BOX - SMS LOGIC	RA 30 05 1	8 026 489
85814	DENSITY HS AREA	RA 30 10 1	8 026 477
85814 ECR 90021	LOAD POINT - TAPE INDICATE	RA 30 20 1	5 344 803
85814	SEL + RDY - WRITE BUS - REW UNL	RA 30 30 1	5 344 804
~~85814~~ 86363	SEL + RDY READ WRITE STATUS	RA 30 40 1	5 344 805
85814	WRITE PULSE DELAY LINE	RA 30 50 1	5 344 806
86995 ~~ECR 90021~~	WRITE CIRCUITS	RA 30 60 1	5 344 807
85814	READ PREAMPS	RA 30 70 1	5 344 808
86995	GO CONTROL	RA 30 80 1	8 026 478
85645	PROLAY CONTROL LOGIC	RA 30 90 1	5 344 810
85814 ~~ECR 90029~~	RELAYS LOGIC	RA 40 15 1	8 026 484
85645	RELAYS LOGIC	RA 40 25 1	8 026 485
85814	RELAYS LOGIC	RA 40 35 1	5 344 813
85814 ECR 90028	RELAYS LOGIC	RA 40 45 1	8 026 486
~~85814~~ 86507	PROLAYS CONTROL	RA 40 55 1	8 026 487
85814	GROUND DISTRIBUTION	RA 40 65 1	5 344 816
85814	-48 VOLT DISTRIBUTION	RA 40 75 1	5 344 817
~~85814~~ 86720	MOTOR CIRCUIT	RA 40 85 1	2085975 ~~8 026 488~~
85224	POWER SUPPLY	RA 95 00 0	8 023 830
85224	12 VDC REGULATOR	RA 95 10 0	5 344 884
85224	6 VDC REGULATOR	RA 95 20 0	5 344 883
86363 A	TESTER	RA 85 10 0	5 344 929

SYSTEM DIAGRAMS

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0729 B

SERIAL N° 06810

DESCRIPTION	INDEX	PART N°	B II	B IV	B V	B VI
SMS CARD		348 542	x	x		
PREAMPLIFIER LH	ACX	370 099	x			
PREAMPLIFIER L3	ACW	370 100	x			
TWO WAY INVERTER	TAU	370 129	x	x	x	x
DISTRIBUTED LINE TERMINATOR	TCJ	370 333	x	x	x	x
AC PHOTO AMPLIFIER	YAW	370 452	x	x	x	x
CONVERTER P LINE TO S LINE	APF	370 640	x	x	x	x
CONVERTER S LINE TO N LINE	APG	370 641	x	x	x	x
CONVERTER S LINE TO P LINE	APH	370 642	x	x	x	x
WRITE CURRENT BALANCE	YEU	370 668			x	x
PREAMPLIFIER N°1	ALZ	370 680				x
PREAMPLIFIER N°2	APZ	370 681				x
RESISTOR + SUPPRESSOR	YHM	370 701	x	x	x	x
PREAMPLI N°1	ARK	370 706			x	
PREAMPLIFIER L2	ARL	370 707			x	
INVERTER N TYPE	CD	371 029	x	x	x	x
EMITTER FOLLOWER PNP	CEYB	371 032	x	x	x	x
CONTROL TRIGGER	AR	371 034	x	x	x	x
GATED SAMPLE PULSE DRIVER	AYWS	371 041	x	x	x	x
DRIVER 2 PROLAY	BKWZ	371 432	x	x	x	x
DRIVER 2 PROLAY	BKVZ	371 433	x	x	x	x
DELAY LINE DISTRIB	BP	371 439		x		x
INVERTER - POWER PNP	MH	371 487	x	x	x	x
DRIVE FUNCTIONAL COIL	MD	371 497	x	x	x	x
INVERTER - N TWO WAY	MX	371 661	x	x	x	x
CTRL INTEGR. DIODE INPUT NEG.	NM	371 666	x	x	x	x
HEAD DRIVER + ECHO PULSE AMP.	LZ	371 674	x	x	x	x
ALLOY DELAY LINE	RP	371 749	x		x	
DRIVER RELAY 2,5 AMP.	WB	371 880	x	x	x	x
PREAMPLIFIER ALLOY N°1	AFA	371 925		x		
PREAMPLIFIER N°2	ABK	371 926		x		
THREE WAY INVERTER	DAC	371 951	x	x	x	x
CONVERTER N LINE TO S LINE	AUC	372 160	x	x	x	x
CONVERTER S LINE TO N LINE	AUD	372 161	x	x	x	x
WRITE CURRENT BALANCE N° 2	AUS	372 266			x	x
CAPACITOR CARD		556 981	x	x	x	x
INTEGRATOR CARD		8 023 359	x	x	x	x
METER CARD		372688	x	x	x	x

8023314
Machine No. 729-2

20.7.63 JT 84735. JT 84837.

JT [illegible] 900034

CIRCUIT CARD LOCATION CHART

RUN 7101

FRAME 00 GATE A PANEL 3

	A	B	C	D	E	F	G	H	J	K
01										
02										
03			MX-- 0371661 TU.09.10.1 1A TU.09.10.1 3 A TU.09.10.1 3 C TU.09.10.1 5D	CD-- 0371029 TU.09.25.1 4A TU.09.25.1 5 A TU.09.55.1 5 E	BKVZ 0371433 TU.08.10.1 2B		NM-- 0371666 TU.11.00.1 1B TU.11.00.1 2A TU.11.00.1 2B			556981 TU95.00.2 CAPACITOR CARD
04	WB-- 0371880 TU.09.50.2 1A		MX-- 0371661 TU.09.10.1 1B TU.09.10.1 2C TU.09.15.1 2E TU.09.15.1 3F	MX-- 0371661 TU.08.00.1 2F TU.09.25.1 4B TU.09.45.1 2C TU.09.55.1 2C			NM-- 0371666 TU.11.00.1 1D TU.11.00.1 1E TU.11.00.1 2D TU.11.00.1 2E			
05			CD-- 0371029 TU.09.10.1 3B TU.09.10.1 5A TU.09.10.1 5B TU.09.15.1 2B	CD-- 0371029 TU.09.25.1 5E TU.09.25.1 5F TU.09.25.1 5G	YAW-- 0370452 TU.09.55.1 4B					
06	WB-- 0371880 TU.09.50.2 1B		CEYB 0371032 TU.09.10.1 2A TU.09.15.1 3D TU.09.15.1 4B TU.09.25.1 3F 2	MX-- 0371661 TU.09.60.1 1C TU.09.25.1 3C TU.09.25.1 4F TU.09.25.1 4G 5	YAW-- 0370452 TU.09.55.1 5D					TG 8023359 TU.11.00.1 1A
07			MX-- 0371661 TU.09.10.1 1G TU.09.10.1 1H TU.09.10.1 2F TU.09.10.1 2G TU.09.30.1 4H							
08	WB-- 0371880 TU.09.50.2 2C		MX-- 0371661 TU.09.10.1 3F TU.09.10.1 4F TU.09.10.1 4G TU.09.35.1 2H	CEYB 0371032 TU.09.25.1 3A TU.09.25.1 3B TU.09.30.1 2G TU.09.30.1 3A 2	DAC- 0371951 TU.09.55.1 3E TU.09.55.1 3F TU.09.55.1 4D					
09			DAX - 0370084 TU.09.15.1 3A TU.09.15.1 1B TU.09.15.1 1D TU.09.55.1 1C 5	MH- 0371487 TU.09.25.1 1C TU.09.30.1 2F TU.09.40.1 5F TU.09.40.1 5G	MX- 0371661 TU.08.00.1 4H TU.09.55.1 3H TU.09.55.1 31 TU.09.55.1 4F					
10	WB -- 0371880 TU.09.50.2 1C		MX-- 0371661 TU.09.15.1 TU.09.15.1 TU.09.15.1 TU.09.15.1 TU.09.55.1	MX -- 0371661 TU.09.30.1 1C TU.09.30.1 2C TU.09.30.1 4F TU.09.30.1 4G 5						
11			MH-- 0371487 TU.09.15.1 1C TU.09.15.1 2A TU.09.15.1 2G TU.09.15.1 3E	MX-- 0371661 TU.09.30.1 3E TU.09.30.1 4E TU.09.35.1 5G TU.09.35.1 5H						
12	WB-- 0371880 TU.09.50.2 2D	MD 0371497 TU.09.45.1 1D	MX-- 0371661 TU.09.10.1 5F TU.09.15.1 4A TU.09.15.1 4F TU.09.15.1 5A	MX-- 0371661 TU.09.35.1 2E TU.09.35.1 3G TU.09.35.1 4G TU.09.35.1 4H 5				MX-- 0371661 TU.08.00.1 1B TU.08.00.1 4G TU.08.00.1 1D TU.09.50.1 5C	APH- 0370642 TU.08.10.1 5A TU.08.10.1 5B TU.08.10.1 5C TU.08.10.1 5D	
13			CD-- 0371029 TU.09.15.1 3G TU.09.15.1 4D TU.09.15.1 5B	MX-- 0371661 TU.09.35.1 1F TU.09.35.1 2F TU.09.35.1 3A TU.09.50.2 4H 5				TAU- 0370129 TU.08.00.1 2H TU.08.00.1 4F TU.09.55.1 4E TU.09.55.1 2E	APH- 0370642 TU.08.10.1 3B TU.08.10.1 5E TU.08.10.1 5F TU.08.10.1 2C	
14	WB-- 0371880 TU.09.50.2 1D	WB-- 0371880 TU.09.55.1 51	MX-- 0371661 TU.09.15.1 4C TU.09.15.1 4E TU.09.15.1 4H TU.09.15.1 5E					MX-- 0371661 TU.08.00.1 2A TU.08.00.1 4A TU.08.00.1 4B TU.09.55.1 1E 5	APG- 0370641 TU.08.10.1 2A TU.08.10.1 4G TU.08.10.1 4H TU.08.10.1 41	

8 023 314
MACHINE NO 729-2 20-7-63 JT 84 735 JT 84894 JT 85593B 900034

CIRCUIT CARD LOCATION CHART
RUN 7101

TU.04.11.0
FRAME 00 GATE A PANEL 3
SHEET 2 OF 2

	A	B	C	D	E	F	G	H	J	K
15			MX-- 0371661 TU.09.20.1 1E TU.09.20.1 3D TU.09.20.1 5A TU.09.20.1 5B 5	MX-- 0371661 TU.09.35.1 2B TU.09.35.1 4C TU.09.35.1 5D TU.09.35.1 5F				MX-- 0371661 TU.08.00.1 2B TU.08.00.1 2C TU.08.00.1 4C TU.09.55.1 1D 5	APE- 0370639 TU.08.00.1 3A TU.08.00.1 3B TU.08.00.1 5A TU.08.00.1 5B	
16	WB-- 0371880 TU.09.50.2 2E	MD-- 0371497 TU.07.10.1 2B TU.09.55.1 1F TU.09.60.1 1B	MX-- 0371661 TU.09.20.1 2B TU.09.20.1 3B TU.09.20.1 3C TU.09.20.1 4D 5	MX-- 0371661 TU.09.35.1 5E TU.09.55.1 5C TU.09.40.1 3D TU.09.40.1 4D 5				MX-- 0371661 TU.08.00.1 2D TU.08.00.1 4D TU.08.00.1 4E TU.09.15.1 1E 5	APE- 0370639 TU.08.00.1 3C TU.08.00.1 3D TU.08.00.1 5C TU.08.00.1 5D	
17			MX-- 0371661 TU.09.20.1 3F TU.09.20.1 4E TU.09.20.1 5C TU.09.20.1 5G 5	CD-- 0371029 TU.09.40.1 2A TU.09.40.1 2B TU.09.40.1 3E 5				MX-- 0371661 TU.08.00.1 2E TU.08.00.1 2G TU.09.55.1 3C TU.08.10.1 4B 5	APE- 0370639 TU.08.00.1 3E TU.08.00.1 3F TU.08.00.1 5E TU.08.00.1 5F	
18	WB-- 0371880 TU.09.50.2 2F	MD-- 0371497 TU.09.15.1 1A TU.09.15.1 2D TU.09.60.1 1F	CD-- 0371029 TU.09.20.1 4F TU.09.20.1 5E TU.09.20.1 5F	MX-- 0371661 TU.09.45.1 3D TU.09.45.1 2D TU.09.45.1 4C TU.09.35.1 3F		CD-- 0371029 TU.09.65.1 TU.09.65.1 TU.09.65.1			APE- 0370639 TU.08.00.1 1G TU.08.00.1 1H TU.09.65.1 3 4	
19			CEYB 0371032 TU.08.10.1 TU.09.20.1 TU.09.20.1 TU.09.20.1 TU.09.35.1 2	CD-- 0371029 TU.09.35.1 3B TU.09.35.1 5C TU.09.50.1 4C 4					APF- 0370640 TU.08.00.1 1A TU.08.00.1 5G	
20	WB-- 0371880 TU.09.50.2 2G	MD-- 0371497 TU.09.45.1 2E TU.07.10.1 4A TU.09.55.1 5H	MX-- 0371661 TU.09.45.1 2B TU.09.45.1 4B TU.09.45.1 5B TU.09.45.1 5E	CD-- 0371029 TU.09.45.1 3B TU.09.45.1 5C TU.09.45.1 5I	CD-- 0371029 TU.09.45.1 5G TU.09.55.1 3B TU.09.55.1 4A			HW-- 0371048 TU.07.10.4 4A TU.07.10.4 4B TU.07.10.4 4C TU.07.10.4 4D	APF- 0370640 TU.08.00.1 1C TU.08.00.1 3H	
21			MX-- 0371661 TU.09.45.1 3E TU.09.45.1 3H TU.09.45.1 4I TU.09.45.1 5H	MX-- 0371661 TU.09.15.1 5C TU.09.45.1 4G TU.09.45.1 5D TU.13.00.1 1A	MX-- 0371661 TU.07.10.1 TU.09.55.1 TU.09.55.1 TU.09.55.1 TU.09.45.1			HW-- 0371048 TU.07.10.4 4E TU.07.10.4 4F TU.07.10.4 4G TU.07.10.4 4H	APF- 0370640 TU.08.00.1 1E TU.08.00.1 5H	
22	WB-- 0371880 TU.09.50.2 1G	MD-- 0371497 TU.09.45.1 1B TU.09.45.1 2H TU.09.45.1 2I	CD-- 0371029 TU.09.50.1 3A TU.09.50.1 3H TU.09.50.1 5E 5	MX-- 0371661 TU.09.50.1 2F TU.09.50.1 3E TU.09.50.1 4A TU.09.50.1 4D		AK-- 0371241 TU.07.10.1 1B	AYWS 0371041 TU.07.10.2 5G	AR-- 0371034 TU.07.10.2 4G	LZ-- 0371674 TU.07.10.2 3G	
23			MX-- 0371661 TU.09.50.1 4E TU.09.50.1 5D TU.09.50.1 5F TU.09.50.1 5G 5	CEYB 0371032 TU.09.20.1 TU.09.20.1 TU.09.50.1 TU.09.50.1 TU.08.10.1 2		APG- 0370641 TU.07.10.1 1A 2 3 4	AYWS 0371041 TU.07.10.2 5F	AR-- 0371034 TU.07.10.2 4F	LZ-- 0371674 TU.07.10.2 3F	
24	WB-- 0371880 TU.09.50.2 2H	MD-- 0371497 TU.09.15.1 1G TU.09.35.1 1B TU.09.45.1 2A	MX-- 0371661 TU.09.50.2 3D TU.09.50.2 3E TU.09.50.2 4E TU.09.50.2 4I	MH-- 0371487 TU.09.40.1 1B TU.09.40.1 2E TU.09.50.1 1A TU.09.50.1 1E		MH-- 0371487 TU.07.10.1 2A TU.07.10.1 3A TU.07.10.1 3B TU.07.10.1 4C	AYWS 031041 TU.07.10.2 5E	AR-- 0371034 TU.07.10.2 4E	LZ-- 0371674 TU.07.10.2 3E	0348542 TU.07.10.2 2A TU.07.10.2 2B TU.07.10.2 2C TU.07.10.2 2D
25			MX-- 0371661 TU.09.60.1 3B TU.09.60.1 3C TU.09.60.1 4B TU.09.60.1 5H 5	MX-- 0371661 TU.09.50.2 4C TU.09.50.2 5E TU.09.60.1 2G TU.09.60.1 2C 5		APE- 0370639 TU.08.10.1 2I TU.07.10.1 4H TU.07.10.1 4I 4	AYWS 0371041 TU.07.10.2 5D	AR-- 0371034 TU.07.10.2 4D	LZ-- 0371674 TU.07.10.2 3D	
26	WB-- 0371880 TU.09.50.2 2I	MD-- 0371497 TU.09.30.1 1F TU.09.35.1 1G TU.09.40.1 1C	MX-- 0371661 TU.09.60.1 2B TU.09.60.1 2F TU.09.60.1 3F TU.09.60.1 5A 5	MX-- 0371661 TU.09.60.1 3G TU.09.60.1 4G TU.09.60.1 5D TU.09.60.1 5E 5		APE- U370639 TU.07.10.1 2G TU.07.10.1 2H TU.07.10.1 4F TU.07.10.1 4G	AYWS 0371041 TU.07.10.2 5C	AR-- 0371034 TU.07.10.2 4C	LZ-- 0371674 TU.07.10.2 3C	0348842 TU.07.10.2 2E TU.07.10.2 2F TU.07.10.2 2G
27			MX-- 0371661 TU.13.90.1 2A TU.13.00.1 3B TU.13.00.1 5C TU.13.00.1 5D	CD-- 0371029 TU.13.00.1 3C TU.1300.1 4C TU.13.00.1 4D		RP-- 0371749 TU.07.10.1 5D	AYWS 0371041 TU.07.10.2 5B	AR-- 0371034 TU.07.10.2 4B	LZ-- 0371674 TU.07.10.2 3B	
28	YHM- 0370701 TU.09.20.1 TU.09.25.1 TU.09.50.2 TU.09.55.1	MD-- 0371497 TU.09.20.1 2F TU.09.25.1 2F TU.09.40.1 1E	QG-- NOTE 0371679 TU.13.00.1 5B	QH-- NOTE 0371680 TU.13.00.1 2E		RP-- 0371749 TU.07.10.1 5E	AYWS 0371041 TU.07.10.2 5A	AR-- 0371034 TU.07.10.2 4A	LZ-- 0371674 TU.07.10.2 3A	

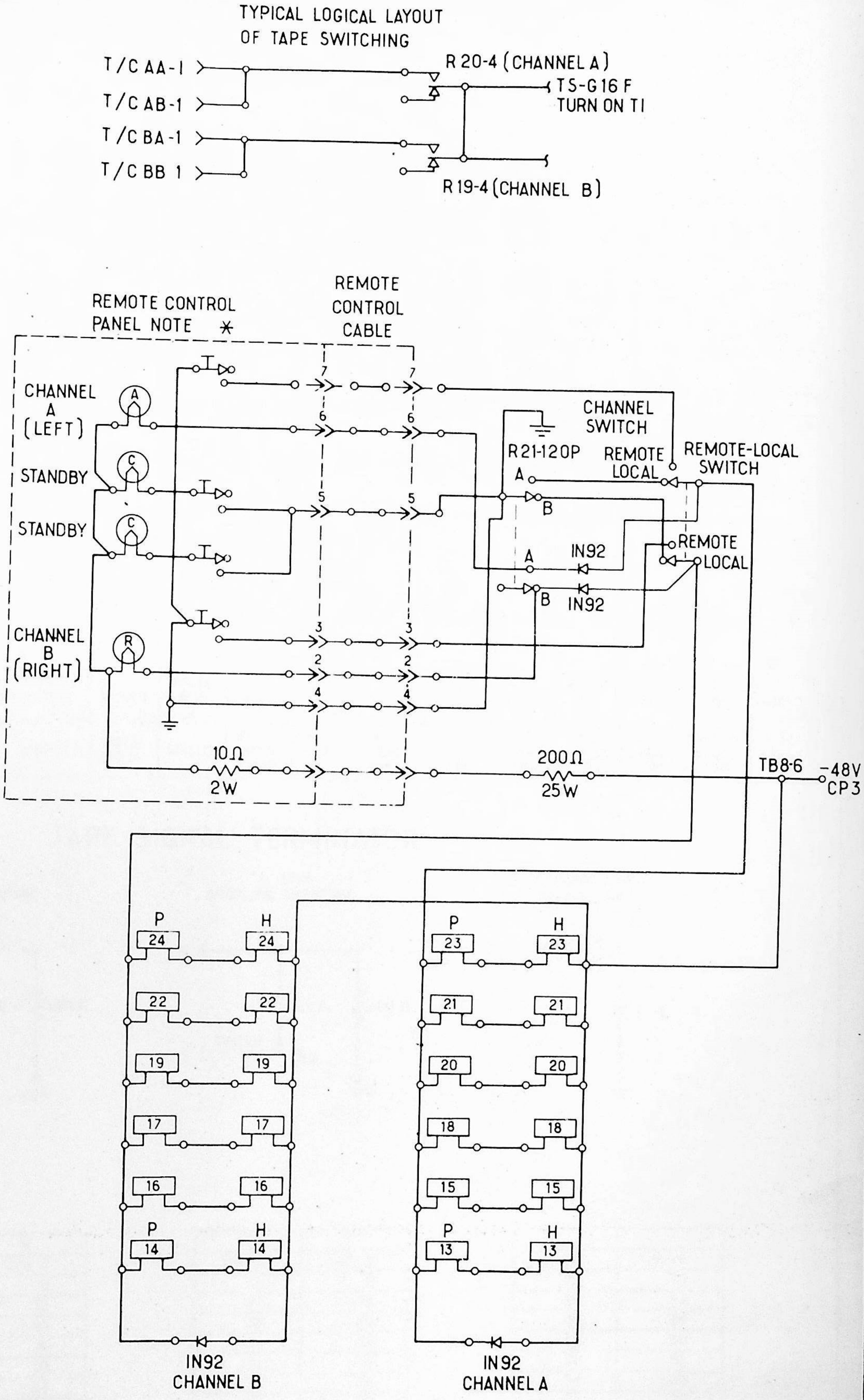
T/C/ SIGNAL	LINE NAME		PAGE	LOCATION	BLOCK	T/C/ SHIELD
1	-N TURN ON TI	FROM TAU	RA.30/20.1	G14C	5F	2
7	-N BKWD	FROM TAU	RA.30.80.1	G17R	5A	8
9	-N START RWD	FROM TAU	RA.30.30.1	G17D	4B	10
11	-N SET WR STAT	FROM TAU	RA.30.40.1	G17C	5E	12
43	-N SET LO DENS	FROM TAU	RA.30.10.1	G14R	5A	44
194	-N WR CK CHAR	FROM TAU	RA.30.50.1	F05D	5A	195
196	-N WR PULSE	FROM TAU	RA.30.50.1	F04R	5B	197
3	+P TURN OFF TI	FROM TAU	RA.30.20.1	F17A	5H	4
5	+P GO	FROM TAU	RA.30.80.1	F17 C	5I	6
13	+P SET RD STAT	FROM TAU	RA.30.40.1	F15C	5C	14
39	+P RWD + UNLD	FROM TAU	RA.30.30.1	F16C	5A	40
41	+P SET HI DENS	FROM TAU	RA.30.10.1	F15A	5B	42
23	-N SEL + TI ON	TO TAU	RA.30.20.1	G11G	1C	22
25	-N SEL + TI OFF	TO TAU	RA.30.20.1	G11E	1H	24
37	-N SEL + RWD	TO TAU	RA.30.40.1	G11F	1C	38
192	-N WR ECHO	TO TAU	RA.30.60.1	G11D	1I	193
21	+P SEL + RDY M4	TO TAU	RA.30.30.1	G12E	1C	20
27	+P SEL + LP	TO TAU	RA.30.20.1	G08G	1C	26
29	+P SEL + NOT LP	TO TAU	RA.30.20.1	G08E	1D	28
31	+P SEL + RDY M2	TO TAU	RA.30.30.1	G12E	1C	32
33	+P SEL RDY + RD	TO TAU	RA.30.40.1	G08D	1F	34
35	+P SEL RDY + WR	TO TAU	RA.30.40.1	G08F	1E	36
47	+P HI DENS	TO TAU	RA.30.10.1	G12G	2C	46
115	+P SEL RDY M5 M6	TO TAU	RA.30.30.1	G12D	3C	114
77	+P SEL TU 0	FROM TAU	RA.30.00.1	SEL SW A0		76
79	+PSEL TU 1	FROM TAU	RA.30.00.1	SEL SW A1		78
86	+P SEL TU 2	FROM TAU	RA.30.00.1	SEL SW A2		87
88	+P SEL TU 3	FROM TAU	RA.30.00.1	SEL SW A3		89
97	+P SEL TU 4	FROM TAU	RA.30.00.1	SEL SW A4		96
99	+P SEL TU 5	FROM TAU	RA.30.00.1	SEL SW A5		98
106	+P SEL TU 6	FROM TAU	RA.30.00.1	SEL SW A6		107
108	+PSEL TU 7	FROM TAU	RA.30.00.1	SEL SW A7		109
117	+P SEL TU 8	FROM TAU	RA.30.00.1	SEL SW A8		116
119	+P SEL TU 9	FROM TAU	RA.30.00.1	SEL SW A9		118
82	RD BUS 1	TO TAU	RA.30.70.1	F20H	1A	83
84	RD BUS 2	TO TAU	RA.30.70.1	F21H	1B	85
93	RD BUS 4	TO TAU	RA.30.70.1	F22H	1C	92
95	RD BUS 8	TO TAU	RA.30.70.1	F23H	1D	94
102	RD BUS A	TO TAU	RA.30.70.1	F24H	1E	103
104	RD BUS B	TO TAU	RA.30.70.1	F25H	1F	105
113	RD BUS C	TO TAU	RA.30.70.1	F26H	1G	112
122	RD BUS X					123
124	RD BUS Y					125
172	-N WR BUS 1	FROM TAU	RA.30.30.1	F03C	3E	171
174	-N WR BUS 2	FROM TAU	RA.30.30.1	F03G	2F	173
176	-N WR BUS 4	FROM TAU	RA.30.30.1	F03R	4F	175
178	-N WR BUS 8	FROM TAU	RA.30.30.1	F04C	3G	177
180	-N WR BUS A	FROM TAU	RA.30.30.1	F04G	2H	179
182	-N WR BUS B	FROM TAU	RA.30.30.1	F03D	4H	181
184	-N WR BUS C	FROM TAU	RA.30.30.1	F04D	3I	183
188	WR BUS X					189
190	WR BUS Y					191

TAPE SWITCHING

T/C/ SIGNAL	LINE NAME	CHANNEL A	CHANNEL B	T/C/ SHIELD	CHANNEL A	CHANNEL B
1	-N TURN ON TI	R 20.04	R 19.04	2	R-----	R-----
7	-N BKWD	R 20.02	R 19.02	8	R 20.01	R 19.01
9	-N START RWD	R 20.07	R 19.07	10	R 20.06	R 19.06
11	-N SET WR STAT	R 20.03	R 19.03	12	R -----	R-----
43	-N SET LO DENS	R 20.05	R 19.05	44	R -----	R -----
49	-N PROCESS-M-	R 21.2	R 22.12	48	R 21.1	R 22.11
194	-N WR CK CHAR	R 20.08	R 19.08	195	R -----	R -----
196	-N WR PULSE	R 23.10	R 24.10	197	R -----	R -----
3	&P TURN OF TI	R 18.08	R 17.08	4	R 18.07	R 17.07
5	&P GO	R 18.10	R 17.10	6	R 18.09	R 17.09
13	&P SET RD STAT	R 20.10	R 19.10	14	R 20.09	R 19.09
39	&P RWD & UNLD	R 18.11	R 17.11	40	R-----	R -----
41	&P SET HI DENS	R 18.12	R 17.12	42	R -----	R -----
23	-N SEL & TI ON	R 18.02	R 17.02	22	R 18.01	R 17.01
25	-N SEL & TI OFF	R 18.04	R 17.04	24	R 18.03	R 17.03
37	-N SEL &RWD	R 18.06	R 17.06	38	R 18.05	R 17.05
192	-N WR ECHO	R 23.12	R 24.12	193	R 23.11	R 24.11
21	&P SEL & RDY M4	R 15.12	R 16.12	20	R 15.11	R 16.11
27	&P SEL & LP	R 15.06	R 16.06	26	R 15.05	R 06.05
29	&P SEL & NOT LP	R 15.08	R 16.08	28	R 15.07	R 16.07
31	&P SEL & RDY M2	R 15.12	R 16.12	32	R 15.11	R 16.11
33	&P SEL RDY & RD	R 15.04	R 16.04	34	R 15.03	R 16.03
35	&P SEL RDY & WR	R 15.02	R 16.02	36	R 15.01	R 16.01
47	&P HI DENS	R 15.10	R 16.10	46	R 15.09	R 16.09
115	&P SEL RDY M5 M6	R 20.12	R 19.12	114	R 20.11	R 19.11
77	&P SEL TU 0	R 21.03	R 22.03	76	R -----	R -----
79	&P SEL TU 1	R 21.04	R 22.04	78	R -----	R -----
86	&P SEL TU 2	R 21.05	R 22.05	87	R -----	R -----
88	&P SEL TU 3	R 21.06	R 22.06	89	R -----	R -----
97	&P SEL TU 4	R 21.07	R 22.07	96	R -----	R -----
99	&P SEL TU 5	R 21.08	R 22.08	98	R -----	R -----
106	&P SEL TU 6	R 21.09	R 22.09	107	R -----	R -----
108	&P SEL TU 7	R 21.10	R 22.10	109	R -----	R -----
117	&P SEL TU 8	R 13.01	R 14.01	116	R -----	R -----
119	&P SEL TU 9	R 13-02	R 14 02	118	R -----	R -----
82	RD BUS 1	R 13.09	R 14.09	83	R 13.10	R 14.10
84	RD BUS 2	R 13.08	R 14.08	85	R -----	R -----
93	RD BUS 4	R 13.07	R 14.07	92	R -----	R -----
95	RD BUS 8	R 13.06	R 14.06	94	R -----	R -----
102	RD BUS A	R 13.05	R 14.05	103	R -----	R -----
104	RD BUS B	R 13.04	R 14.04	105	R -----	R -----
113	RD BUS C	R 13.03	R 14.03	112	R -----	R -----
122	RD BUS X	R -----	R -----	123	R -----	R -----
124	RD BUS Y	R -----	R -----	125	R -----	R -----
172	-N WR BUS 1	R 23.02	R 24.02	171	R 23.01	R 24.01
174	-N WR BUS 2	R 23.03	R 24.03	173	R -----	R -----
176	-N WR BUS 4	R 23.04	R 24.04	175	R -----	R -----
178	-N WR BUS 8	R 23.05	R 24.05	177	R -----	R -----
180	-N WR BUS A	R 23.07	R 24.07	179	R 23.06	R 24.06
182	-N WR BUS B	R 23.08	R 24.08	181	R -----	R -----
184	-N WR BUS C	R 23.09	R 24.09	183	R -----	R -----
188	WR BUS X	R -----	R -----	189	R -----	R -----
190	WR BUS Y	R -----	R -----	191	R -----	R -----

TAG DATE FC NO. TAG DATE FC NO TAG DATE FC NO TAG DATE FC NO
A 0807 63 253501
B 12.10.63 2335508
16.3.64 JT 85205

TAPE SWITCHING CONTROL



NOTE

* REMOTE CONTROL PANEL SWITCHES ARE INTERLOCKED.
NO TWO POSITIONS CAN BE SET AT ONE TIME

IBM				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM RA 10.12.1			21-10-63	EC 253 501					
		TYPE	729	16.3.64	17 85205					
PROJET		ECHEL.								
DESSIN		CALQ.								RA10.12.1
VERIF.	[illegible] 28.2.64	VERIF.								
APPR.										

T/C CONNECTOR RECEPTACLE
A PINSINDE
B WIRESIDE

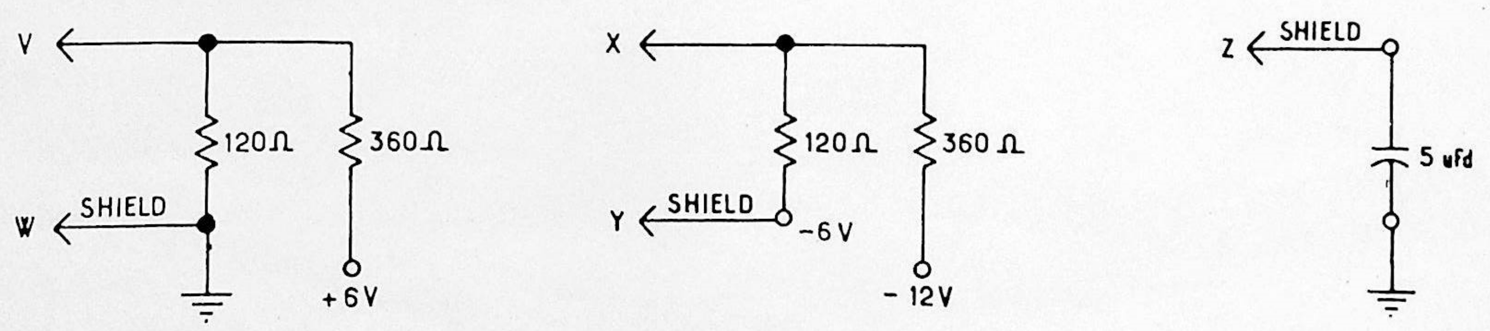
15	SHIELD	SET READ STATUS	SHIELD	SET WRITE STATUS	SHIELD	START REWIND	8 SHIELD	BKWD	SHIELD	GO	SHIELD	TURN OFF T.I.	SHIELD	1 TURN ON T.I
30	SEL & NOT AT LD_PT	SHIELD	SEL & AT LD_PT	SHIELD	SEL & T.I. OFF	SHIELD	23 SEL & T.I. ON	SHIELD	SEL & RDY MOD IV	SHIELD	SPEC SPARE ENG	SPEC SHIELD ENG	SPEC SPARE ENG	16 SPEC SHIELD ENG
45	SHIELD	SET LO-DENSITY	SHIELD	SET HI-DENSITY	SHIELD	REWIND & UNLOAD	38 SHIELD	SEL & REWIND	SHIELD	SEL RDY & WRITE	SHIELD	SEL RDY & READ	SHIELD	31 SEL & RDY MOD II
60							53				PROCESS (M)	SHIELD	HI-DENSITY LO DENSITY	46 SHIELD
75							68							61
85 SHIELD	READ BUS 2	SHIELD	READ BUS 1	81						80	SEL T.U. 1	SHIELD	SEL T.U. 0	76 SHIELD
95 READ BUS 8	SHIELD	READ BUS 4	SHIELD	91						90	SHIELD	SEL T.U. 3	SHIELD	86 SEL T.U. 2
105 SHIELD	READ BUS B	SHIELD	READ BUS A	101						100	SEL T.U. 5	SHIELD	SEL T.U. 4	96 SHIELD
115 MOD V/VI	SHIELD	READ BUS C	SHIELD	111						110	SHIELD	SEL T.U. 7	SHIELD	106 SEL T.U. 6
125 SHIELD	SPARE	SHIELD	SPARE	121						120	SEL T.U. 9	SHIELD	SEL T.U. 8	116 SHIELD
140 -6 V							133	+6 V						126
155							148							141
170 -12 V							163	GND						156
185	WRITE BUS C	SHIELD	WRITE BUS B	SHIELD	WRITE BUS A	SHIELD	178 WRITE BUS 8	SHIELD	WRITE BUS 4	SHIELD	WRITE BUS 2	SHIELD	WRITE BUS 1	171 SHIELD
200			SHIELD	WRITE PULSE	SHIELD	WRITE CHECK CHAR	193 SHIELD	WRITE ECHO PULSE	SPEC SHIELD ENG	SPEC SPARE ENG	SPEC SHIELD ENG	SPEC SPARE ENG	187 SPEC SHIELD ENG	SPEC SPARE ENG

TAPE SIGNAL TERMINATOR

"N" LINE COUPLING NETWORK

"P" LINE COUPLING NETWORK

RESPONSE LINE DECOUPLING



V	W
T/C 1	T/C 2
7	8
9	10
11	12
17	16
19	18
43	44
172	171
174	173
176	175
178	177
180	179
182	181
184	183
194	195
196	197
	48

X	Y
T/C 3	T/C 4
5	6
13	14
39	40
41	42
77	76
79	78
86	87
88	89
97	96
99	98
106	107
108	109
117	116
119	118

Z	
T/C 20	T/C 46
22	52
24	54
26	56
28	58
32	68
34	70
36	72
38	74
	114
	193

NOTE I • TERMINATOR ASM
P/N 348 590 ("A" STANDARD)
P/N 348 591 ("B" SPECIAL)
NOTE II • ONE NETWORK PER CONTROL LINE

IBM				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM RA. 10.20.0			31.12.63	EC 253 508					
		TYPE	729B	9.6.64	JT 85814					
PROJET		ECHEL.		26.4.67	731177					
DESSIN	RD42 26.2.64	CALQ.								RA.10.200
VERIF.	3.3.64	VERIF.								
APPR.										

5344821

RA.10.30.0

WRITE HEAD CABLE CHART

TRACK	WIRE + NO. COLOR	HEAD SOC. PIN	PADDLE CARD CONN.	LOGIC BLOCK PIN
1	1 WH 1 BK 1 RED 1 SHIELD	C R B –	C01A C01B C01C COM.**	B01K G13E * B01B
2	2 WH 2 BK 2 RED 2 SHIELD	D T S –	C01E C01F C01G COM.**	B01J G13E * B01D
4	3 WH 3 BK 3 RED 3 SHIELD	U F E –	C01K C01L C01M COM.	B01L G13E * B01P
8	4 WH 4 BK 4 RED 4 SHIELD	V J H –	C01N C01P C01Q COM.**	B01M G13E* B01R
A	5 WH 5 BK 5 RED 5 SHIELD	W L K –	C02A C02B C02C COM.**	B02K G13E* B02B
B	6 WH 6 BK 6 RED 6 SHIELD	X M Y –	C02E C02F C02G COM.**	B02M G13E* B02R
C	7 WH 7 BK 7 RED 7 SHIELD	P N A –	C02K C02L C02M COM.**	B02L G13E* B02P

* WRITE COIL CENTER TAPS SUPPLIED +12 NFP VOLTAGE VIA G13E RA.40.25.1
** SHIELD WIRES ARE COMMON AT C01R & C02R - C01R & C02R ARE TIED TO GROUND AT C06J

TERMINAL BLOCK LOCATIONS

TB#	LOCATION
1	SMS GATE - TOP CENTER
2	SMS GATE - LOWER LEFT (WRITE)
3	SMS GATE - LOWER RIGHT (READ)
4	DC. POWER SUPPLY INPUT
5	TOP COVER MOTORS
6	DC. POWER SUPPLY REGU.
7	AC. RACEWAY TO MOTORS
8	PROLAY CONTROL BOX
9	DC. POWER SUPPLY OUTPUT
10	LEFT REEL MOTOR CASTING
11	RIGHT REEL MOTOR CASTING
12	EDDY CURRENT SWITCH
13	AC. BOX
14	REEL MOTOR CTRL RES BOX

RESISTOR LOCATIONS

NUMBER	DESCRIPTION & LOCATION
POT 1	HS REWIND (RIGHT OF AC. CP)
POT 2	PHOTO LAMP (RIGHT OF POT 1)
R 3	HS REWIND LAMP (RT OF POT 2)
R 4	LEFT PARTIAL BRAKE (UP. RIGHT OF R3
R 5	PHOTO LAMPE RES (LW. RIGHT OF R3

IBM				
NOM	SYSTEMS DIAGRAM RA.10.30.0			
		TYPE	729B	
PROJET		ECHEL.		
DESSIN	RD32	26.2.64	CALQ.	
VERIF.	[illegible]	2.3.64	VERIF.	
APPR.				

DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
10-10-63	EC 253500					
23.4.64	EC 253782					
9-6-64	JT 85814					
21.5.64	EC 253760					
26-6-64	JT 85645					

RA.10.30.0

5344821

CIRCUIT PROTECTOR CHART & A.C. PWR.

CP

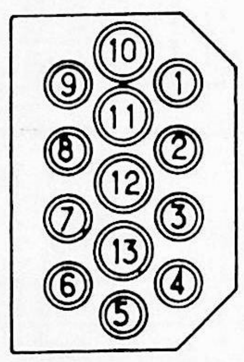
CP#	VOLTAGE	CURRENT	FUNCTION	PART NO.
1	-48V	3 A	RELAY GATE & OP PANEL	8 011 179
2	-48V	7 A	REEL MOTORS	8 023 881
3	-48V	8 A	PROLAY CONTROL BOX & LOGIC PANEL	8 016 931
4	208V	10A	Ø 1 LINE	8 016 938
5	208V	10A	Ø 2 LINE	
6	208V	7 A	Ø 3 LINE	8 023 881
7	208V	7 A	Ø 1 POWER SUPPLY	8 023 881
8	208V	5 A	VACUUM PUMP EX HAUST FAN PRESSURE BLOWER & REWIND	8 023 821
9	208V	3A	CAP MOTORS HEAD & TAPE TAKE UP MOTORS Ø 2	2 092 387
10	208V	3A	CAP, MOTORS HEAD & TAPE TAKE UP MOTORS Ø 1	2 092 387

POWER SUPPLY CB

CB#	VOLTAGE	CURRENT	PART NO.
1	-6	2A	8 021 667
2	+6	3A	2 092 387
3	-12	5A	8 023 834
4	+12	2A	8 021 667

TAPE POWER CONNECTORS

	POWER PLUG PIN ASSIGNMENTS TAPE UNIT VOLTAGE OR CONTROL	POWER CABLE WIRE SIZE	POWER CABLE TYPE	SYSTEMS PAGE
1	AC OUTLET - 115 VOLTS	14	AC	RA.40.85.1
2	AC OUTLET - 115 VOLTS	14	AC	RA.40.85.1
3	BOND	14		
4	NEUTRAL	18		RA.40.85.1
5	MODEL II & IV RESET - 220 VOLTS	18	AC	RA.40.85.1
6	SPARE	18		
7	SPARE	18		
8	SPARE	18		
9	AC OUTLET 220 VOLTS	18	AC	RA.40.85.1
10	MODEL II & IV RESET - 220 VOLTS	18	AC	RA.40.85.1
11	UNREG AC Ø 1	10	AC	RA.40.85.1
12	UNREG AC Ø 2	10	AC	RA.40.85.1
13	UNREG AC Ø 3	10	AC	RA.40.85.1



PIN LAYOUT - POWER PLUG - MALE

USAGE S.1
FIELD USE

IBM			DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM RA.10.40.0		10-10-63	EC 253500					
			9-6-64	JT 85814					
PROJET	TYPE	729B	4-12-64	JT 86363A					
DESSIN	R042 26.2.64	ECHEL							RA.10.40.0
VERIF		CALQ							
APPR		VERIF							

8026480

RESISTOR CHART

NAME	LOCATION	PART NO
R-1 PARTIAL RIGHT BRAKE	RA.40.45.1	8019816
R-2 PHOTO LAMP INT. ADJ.	RA.40.15.1	300609
R-3 H.S. AREA LAMP	RA.40.15.1	252816
R-4 PARTIAL LEFT BRAKE	RA.40.45.1	5355428
R-5 PHOTO LAMPS	RA.40.15.1	8023718
R-6 DRIVE PROLAY RES.	RA.40.55.1	8023862
R-7 DRIVE PROLAY RES.	RA.40.55.1	8023862
R-8 NEUTRAL PROLAY RES.	RA.40.55.1	2085710
R-9 DRIVE PROLAY RES.	RA.40.55.1	8023862
R-10 NEUTRAL PROLAY RES.	RA.40.55.1	8023861
R-11 NEUTRAL PROLAY RES.	RA.40.55.1	8023861
R-12 NEUTRAL PROLAY RES.	RA.40.55.1	8023863
R-13 DRIVE PROLAY RES.	RA.40.55.1	8023860
R-14 NEUTRAL PROLAY RES.	RA.40.55.1	8010801
R-15 NEUTRAL PROLAY RES.	RA.40.55.1	8010801
R-16 DRIVE PROLAY RES.	RA.40.55.1	8010801
R-17 DRIVE PROLAY RES.	RA.40.55.1	8010801
R-18 DRIVE PROLAY ADJ.	RA.40.55.1	8023865
R-19 NEUTRAL PROLAY ADJ.	RA.40.55.1	5331863
R-20 COAST POT	RA.40.55.1	8011018
R-21 BRAKE RESISTOR	RA.40.45.1	2063870
R-22 AT LOAD POINT	RA.40.35.1	603088
R 23 PARTIAL LEFT BRAKE	RA.40.45.1	8018018
R24 TAKE UP CLAMP	RA.40.35.1	5323495
R25 T.W. BRAKE ADJ.	RA.40.45.1	8016679
R26 ADDRESS LITE	RA.40.25.1	5311104
R27 T.W. BRAKE RES	RA.40.45.1	8023820

CAPACITORS

	P/N	LOC.
C1-15	528411	RA.40.85.1
C16-18	5344905	RA.40.15.1
C-19	556839	RA.40.25.1
C20-35	5344839	RA.40.45.1
C 36	5331850	RA.40.25.1

WIRE CONTACT RELAY

RELAY	1	2	3	4	5	6	PICK COIL	HOLD COIL	PART NO.
101	B1	A1	A1	A6	A6	B2	B 1	B 1	196 197
103	A1	A3	B6	A6		A2	B 1	B 1	196 197
105	B5	A6	A2	A3			B 5	B 5	196 207
110	A1	A1		A2	A2	A6	B 6	B 6	196 197
112	A6	B6	A3	A2	B6	A2	B 6	B 6	196 197
114	B1	B1	A1	A1			B 1	B 1	196 207
116	A1			A1			B 1	B 1	196 207
117	A3	B5	B2	A3	A3	A3	B 3	B 3	196 197
120	A4	A4	A4	A4			B 4	B 4	196 207
122	B6						B 3	B 3	196 207

DUO RELAY

RELAY	COIL	AL	BL	AU	BU	PART NO.
1	B4	A7	B5	A5	B5	124 843
2	B3	B5	A3	A2	B5	124 843
3	B3	A5	A3	B4	B5	124 843
4	A5	A6	B3	B2	B3	124 843
5	A5	B2	B3	A2	A6	124 843
6	B6	A3	B6	A6	A3	124 843
7	A5	B8	A6	B7	B5	124 843
8	B2	A5	A1			111 351
9	B3	B8	B5	B7	A7	124 843
10	A5			A7	A3	111 351
NFP-1	B3	B3	A4			530731

D.P. RELAY

RELAY	COIL	A	B	PART NO.
1	A5	RA.40.85.1	RA.40.85.1	594 284
2	A5	RA.40.85.1	RA.40.85.1	594 284
3	A5	RA40.85.1	RA40.85.1	594 284
4	B6	RA40.85.1	RA40.85.1	594 284
5	B3	RA40.85.1	RA40.85.1	594 284
6	B3	B3	RA40.85.1	594 284
7	B3	RA40.85.1	RA40.85.1	5323485
8	A5	B8	B8	594 284

IBM

NOM: SYSTEMS DIAGRAM RA - 10.50.0

TYPE: 729B

PROJET			ECHEL.
DESSIN	RD32	26.2.64	CALQ.
VERIF.	NV	3.3.64	VERIF.
APPR.			

[illegible]	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
18.11.63	EC 253505	26.6.64	JT 85645		
18.2.64	EC 253515		ECR 90028		
[illegible].4.64	EC 253782	18.11.64	EC 254337		
	JT 85814	21.12.64	JT 86507		
21.5.64	EC 253760				

DEVELOPMENT N°

RA.10.50.0

8026480

8 026 481

RA.10.60.0

COMPONENT LOCATION CHART

SELENIUM RECTIFIER (SR)

P/N 315 902

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A7	A7	A5	A5	A7	A7	A7	A7	B3	A5	B1	B1	A7	B3	B5	A7	B7

SILICON RECTIFIER (SL)

1	2	3	4
B8	B8	B8	B8
P/N 598 479			

DIODE

20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
B3	B1	B1	B5	B6	B6	B1	A5	A5	A5	A5	A5	A5	B3	B6	B3	B3	B3	B7	B8
P/N 599 686							P/N 599 917												

SWITCH

NAME	LOC.
CHANGE DENSITY	A1
START	B1
RESET 1	A6
RESET 2	B1
UNLOAD 1	A6
UNLOAD 2	A3
REEL RELEASE 1	A7
REEL RELEASE 2	B3
DOOR INTERLOCK	B4
HEAD UP	B5
HEAD DOWN	B5
REWIND MOTOR THERMAL	B2
REELS STOPPED	A3
VACCUM	B4

NAME	LOC.
LT. CAP. IN	A5
RT. CAP. IN	A5
LT. CAP. OUT	B5
RT. CAP. OUT	B5
TAPE IN RT. COL. A	A5
TAPE IN RT. COL. B	A7
TAPE IN LT. COL. A	A5
TAPE IN LT. COL. B	A7
RT. COL. LOWER	A8
RT. COL. UPPER	A7
LT. COL. LOWER	A7
LT. COL. UPPER	A7
LOAD REWIND	A5
POWER ON-OFF	

LAMPS & LIGHTS

NAME	LOC.
FILE PROTECT LIGHT	A4
FUSE LIGHT	A4
H.S. AREA LAMP	A2
LOAD POINT LAMP	A2
READY LIGHT	A6
SELECT LIGHT	A6
TAPE BREAK LAMP	A2
TAPE INDICATE LAMP	A2
TAPE INDICATE ON LIGHT	A6
ADDRESS LIGHT	A4
LINE POWER	
MACHINE POWER	
HI & LO DENSITY LIGHTS	B1

PHOTOCELLS

NAME	LOC.
H.S. AREA	A2
LOAD POINT	B4
TAPE INDICATE	B4

R.C. NETWORKS

R.C. #	1	2	3	4
119	B4	B3	B4	B6
121	B6	B3	B1	

IBM			
NOM	SYSTEMS DIAGRAM RA. 10.60.0		
PROJET		TYPE	729 B
DESSIN	RD42 27.2.64	ECHEL.	
VERIF.	2.3.64	CALQ.	
APPR.		VERIF.	

DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
18-11-63	EC 253505				
23.4.64	EC 253782				
	JT 85814				
	ECR 90028				

DEVELOPMENT N°

RA.10.60.0

8026 481

8026482

RA.10.70.0

FEUILLE 1/2

CIRCUIT CARD LOCATION CHART

01A1

	1	2	3	4	5	6	7
A	CABLE RELAY TO SMS	RIGHT PROLAY CABLE	LEFT PROLAY CABLE	YHM 0370701 RA 30 90 1 RA 30 90 1 RA 30 90 1 RA 30 90 1 RA 30 90 1 RA 30 90 1 7891*	T G 8025359 RA 30.90.1 5D	WB — 0371880 RA 30 90 1 2 D	
B	V & VI YEU 370668 II & IV JUMP 348542 RA 30 60 1	V & VI AUS 372266 II & IV JUMP 348542 RA 30 60 1				W B 0371880 RA 30 90 1 1F	
C	WRITE HEAD CABLE	WRITE HEAD CABLE	LZ 0371674 RA 30 60 1 2 B	LZ 0371674 RA 30 60 1 2 C	LZ 0371674 RA 30 60 1 2 D	LZ 0371674 RA 30 60 1 2 E	L Z — 0371674 RA 30 60 1 2 F
D			AR — 0371034 RA 30 60 1 3 B	AR — 0371034 RA 30 60 1 3 C	AR — 0371034 RA 30 60 1 3 D	AR — 0371034 RA 30 60 1 3 E	AR — 0371034 RA 30 60 1 3 F
E			AYWS 0371041 RA 30 60 1 4 B	AYWS 0371041 RA 30 60 1 4 C	AYWS 0371041 RA 30 60 1 4 D	AYWS 0371041 RA 30 60 1 4 E	AYWS 0371041 RA 30 60 1 4 F
F		WRITE BUS CABLE	T C J 0370333 RA 30 30 1 2 F RA 30 30 1 3 E RA 30 30 1 4 F RA 30 30 1 4 H	T C J 0370333 RA 30 30 1 2 H RA 30 30 1 3 G RA 30 30 1 3 I RA 30 50 1 5 B	A U C 0372160 RA 30 50 1 2 G RA 30 50 1 4 G RA 30 50 1 5 A RA 30 50 1 2 F	A U C 0372160 RA 30 50 1 2 I RA 30 50 1 4 H RA 30 50 1 4 I RA 30 50 1 2 H	
G			WRITE	DELAY	TAPS	DLY LINE IV & VI - BP 371439 II & V - RP 371749 RA 30-50 1	DLY LINE IV & VI - BP 371439 II & V - RP 371749 RA 30 50 1

	8	9	10	11	12	13	14
A	W B — 0371880 RA 30 90 1 2 E		WB — 0371880 RA 30 90 1 3 E		WB — 0371880 RA 30 90 1 1 A		WB — 0371880 RA 30 90 1 2 B
B	W B — 0371880 RA 30 90 1 4 F		W B — 0371880 RA 30 90 1 4 G		W B — 0371890 RA 30 90 1 4 H		W B — 0371880 RA 30 90 1 4 I
C	L Z — 0371674 RA 30 60 1 2 G	L Z — 0371674 RA 30 60 1 2 H			T C J 0370333 RA 30 05 1	C D — 0371029 RA 30 05 1 RA 30 05 1 RA 30 40 1 4C	M X — 0371661 RA 30 10 1 3 D RA 30 30 1 3 B RA 30 40 1 2 G RA 30 80 1 4 D 5
D	AR — 0371034 RA 30 60 1 3 G	AR — 0371034 RA 30 60 1 3 H			MX — 0371661 RA 30 10 1 3 C RA 30 80 1 1 I RA 30 80 1 2 I RA 30 80 1 4 F 5	M X — 0371661 RA 30 10 1 2 D RA 30 30 1 2 B RA 30 40 1 2 E RA 30 80 1 1 A 5	MX — 0371661 RA 30 90 1 3 B RA 30 90 1 4 A RA 30 90 1 4 B RA 30 90 1 5 B
E	AYWS 0371041 RA 30 60 1 4 G	AYWS 0371041 RA 30 60 1 4 H			CD — 0371029 RA 30 40 1 3 F RA 30 50 1 2 A RA 30 80 1 2 G	CEYB 0371032 RA 30 10 1 RA 30 40 1 RA 30 40 1 RA 30 60 1 RA 30 60 1	MX — 0371661 RA 30 80 1 3 A RA 30 80 1 4 B RA 30 80 1 4 C RA 30 80 1 4 I
F	AUD 0372161 RA 30 50 1 4 C		NM — 0371666 RA 30 80 1 5 E RA 30 80 1 5 F RA 30 80 1 5 G RA 30 80 1 5 H	M H — 0371487 RA 30 40 1 2 B RA 30 40 1 2 H RA 30 50 1 1 A RA 30 50 1 5 C	TAU 0370129 RA 30 30 1 4 C RA 30 40 1 1 A RA 30 50 1 3 B RA 30 00 1 2 5	NM 0371666 RA 30 10 1 5 C RA 30 50 1 3 A RA 30 80 1 5 C RA 30 80 1 5 D	NM 0371666 RA 30 20 1 5 D RA 30 40 1 5 A RA 30 40 1 5 C RA 30 40 1 5 E
G	APH 0370642 RA 30 20 1 1C RA 30 20 1 1 D RA 30 40 1 1 F RA 30 40 1 1G	CABLE 1/0 OUT	CABLE 1/0 OUT	APG — 0370641 RA 30 20 1 1G RA 30 20 1 1 H RA 30 40 1 1 D RA 30 60 1 1 I	APH — 0370642 C RA 30 10 1 2 C RA 30 30 1 1 C RA 30 30 1 2 D RA 30 30 1 3 C	CABLE RELAY TO SMS	TCU 0370333 RA 30 10 1 5 A RA 30 20 1 5 F

IBM		DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM.	31.12.63	253 508			
	RA.10.70.0	23.4.64	253782			
PROJET	TYPE 729	9.6.64	JT 85814			
DESSIN	ECHELLE	21.5.64	253760			RA.10.70.0
VERIF.	CALQ.	26.6.64	JT 85645			
APPR.	VERIF.					

8026482

3

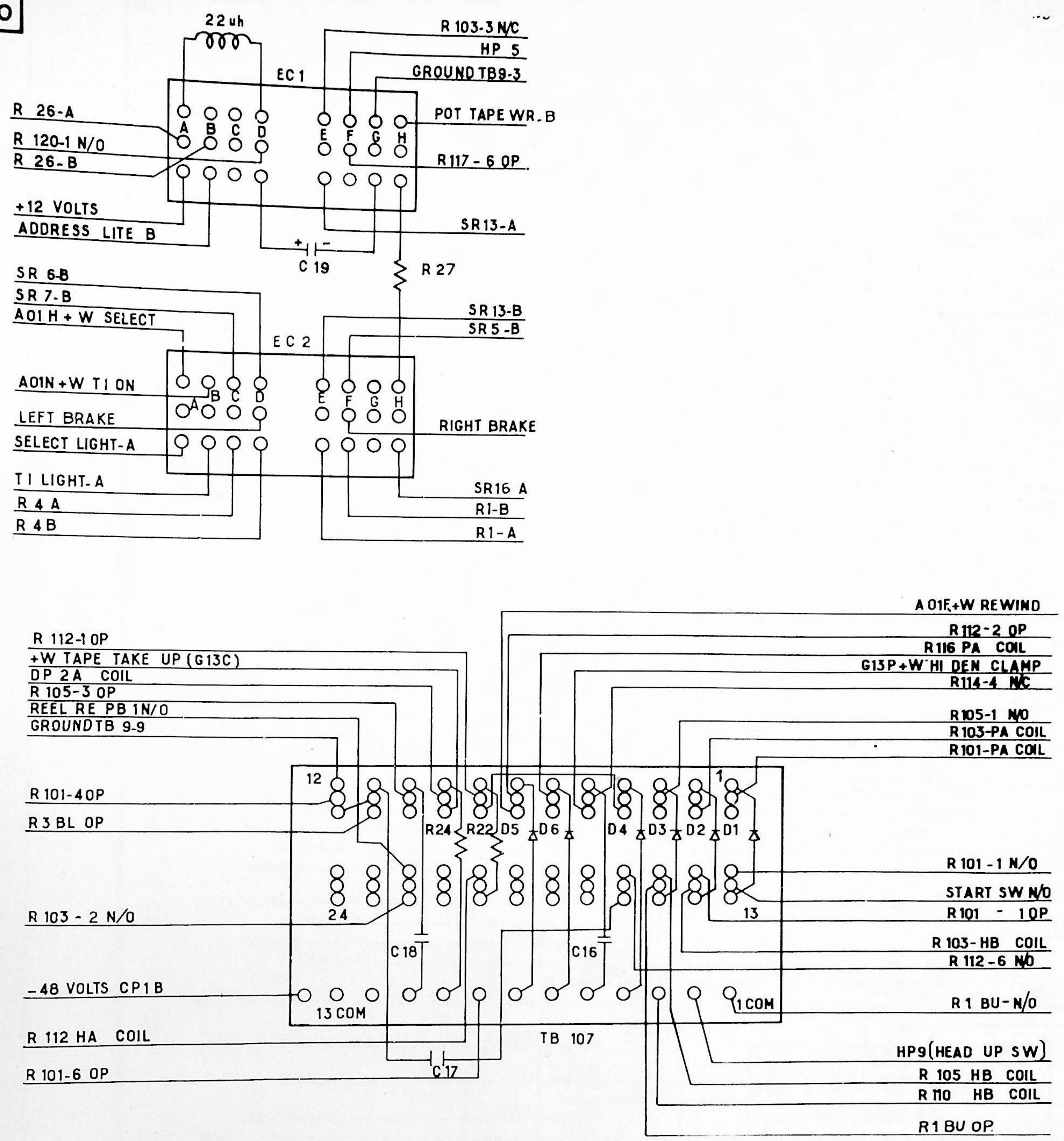
CIRCUIT CARD LOCATION CHART

01A1

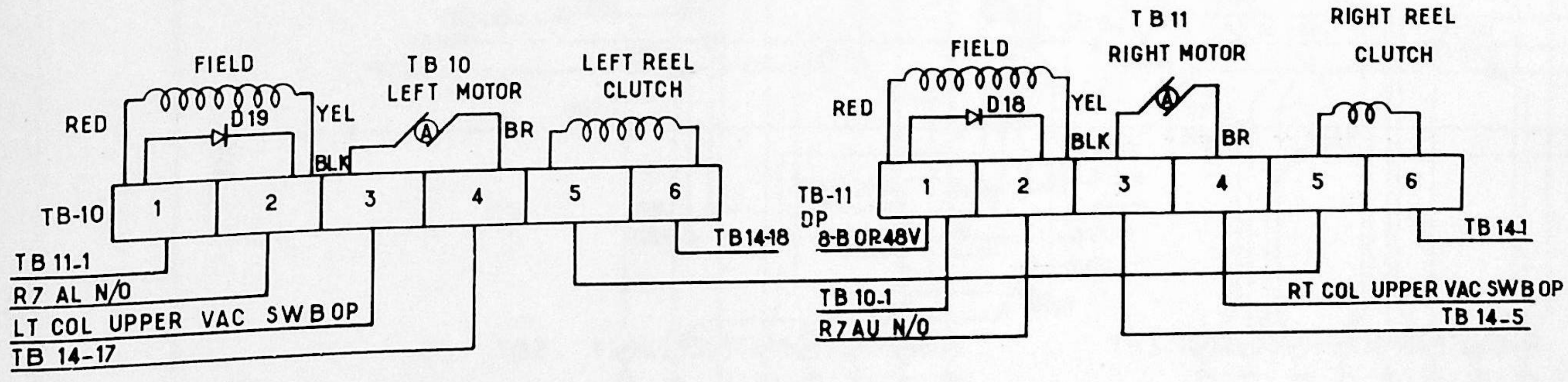
	15	16	17	18	19	20	21	22	23	24	25	26	27	28
A		WB ---- 0371880 RA 30 90 1 2 C				MD ---- 0371497 RA 30 10 1 1 A RA 30 10 1 1 B RA 30 10 1 1 D		MD 0371497 RA 30 40 1 1H RA 30 30 1 1B RA 30 00 1 3		MD 0371497 RA 30 20 1 1A RA 30 20 1 1E RA 30 40 1 1H				
B		WB ---- 0371880 RA 30 90 1 2 G		WB --- 0371880 RA 30 30 1 1A										
C	TAU - 0370129 RA 30 20 1 4 F RA 30 20 1 4 G RA 30 40 1 3 A RA 30 40 1 4 A	MX --- 0371661 RA 30 20 1 3 A RA 30 20 1 3 C RA 30 80 1 2 F RA 30 30 1 3 A 5	TAU --- 0370129 RA 30 20 1 2 E RA 30 20 1 3 D RA 30 20 1 4 D RA 30 40 1 3 E 5	MX --- 0371661 RA 30 10 1 2 A RA 30 10 1 3 A RA 30 10 1 3 B RA 30 20 1 2 D 5	MX --- 0371661 RA 30 20 1 2 G RA 30 20 1 4 E RA 30 30 1 4 A RA 30 40 1 3 B 5									
D	MX --- 0371661 RA 30 10 1 RA 30 20 1 RA 30 20 1 RA 30 20 1 RA 30 30 1	DAC -- 0371951 RA 30 20 1 3 E RA 30 20 1 3 F RA 30 80 1 2 A		CD---- 0371029 RA 30 20 1 3 B RA 30 20 1 4 A RA 30 80 1 3 B	YAW 0370452 RA 30 20 1 5 E	YAW 0370452 RA 30 20 1 5	CAP CARD 556951	ARA 0370685 RA 30 70 1 31 NOT SHIPPED WITH MACHINE	FC 0371408 RA 30 70 1 21 NOT SHIPPED WITH MACHINE	READ HEAD CABLE				PHOTO CELL CABLE
E	MX --- 0371661 RA 30 80 1 2 E RA 30 80 1 3 C RA 30 80 1 3 G RA 30 90 1 5 I	CD 0371029 RA 30 40 1 4 B RA 30 40 1 4 E RA 30 80 1 3 I		TAU --- 0370129 RA 30 40 1 2 D RA 30 40 1 3 D RA 30 40 1 5D RA 30 90 1 2 F 5	MX--- 0371661 RA 30 30 1 3 D RA 30 40 1 3 F RA 30 40 1 4 G RA 30 40 1 4 H 5	AM - 1	AM - 1	AM - 1 MOD II MOD IV MOD V MOD VI	AM - 1 ACW AFA ARK A-Z RA 30 70 1	AM - 1 0370100 0371925 0370706 0370680	AM - 1	AM - 1		
F	APF --- 0370640 RA 30 10 1 5 B RA 30 40 1 5 H	APF--- 0370640 RA 30 30 1 5 A RA 30 00 1	APF --- 0370640 RA 30 20 1 5 H RA 30 80 1 5 I	CABLE METER	BKVZ 0371433 RA 30 30 1 1 D	AM - 2	AM - 2	AM - 2 MOD II MOD IV MOD V MOD VI	AM - 2 ACX ABK ARL APZ RA 30 70 1	AM - 2 0370099 0371926 0370707 0370681	AM - 2	AM - 2		
G	CABLE I/O IN	CABLE I/O IN	TCJ• 0370333 RA 30 30 1 4 B RA 30 40 1 5 F RA 30 80 1 5 A		CABLE READ BUS I/O	BJ ---- 0371432 RA 30 70 1 2 A	BJ 0371432 RA 30 70 1 2 B	BJ 0371432 RA 30 70 1 2C	BJ 0371432 RA 30 70 1 2 D	BJ 0371432 RA 30 70 1 2 E	BJ 0371432 RA 30 70 1 2 F	BJ 0371432 RA 30 70 1 2 G		

				DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
	IBM			31-12-63	253 508			
NOM	SYSTEMS DIAGRAM			23 4.64	253782			
	RA.10.70.0			9.6.64	JT 85814			
PROJET		TYPE	729	11.5.64	253760			RA.10.70.0
DESSIN		ECHELL		26.6.64	JT85645			
VERIF.		CALQ						
APPR.		VERIF						

EDGE CONNECTOR AND TERMINAL BOARD LAYOUT



WIRE SIDE
(COMPONENTS PLUGGED ON REVERSE SIDE)

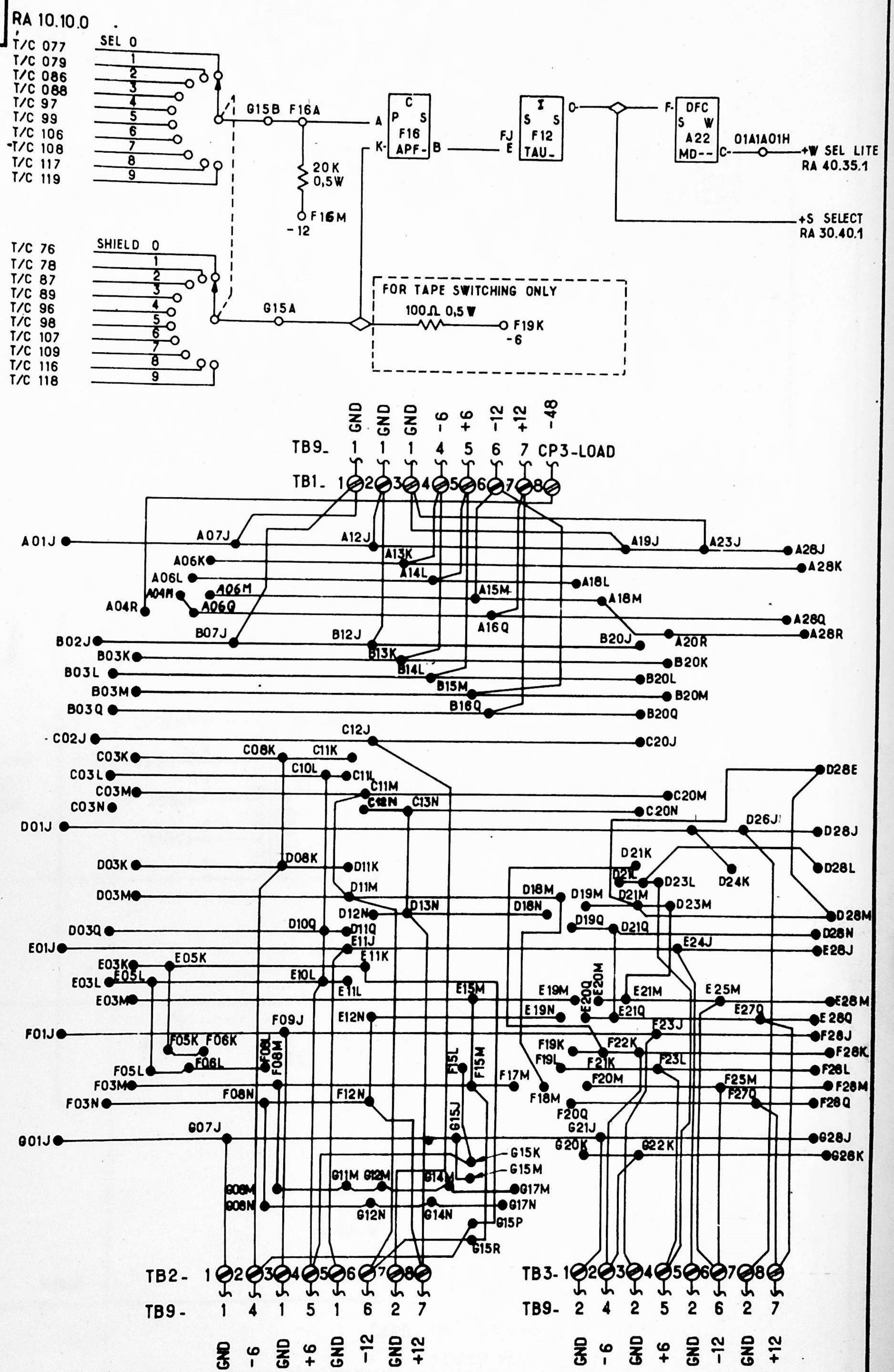


IBM				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM RA.10.80.0			19.11.63	EC 253505					
			TYPE	9.6.64	JT 85814					
PROJET			ECHEL.							
DESSIN	RD32	29-2-64	CALQ.							RA.10.80.0
VERIF.	RDL27	3. 3. 64	VERIF.							
APPR.										

5344815

SELECT LINES AND SMS VOLTAGE DISTRIBUTION

RA.30.00.1



NOTE I GROUND PLANE IS ISOLATED BETWEEN ROW B AND ROW C
NOTE II POSITIONS B01J AND C01J DO NOT HAVE A GND. PLANE AND ARENT WIRED TO GND.

				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
IBM				31-12-63	EC 253508					
NOM	SYSTEMS DIAGRAM			23.4.64	EC 253782					
	RA.30.00.1			9-6-64	JT 85814					
PROJET		TYPE	729 B	7-14-64	EC 254024					
DESSIN	RD 28.2.64	ECHEL.		4.11.64	JT 86363					RA.30.00.1
VERIF.	3.3.64	CALQ.								
APPR.		VERIF.								

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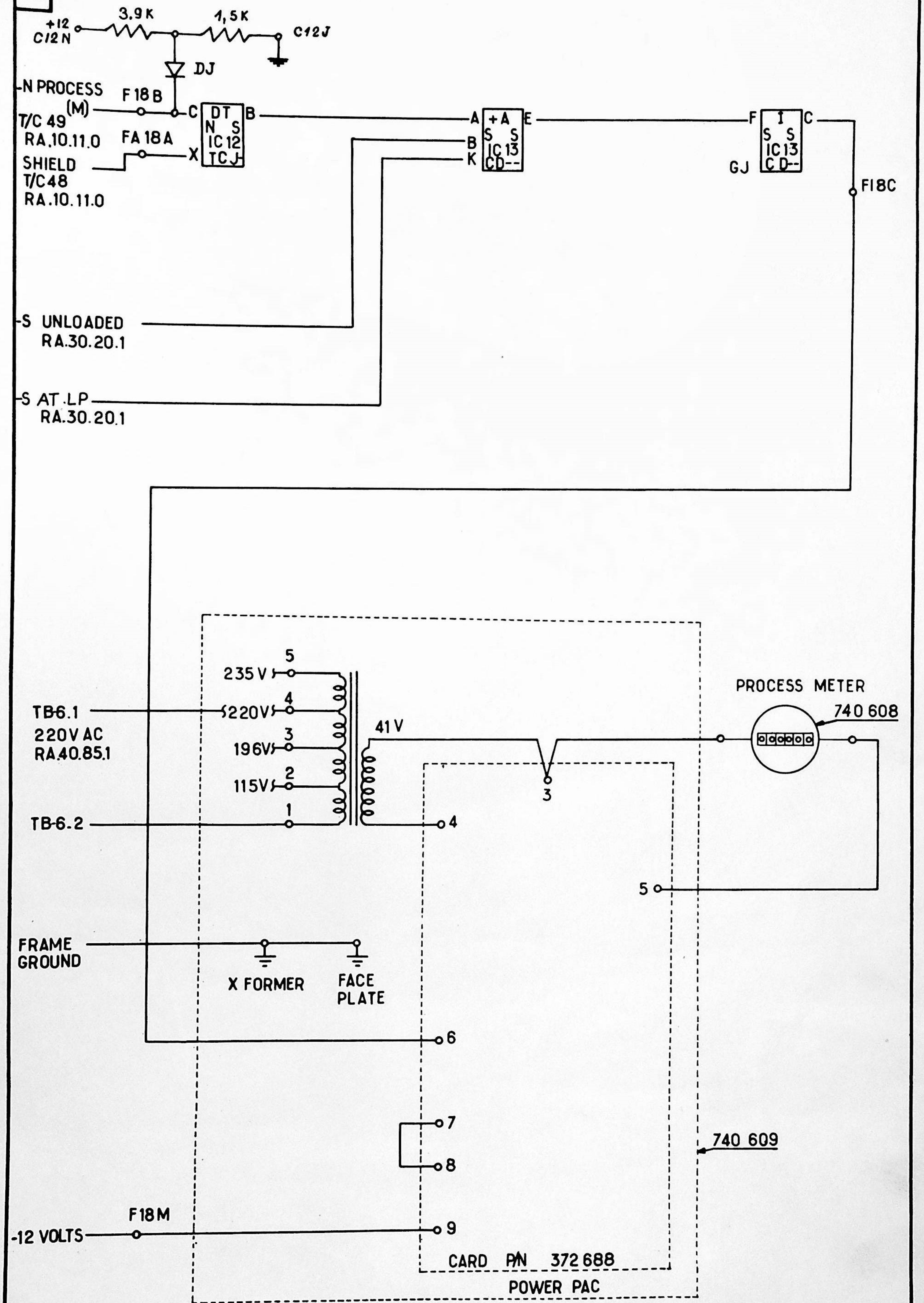
RA.30.05.1

PROCESS METER BOX AND SMS LOGIC



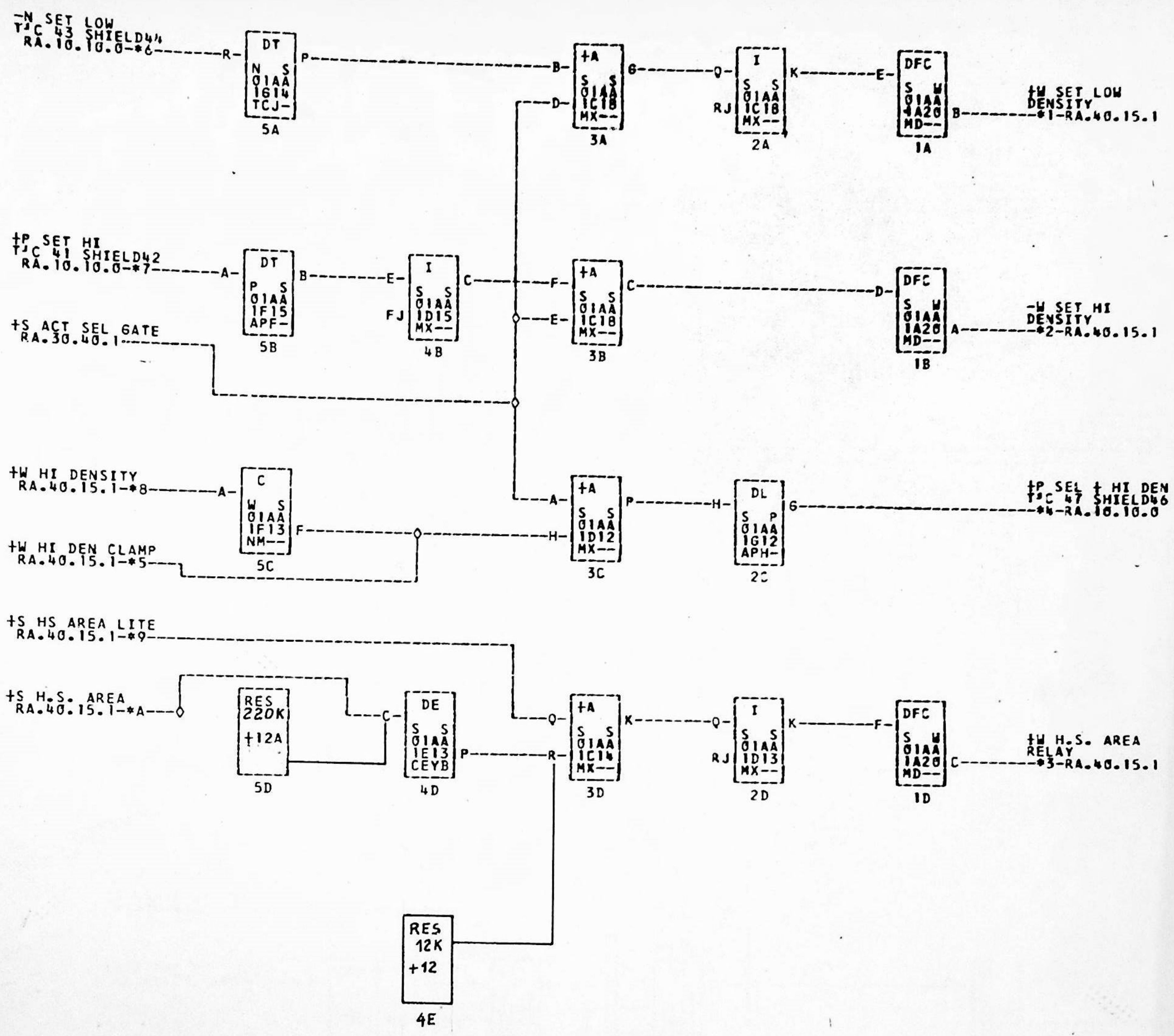
NOTE: IF THE EXTERNAL SIGNAL IS NOT AVAILABLE
C 12B WILL ALSO WIRED TO C 12J (GROUND)

IBM			
NOM	SYSTEMS DIAGRAM		
	RA . 30.05 . 1		
PROJET		TYPE	729
DESSIN	RD32 5-3-64	ECHEL.	
VERIF.	RDa27 5. 3. 64	CALQ.	
APPR.		VERIF.	

DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
2-1-63	EC 253508	27.4.67	731177		
	JT 85814				
21.5.64	EC 253760				
26.6.64	JT 85645				
	JT 86869				

DEVELOPMENT N°
RA.30.05.1

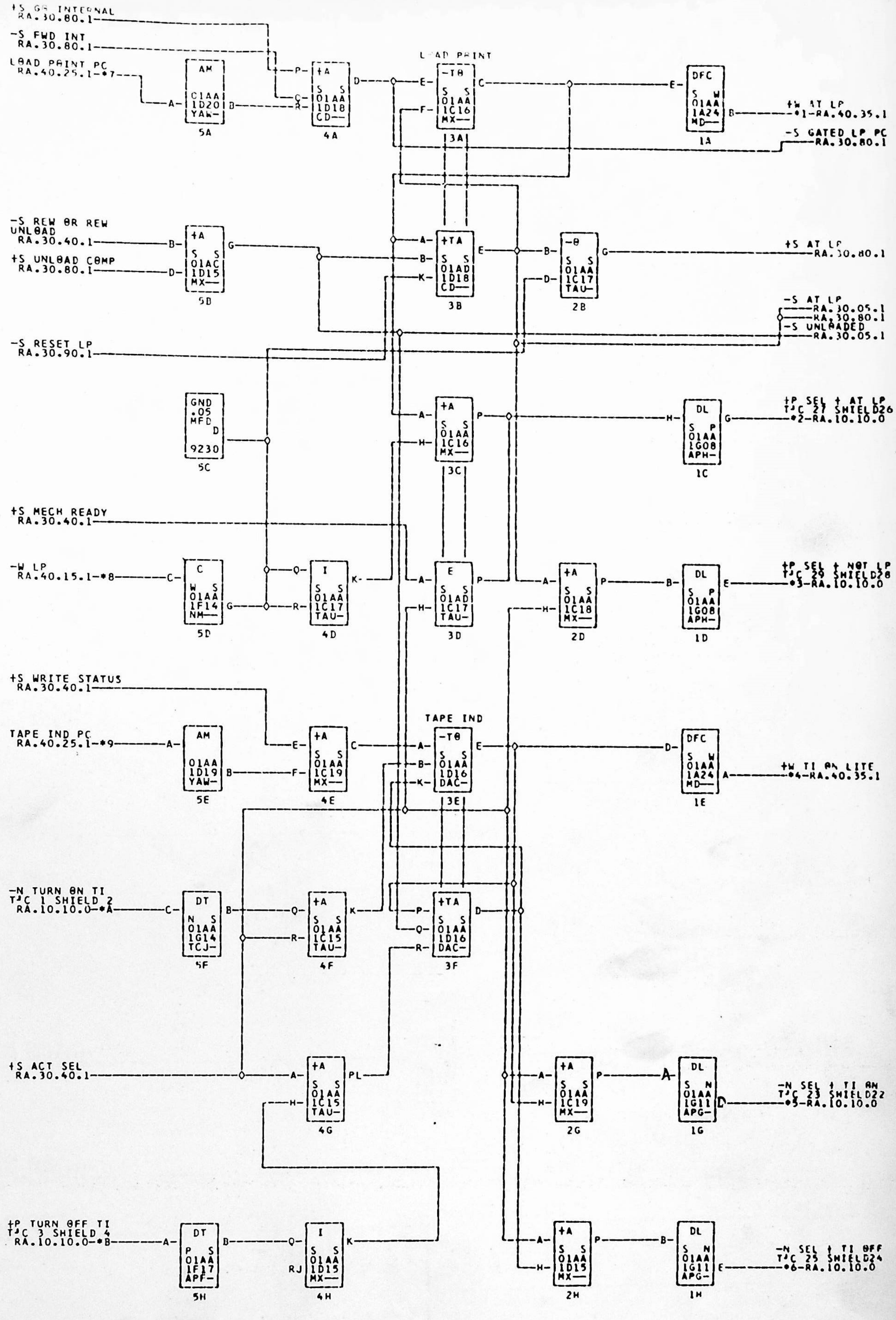
8026489



*1--01A1A01A *2--01A1A01B *3--01A1A01C *4--01A1610B *5--01A1613P *6--01A1516H---- *7--01A1616R----
*8--01A1613A---- *9--01A1D28A---- *A--01A1D28F----

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAS	DATE	E.C.NO.
A	~~06-28-63~~ 9.6.64	~~253500~~ JT858148									

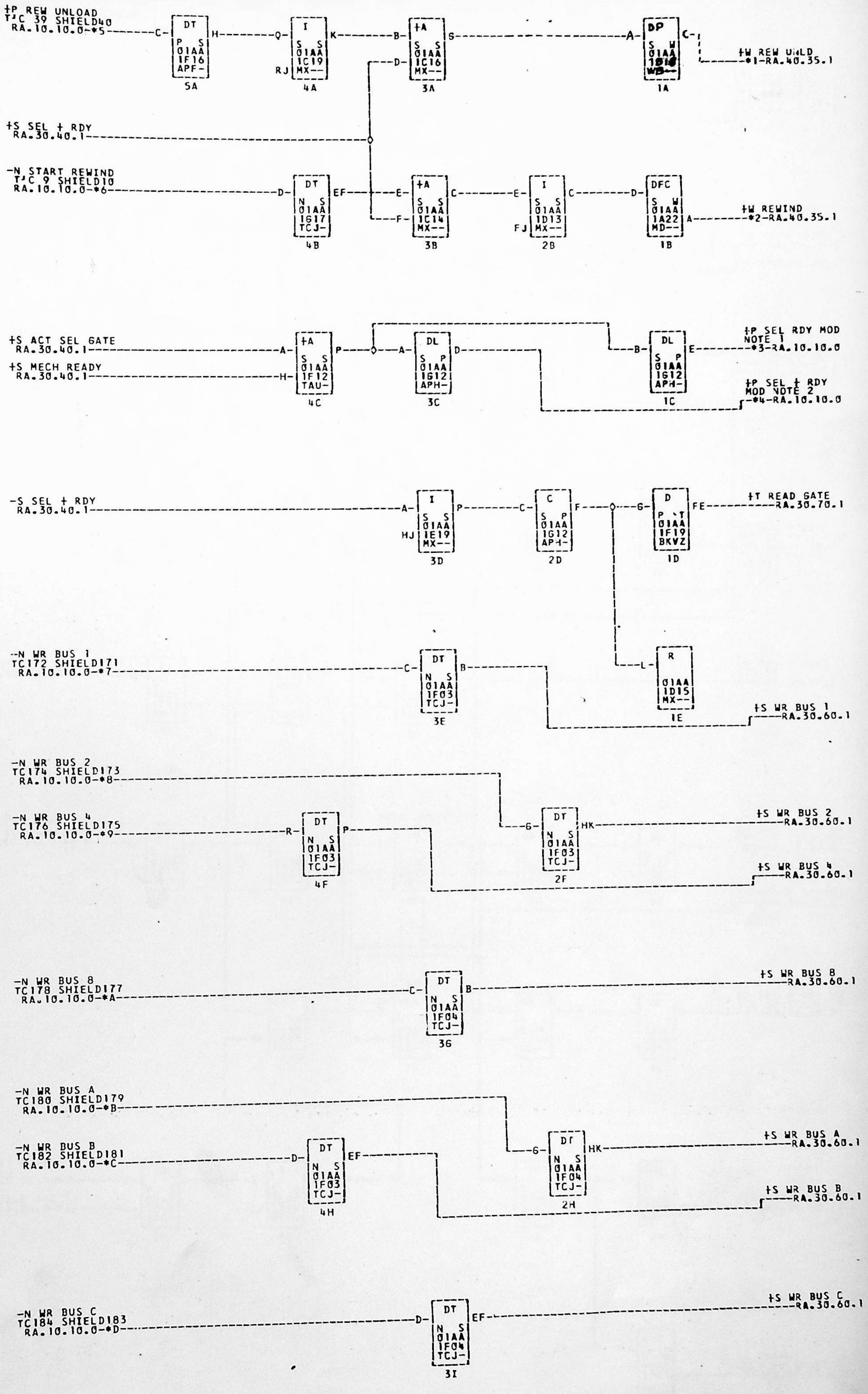


•1--01A1A01G •2--01A1G09H •3--01A1G09K •4--01A1A01N •5--01A1G10F •6--01A1G10H •7--01A1D26G---- •8--01A1G13D----
•9--01A1D28H---- •A--01A1G16F---- •B--01A1G15D----

COMMENTS
NOTE 1 GOV CABLE PADDLE CARD COMMON DOES NOT CONNECT TO J PIN PURPOSE TO ISOLATE P SHIELD FROM GROUND PLANE.

1

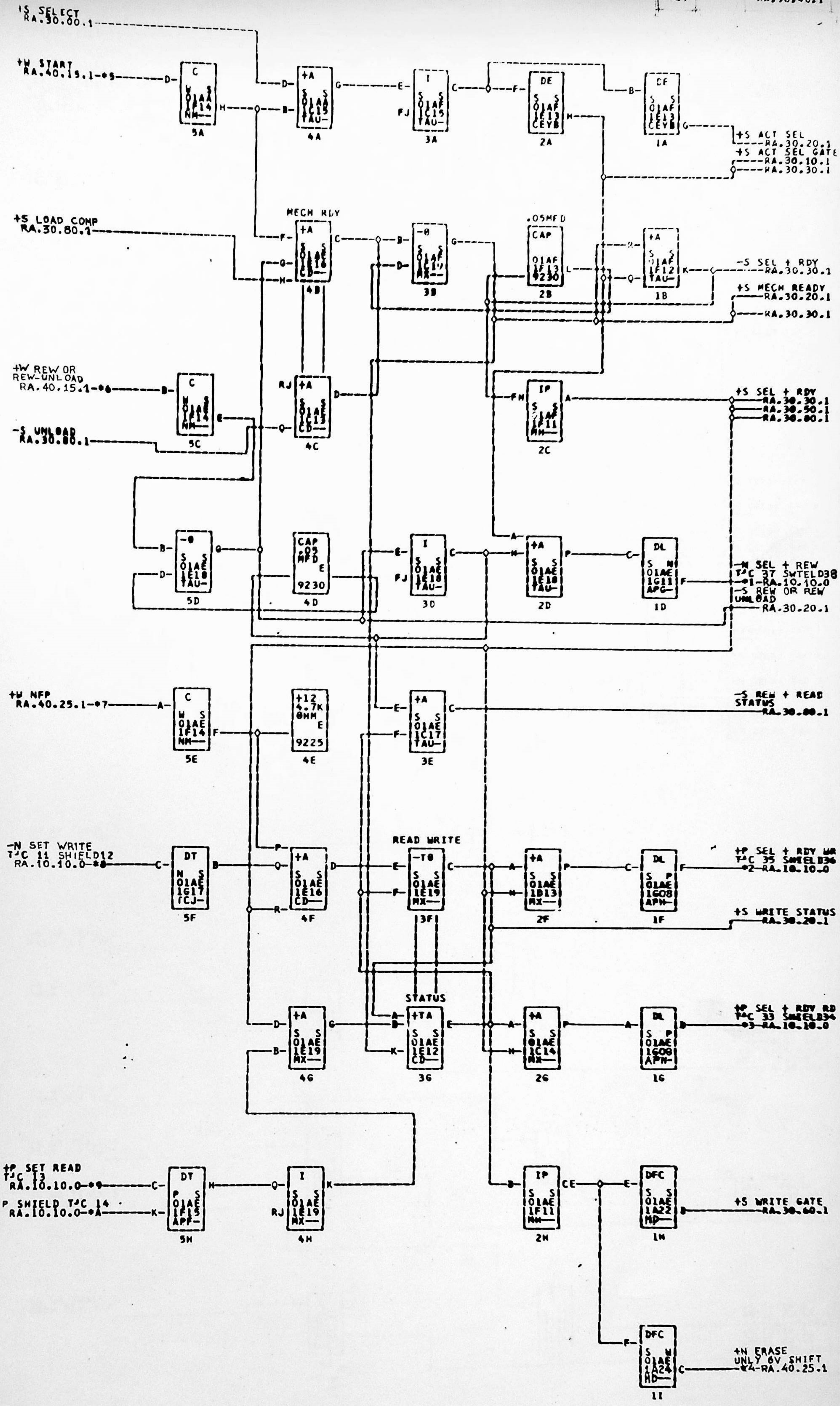
TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
~~A~~	~~08-17-63~~	~~733500~~	~~B~~	~~10-17-63~~	~~733505~~	~~C~~	~~10-29-63~~	~~255506~~	~~D~~	~~04-03-64~~	~~254140~~
		JT85814									
	26.6.64	JT85645									
		~~EC254103~~									
	19/11/64	JT 85407									



*1--01A1A01E *2--01A1A01F *3--01A1G10D *4--01A1G10R *5--01A1G15H---- *6--01A1G16K---- *7--01A1F02B----
*8--01A1F02D---- *9--01A1F02F---- *A--01A1F02H---- *B--01A1F02K---- *C--01A1F02M---- *D--01A1F02P----

COMMENTS
NOTE 1 MOD 2 PLUGS TO T'C 31 MOD4 TO 21
SHIELDS MOD 2 T'C 30 MOD.4 T'C 20
NOTE 2 MOD 5 OR MOD 6 PLUGS TO T'C 115
SHIELD PLUGS TO T'C 114

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
~~A~~	~~07-02-63~~	~~253500~~		~~03-4-64~~	~~253708~~						
	9.6.64	JT85814									

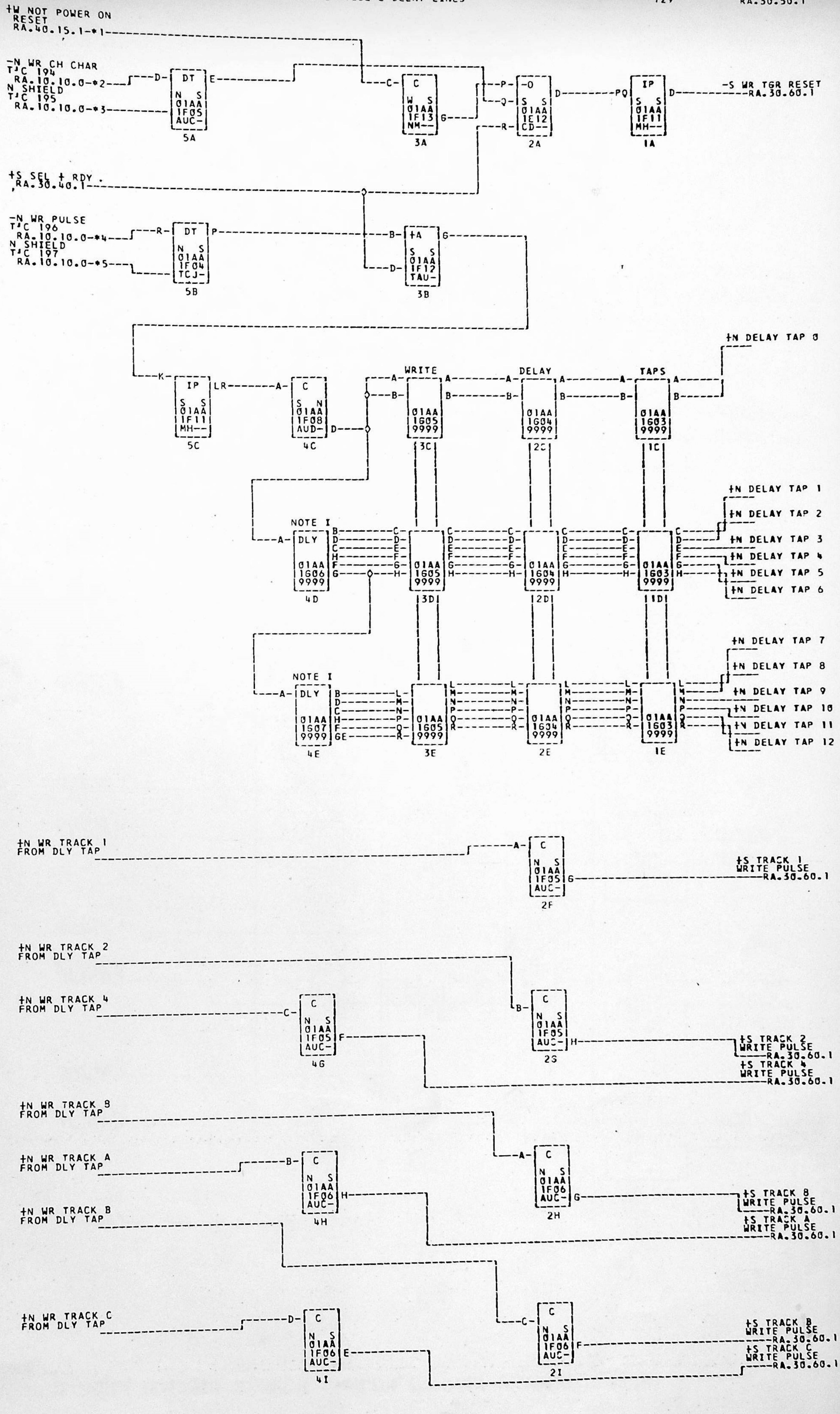


*1--01A1G10K *2--01A1G09F *3--01A1G09D *4--01A1A01D *5--01A1G13B---- *6--01A1G13H---- *7--01A1G13F----
*8--01A1G16D---- *9--01A1G16F---- *A--01A1G16H----

COMMENTS
NOTE 1 G10 CABLE PADDLE CARD COMMON DOES NOT CONNECT TO J PIN, PURPOSE TO ISOLATE SHIELDS FROM GROUND PLANE.

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
	9.6.64	JT85814		4.11.64	JT86363	C			D		
	26.6.64	JT85645									

1

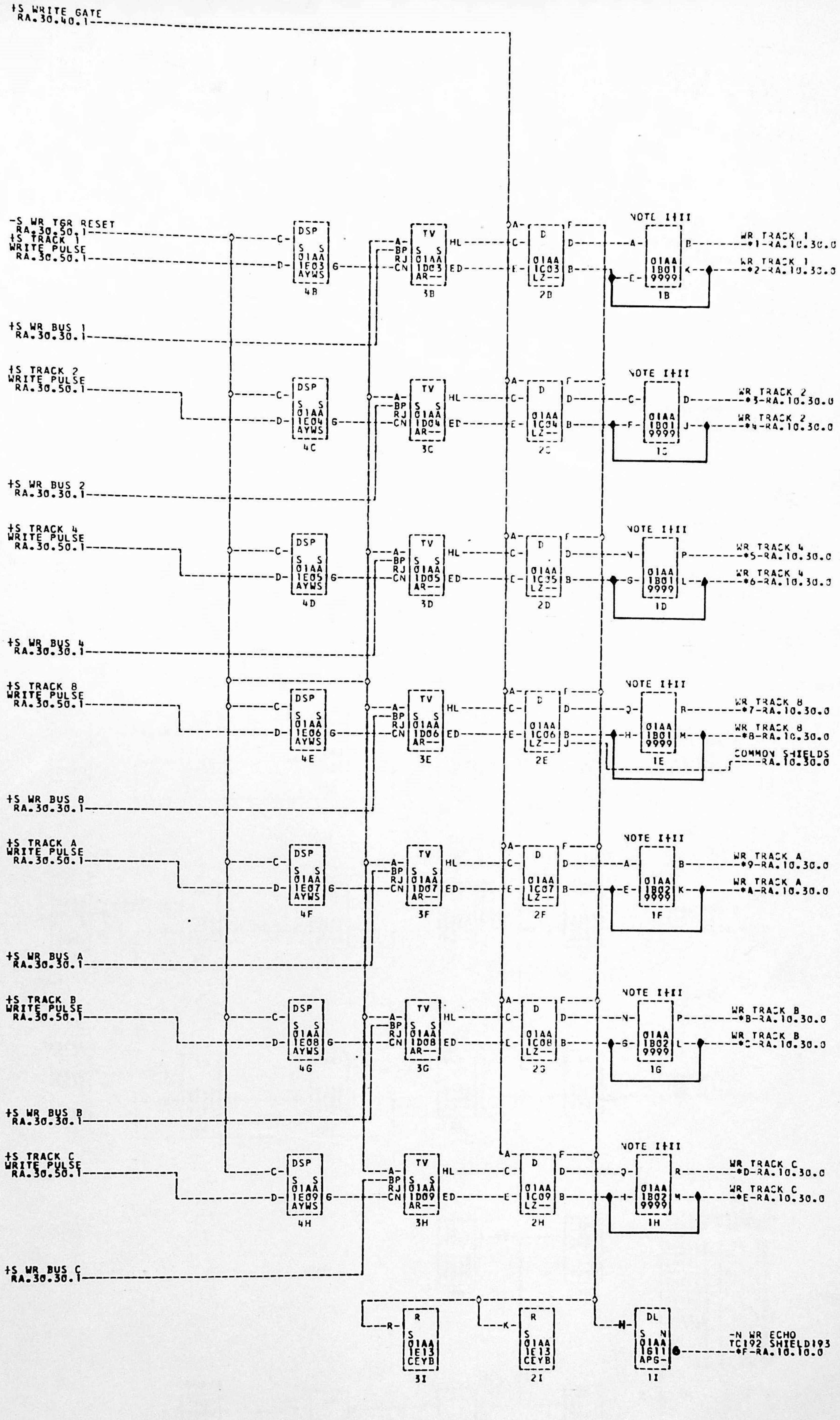


*1--01A1G13R---- *2--01A1G16M---- *3--01A1G16J---- *4--01A1F02R---- *5--01A1F02J----

COMMENTS

NOTE I MODELS IV + VI USE BP-- 371439 IN 606 + 607. MODELS II + V USE RP-- 371749 IN 606 + 607.

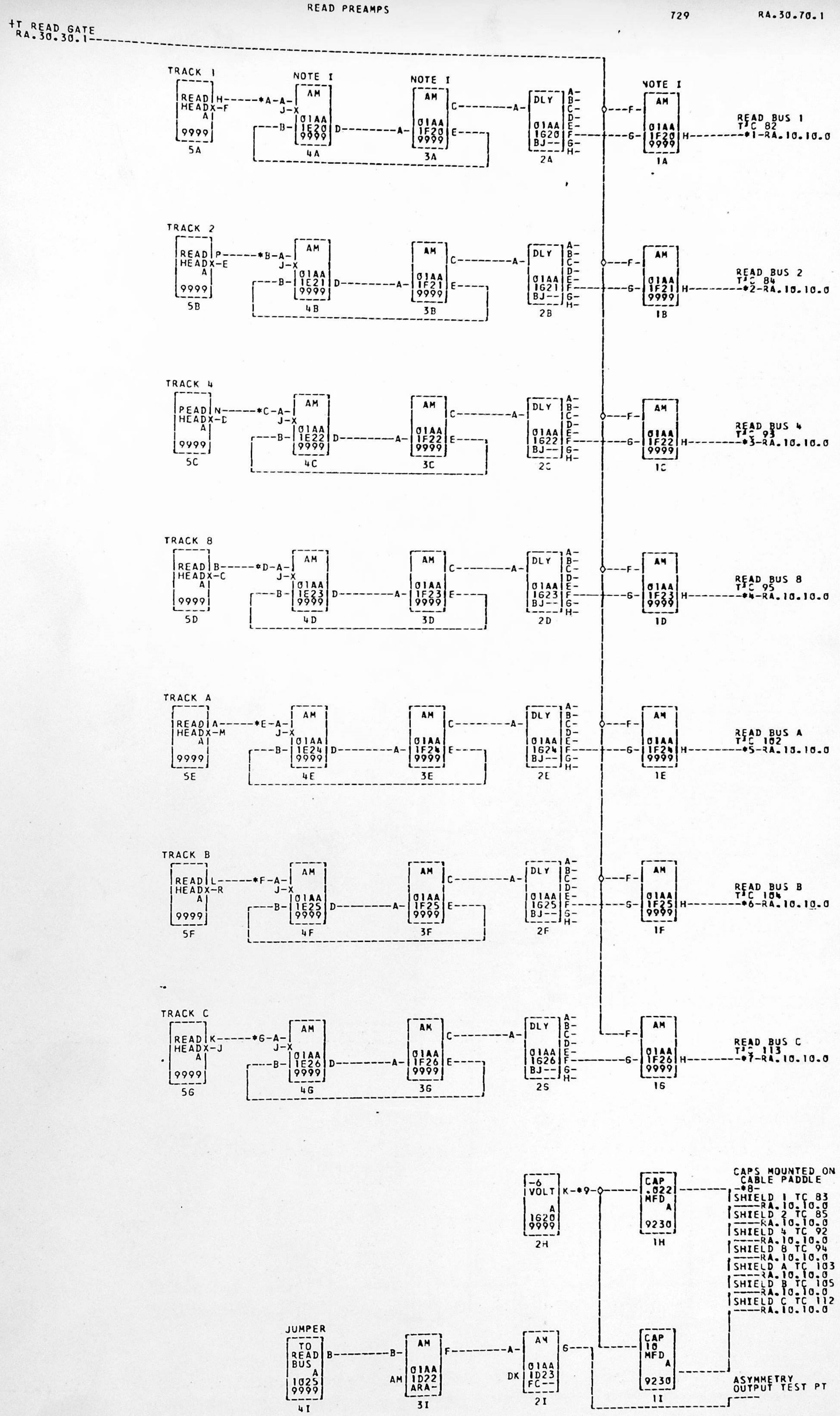
TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
~~A~~	~~06-20-63~~ 9-6-64	~~253508~~ JT05814	~~B~~	~~12-10-63~~	~~253515~~						



*1--01A1C01C *2--01A1C01A *3--01A1C01G *4--01A1C01E *5--01A1C01M *6--01A1C01K *7--01A1C01Q *8--01A1C01N
*9--01A1C02C *A--01A1C02A *B--01A1C02G *C--01A1C02E *D--01A1C02M *E--01A1C02K *F--01A1G09B

COMMENTS
NOTE I MODELS 5 + 6 USE YEU- 370668 IN B01 AND AUS- 372266 IN B02, MODELS 2 + 4 USE JUMPER CARD 348542 IN B01 + B02 NOTE II SEE PAGE RA.10.30.0 FOR HEAD WIRING

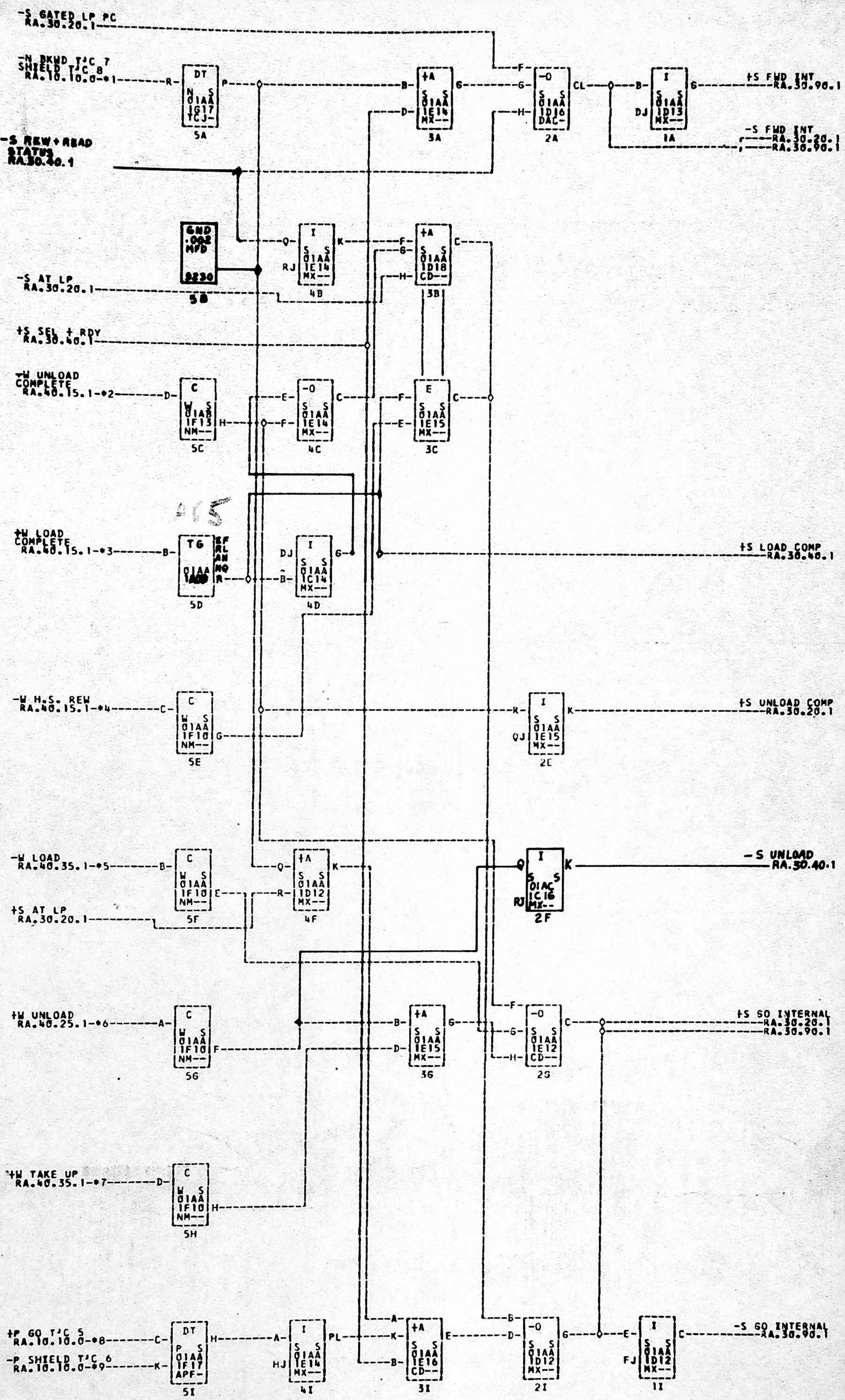
TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
~~A~~	~~07-02-63~~	~~253500~~		~~01-11-66~~	~~254335~~						
		JT85814									
	~~5G~~	~~[illegible]~~									
	19-11.69	JT86407									
	25565	JT86995									



*1--01A1619B *2--01A1619D *3--01A1619F *4--01A1619H *5--01A1619K *6--01A1619M *7--01A1619P *8--0-619C0M
*9--01A1619Q *A--01A1D24B *B--01A1D24D *C--01A1D24F *D--01A1D24H *E--01A1D24M
*F--01A1D24P *G--01A1D24R

	COMMENTS	
NOTE 1 CARDS IN	E20 TO F26 +	F20 TO F26
MODEL 2	ACW 370100	ACX 370099
MODEL 4	AFA 371925	ABK 371926
MODEL 5	ARK 370706	ARL 370707
MODEL 6	ALZ 370680	APZ 370681

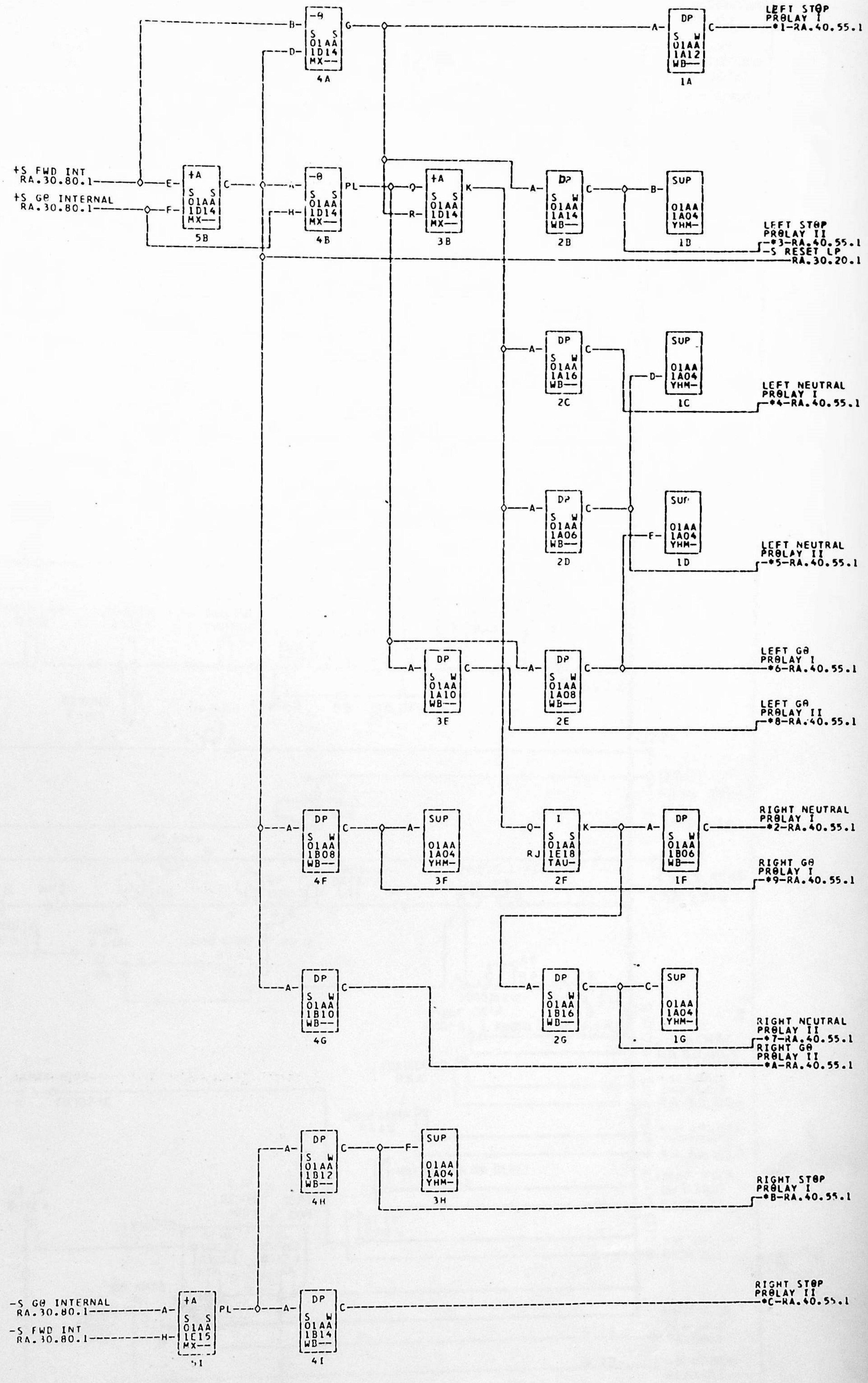
TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
~~A~~	~~07 02 63~~	~~253500~~									
	9-6-64	JT85814									



*1--01A1G16B---- *2--01A1G15H---- *3--01A1G13G---- *4--01A1G134---- *5--01A1G13L---- *6--01A1S13K----
*7--01A1G13C---- *8--01A1G15F---- *9--01A1G15E----

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
~~A~~	~~01-28-63~~	~~253500~~	~~B~~	~~10-16-63~~	~~253505~~	~~C~~	~~03-19-64~~	~~258760~~		~~01.11.66~~	~~254??~~
		J7B5814									
	26.6.64	J7B5645									
	25.5.65	J786995									

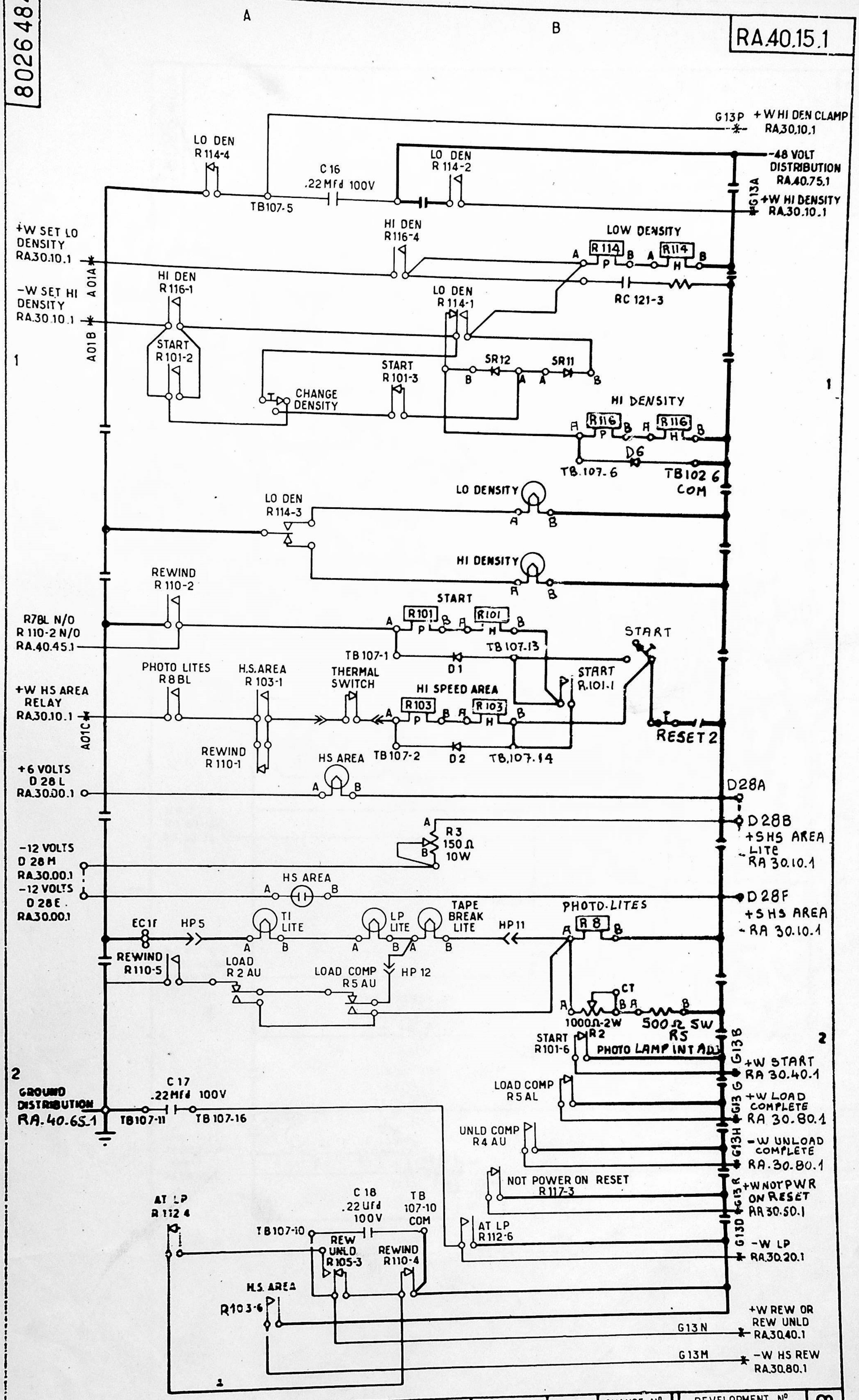


•1--01A1A03A--01A1A03B •2--01A1A02N--01A1A02P •3--01A1A03K--01A1A03L--01A1A03M •4--01A1A03N--01A1A03P
•5--01A1A03Q--01A1A03R •6--01A1A03C--01A1A03D--01A1A03E •7--01A1A02Q--01A1A02R •8--01A1A03F--01A1A03G
•9--01A1A02C--01A1A02D--01A1A02E •A--01A1A02F--01A1A02G •B--01A1A02A--01A1A02B--01A1A02M •C--01A1A02K--01A1A02L

COMMENTS

NOTE 1 SEE PAGE RA.40.55.1 FØR PRØLAY CURRENT DISTRIBUTIØN ØN PADDLES A02 AND A03

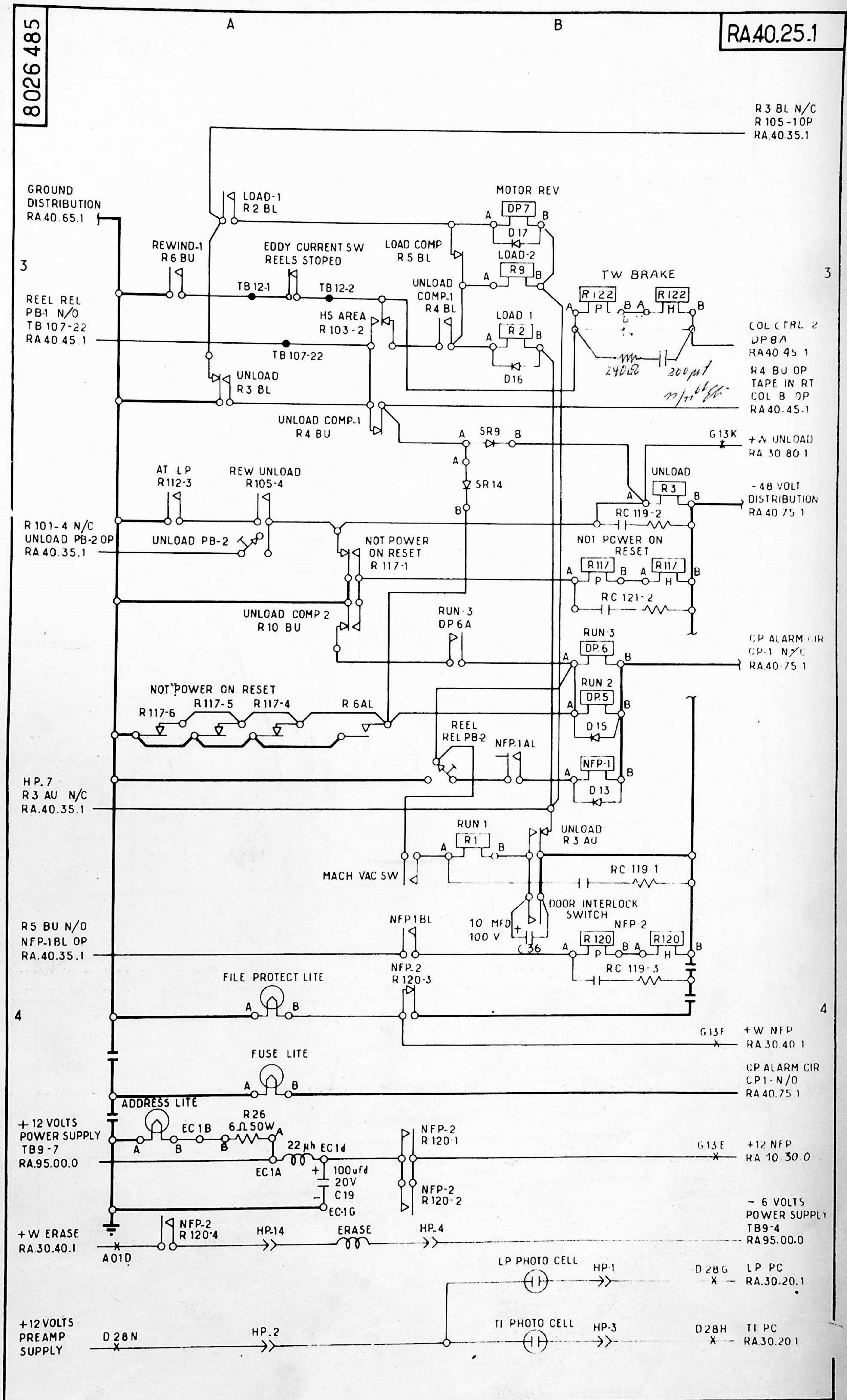
TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.
~~A~~	~~07-02-63~~	~~251500~~	~~B~~	~~03-23-64~~	~~253760~~						
		JT85814			JT85645						



IBM				DATE	CHANGE Nº	DATE	CHANGE Nº	DATE	CHANGE Nº	DEVELOPMENT Nº
SYSTEMS DIAGRAM				18.11.63	EC253505					
RA.40.15.1				13.2.64	EC253515					
PROJET			TYPE		JT 85814					
DESSIN	8049	27.3.63	ECHEL	21.1.65	EC254098					RA.40.15.1
VERIF	8021	5.3.63	CALQ	30.11.65	87441					
APPR			VERIF							

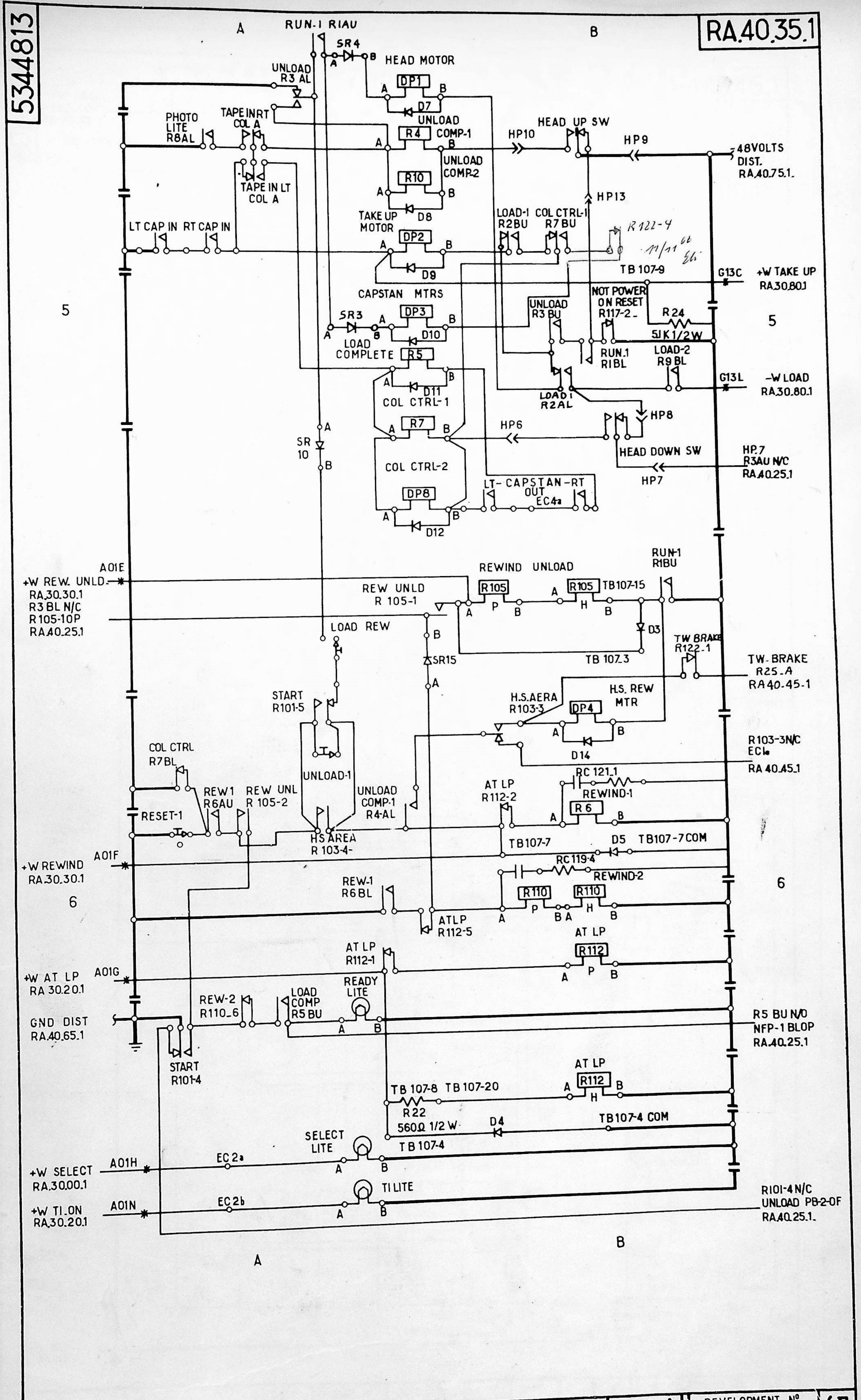
8026485

RA40.25.1



IBM		DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM RA40.25.1	18-11-63	EC 253505	26.6.64	JT85645			
PROJET	TYPE	20.2.64	EC 253515					
DESSIN RD49 28-2-63	ECHEL.	23.4.64	EC 253782					
VERIF. Ra27 5.3.63	CALQ.	9.6.64	JT 85814					RA.40.25.1
APPR.	VERIF.	21.5.64	EC 253760					

8026485



IBM				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
NOM'	SYSTEMS DIAGRAM RA 40.35.1			18-11-63	EC 253505				
				20.2.64	EC 253515				
PROJET			TYPE 729 B	23.4.64	EC 253782				
DESSIN	RD46	27-2-64	ECHEL.	9.6.64	JT 85814				
VERIF.	R1.27	2.2.64	CALQ.						
APPR.			VERIF.						

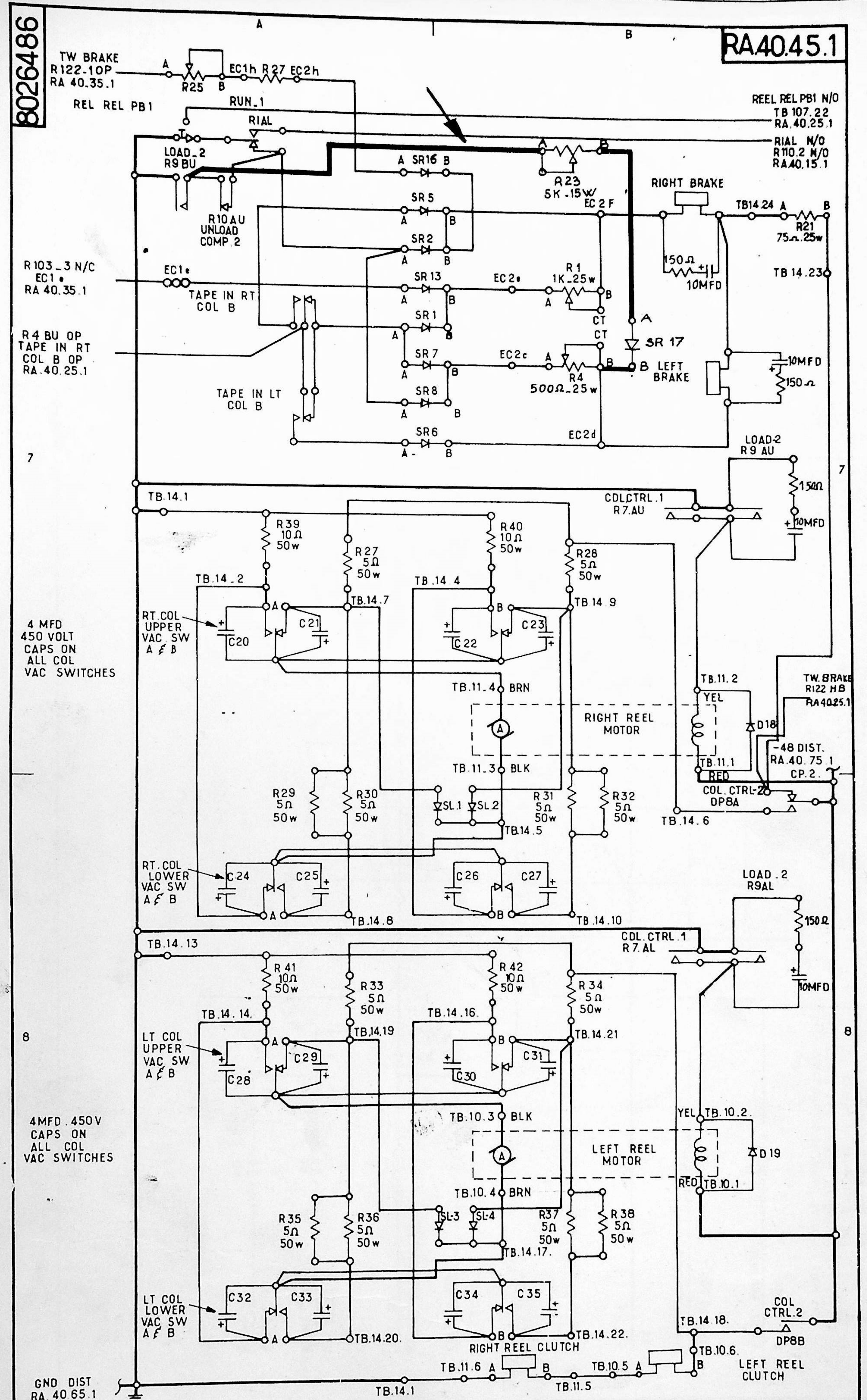
DEVELOPMENT N°

RA.40.35.1

5344813

8026486

RA40.45.1



IBM				
NOM	SYSTEMS DIAGRAM			
	RA. 40.45.1			
PROJET			TYPE	
DESSIN	[illegible]25	5.3.64	ECHEL.	
VERIF.	RD27	5.3.64	CALQ.	
APPR.			VERIF.	

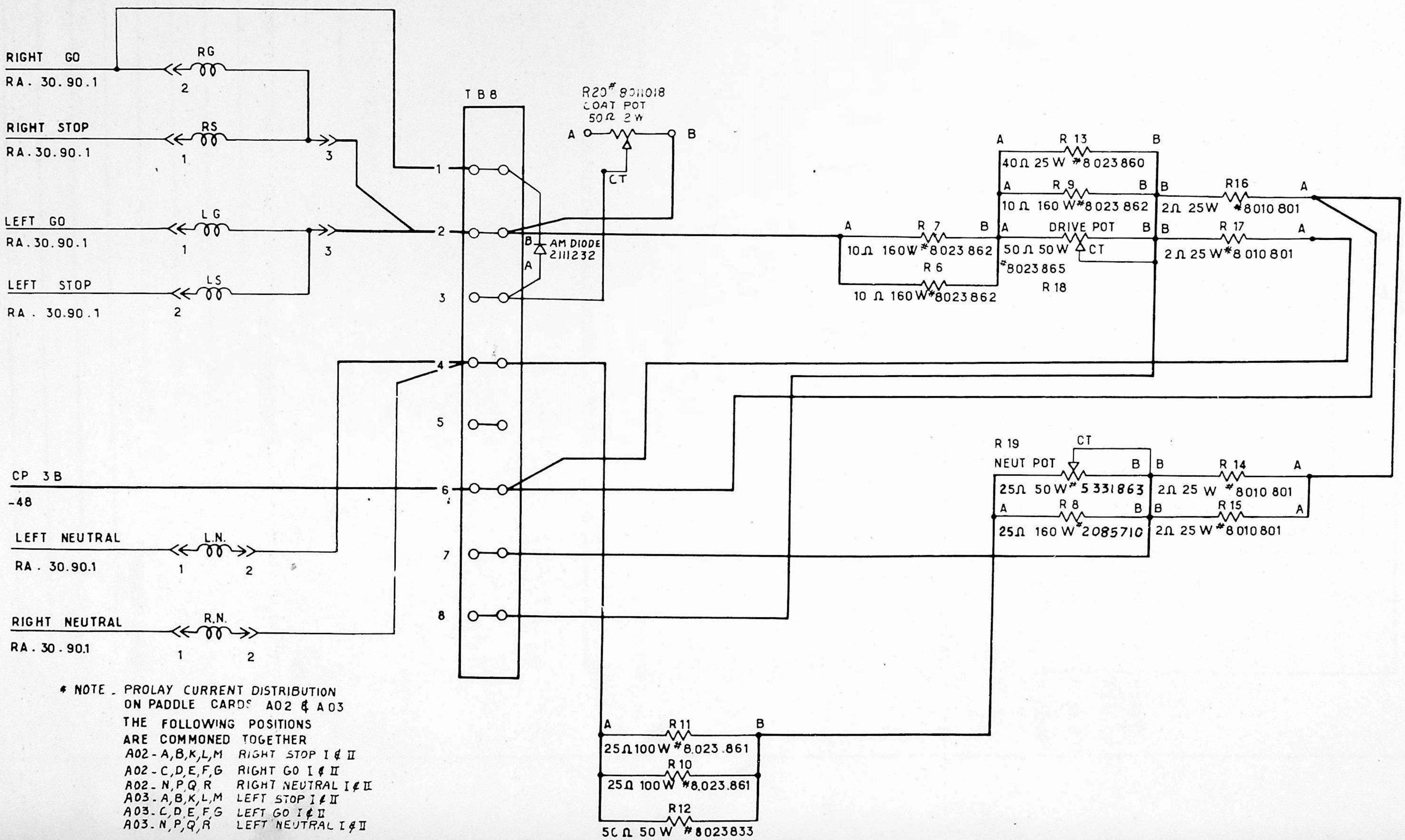
DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
18.11.63	EC 253505		ECR 90028		
19.2.64	EC 253515				
23.4.64	EC 253782				
	JT 85814				
26.6.64	JT 85645				

DEVELOPMENT N°

RA40.45.1

8026486

8 026 487



* NOTE . PROLAY CURRENT DISTRIBUTION ON PADDLE CARDS A02 & A03
THE FOLLOWING POSITIONS ARE COMMONED TOGETHER

A02 - A,B,K,L,M	RIGHT STOP I & II
A02 - C,D,E,F,G	RIGHT GO I & II
A02 - N,P,Q,R	RIGHT NEUTRAL I & II
A03 - A,B,K,L,M	LEFT STOP I & II
A03 - C,D,E,F,G	LEFT GO I & II
A03 - N,P,Q,R	LEFT NEUTRAL I & II

IBM			
NOM	SYSTEMS DIAGRAM		
	RA . 40.55.1		
PROJET		TYPE	729
DESSIN	RD32 3-3-64	ECHEL.	
VERIF.	R.Da 3.3.64	CALQ.	
APPR.		VERIF.	

DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
10-10-63	EC 253500	21.12.64	JT 86507		
19.2 64	EC 253515				
21.4.64	EC 253782				
	JT 85814				
18-11-64	EC 254337				

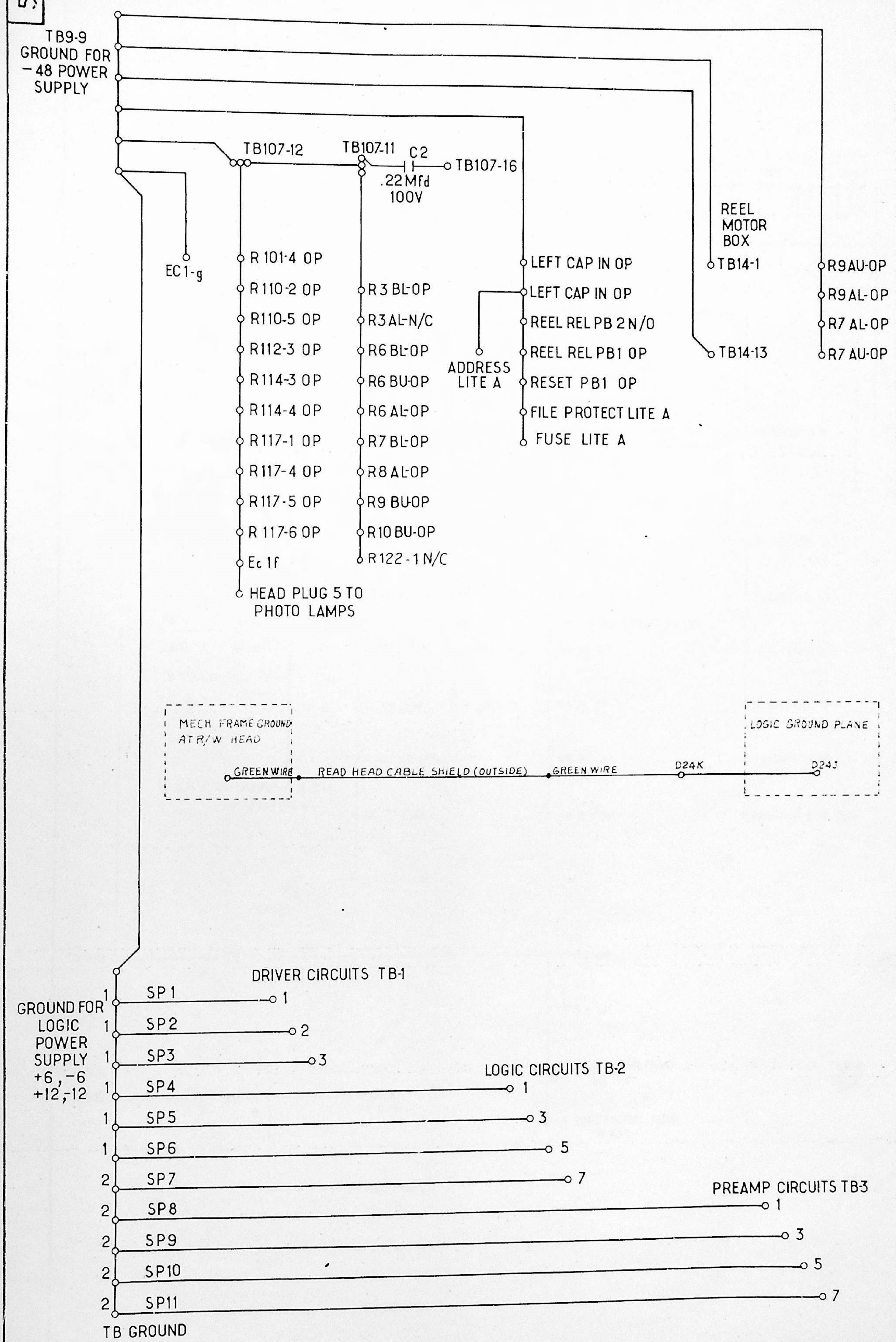
DEVELOPMENT N°

RA.40.55.1

8026 487

RA.40.55.1

GROUND DISTRIBUTION

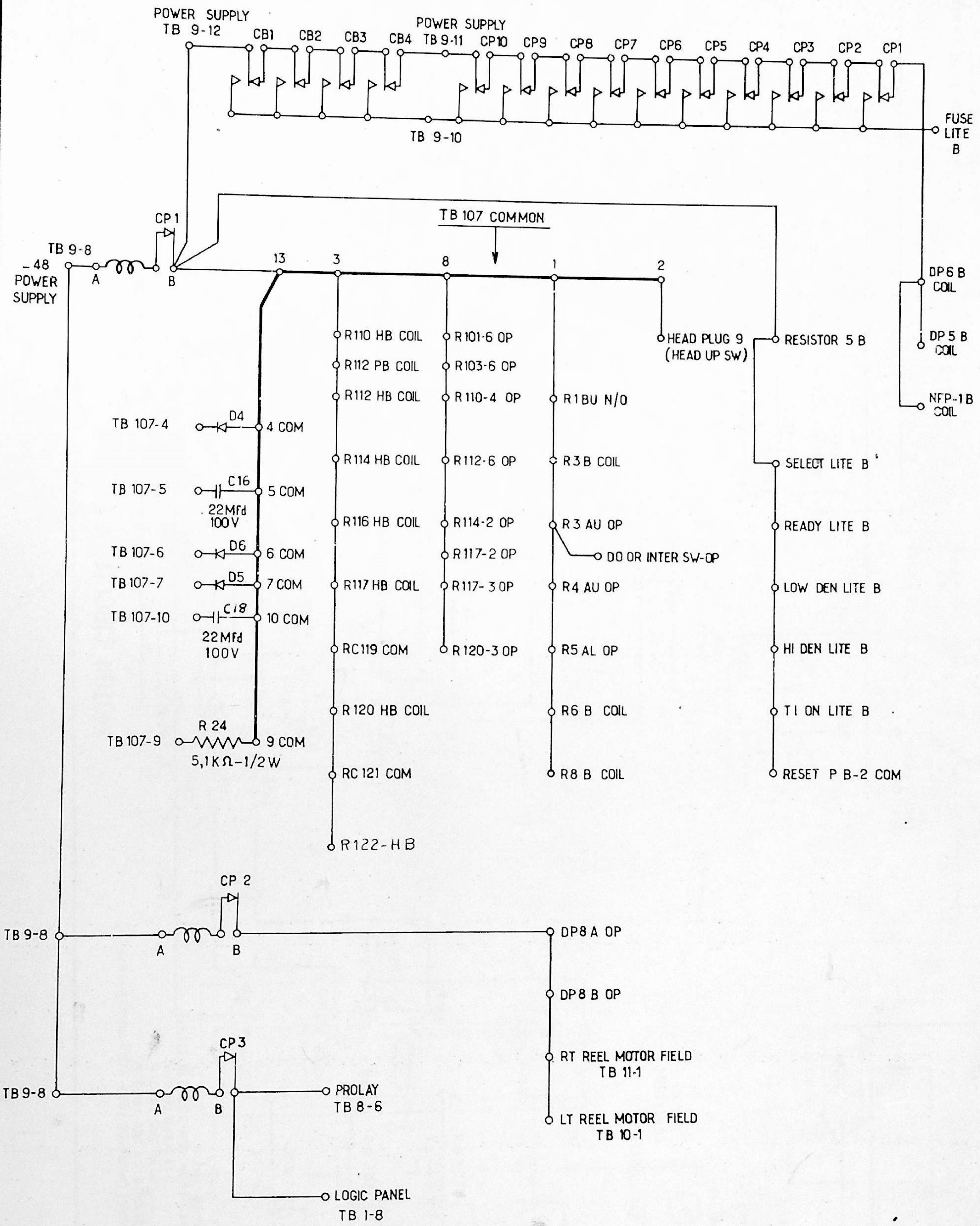


IBM			
NOM	SYSTEMS DIAGRAM RA 40-65-1		
PROJET			TYPE
DESSIN	RD 49	5-3-63	ECHEL.
VERIF.	RDa27	5.3.63	CALQ.
APPR.			VERIF.

DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
18-11-63	EC 253 505				
19.2.64	EC 253515				
9.6.64	JT 85814				

DEVELOPMENT N°

– 48 VOLT DISTRIBUTION



IBM				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM			18.11.63	EC 253505					
	RA. 40.75.1			23.4.64	EC 253782					
PROJET		TYPE		9-6-64	J185814					
DESSIN	RD27	2.3.64	ECHEL.							
VERIF.	R Da	3.3-64	CALQ.							
APPR.			VERIF.							RA.40.75.1

2085975

SHEET. 1.OF.2.

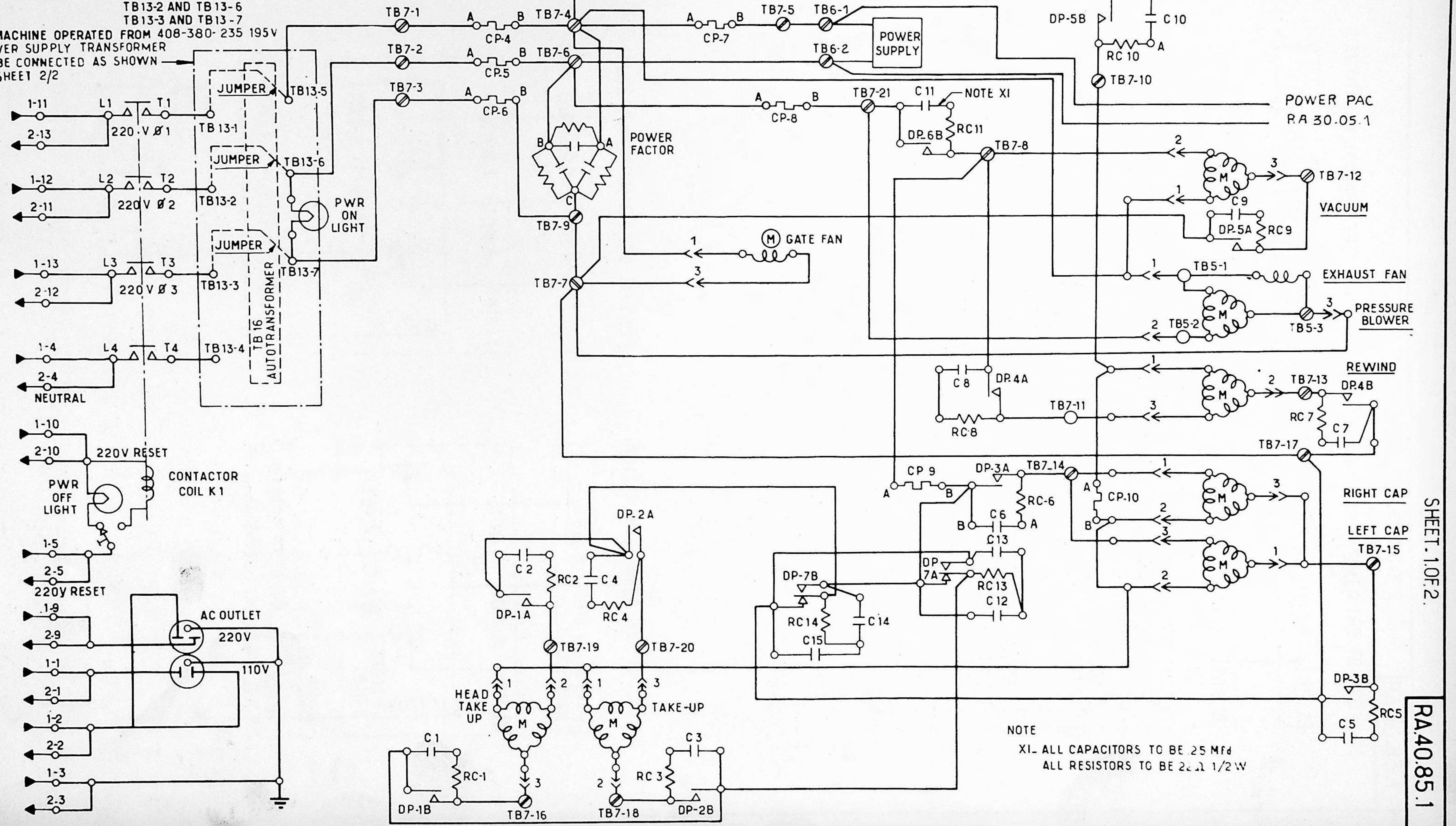
RA.40.85.1

MOTOR CIRCUIT

NOTES.

I. STANDARD MACHINE (OPERATED FROM 220V POWER SUPPLY)
JUMPERS BETWEEN TB13-1 AND TB13-5
TB13-2 AND TB13-6
TB13-3 AND TB13-7

II. MACHINE OPERATED FROM 408-380-235 195V
POWER SUPPLY TRANSFORMER
TO BE CONNECTED AS SHOWN
IN SHEET 2/2



NOTE

XI. ALL CAPACITORS TO BE .25 Mfd
ALL RESISTORS TO BE 2.2Ω 1/2 W

IBM

NOM: SYSTEMS DIAGRAM
RA40-85-1

PROJET			TYPE	
DESSIN	RD49	4-3-64	ECHEL.	
VERIF.	RD27	5 3. 64	CALQ.	
APPR.			VERIF.	

DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
11-3-65	86720				

DEVELOPMENT N°

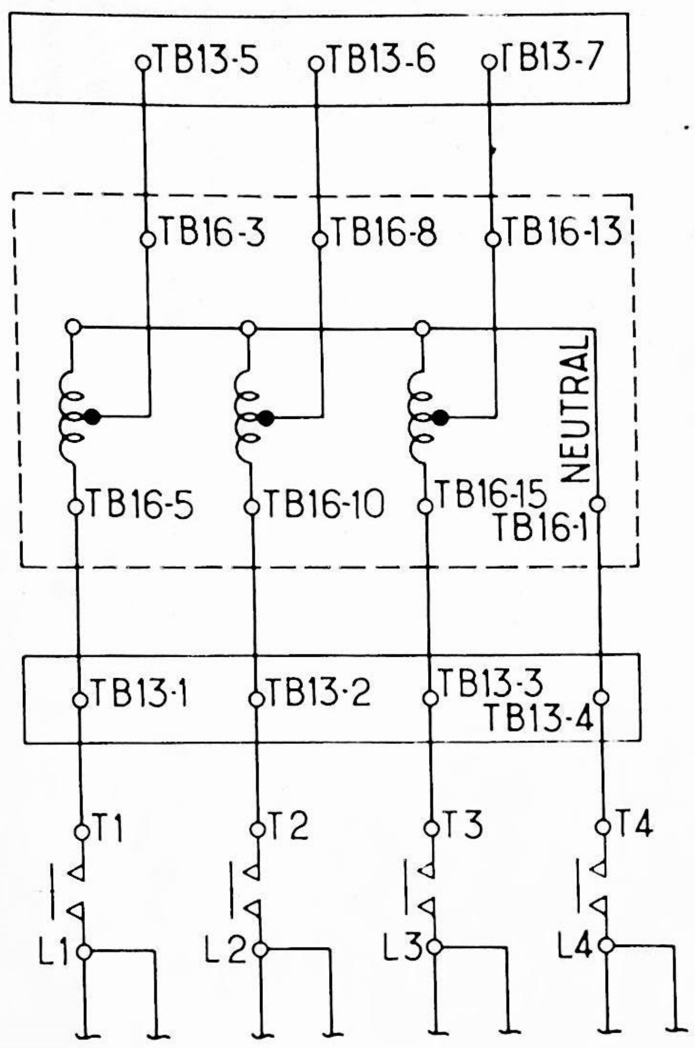
RA.40.85.1

2085975

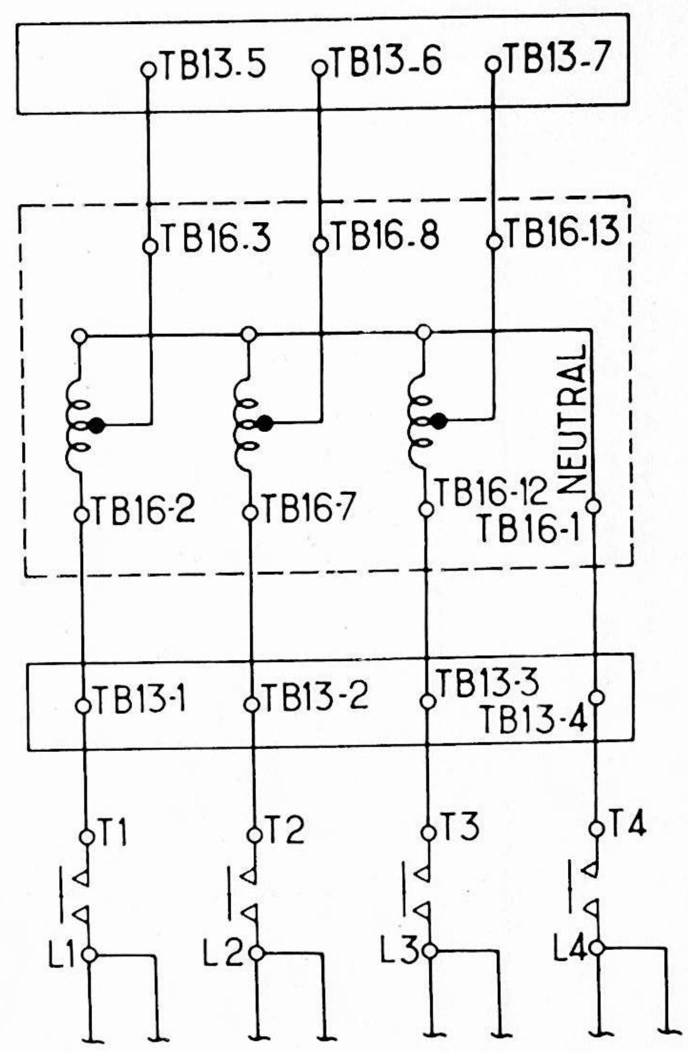
2085975

RA 40.85.1

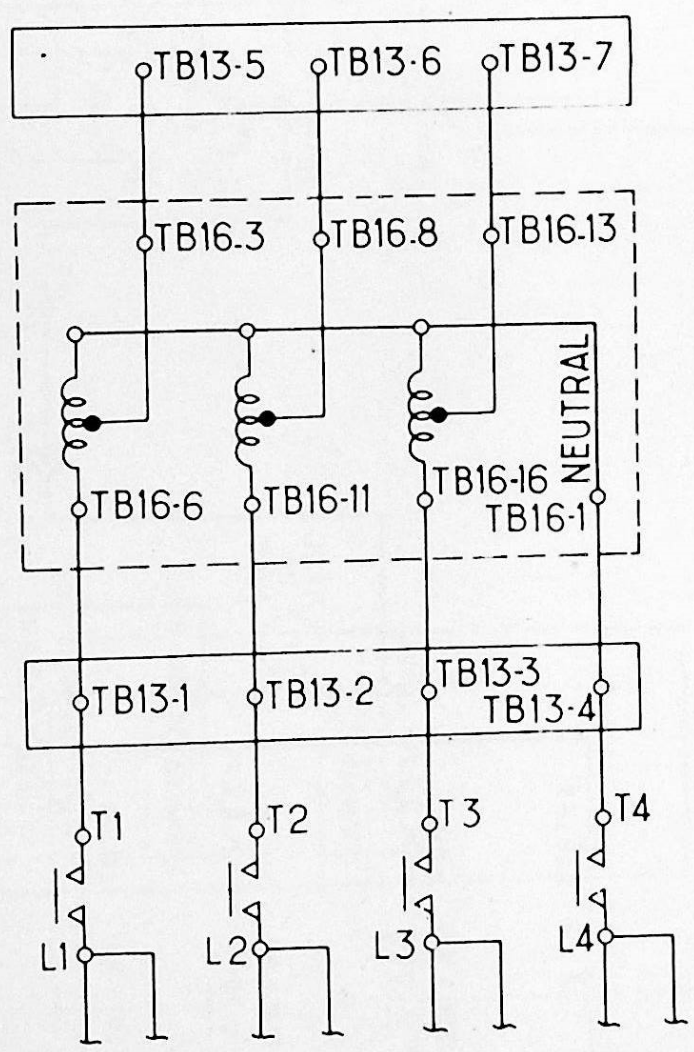
AUTOTRANSFORMER 380 TO 220V



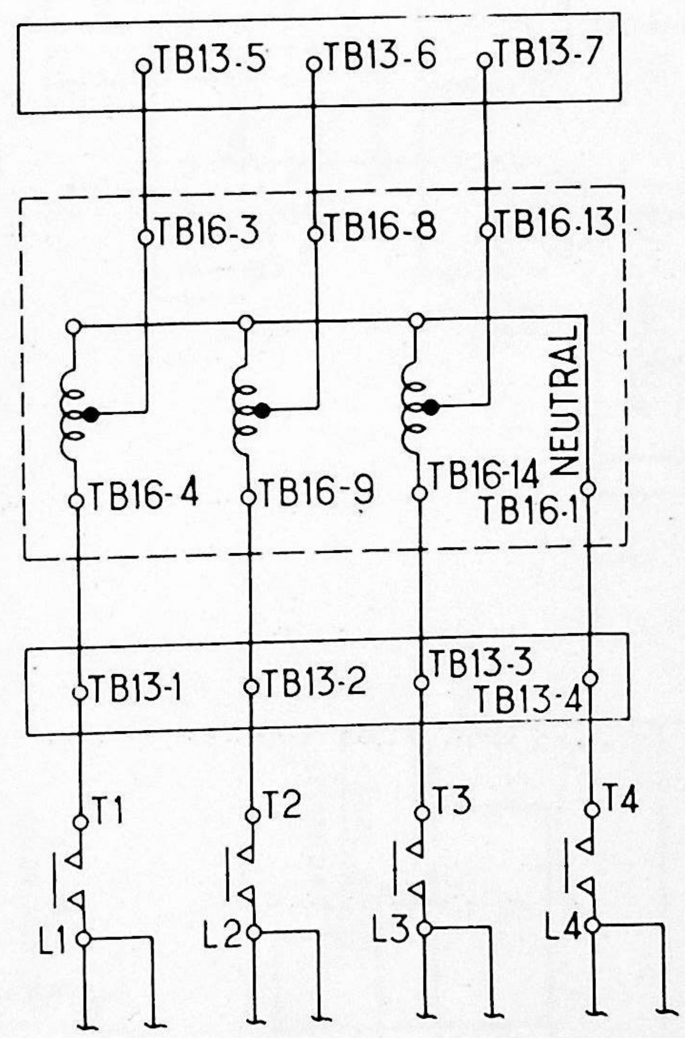
AUTOTRANSFORMER 195 TO 220V



AUTOTRANSFORMER 408 TO 220 V



AUTOTRANSFORMER 235 TO 220 V



IBM				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°
NOM	SYSTEMS DIAGRAM RA.40.85.1			14.3.65	86720				
PROJET			TYPE						
DESSIN	RD49	16.2.55	ECHEL.						
VERIF.	RD42	16.2.55	CALQ.						
APPR.			VERIF.						

DEVELOPMENT N°

RA 40.85.1

2085 975

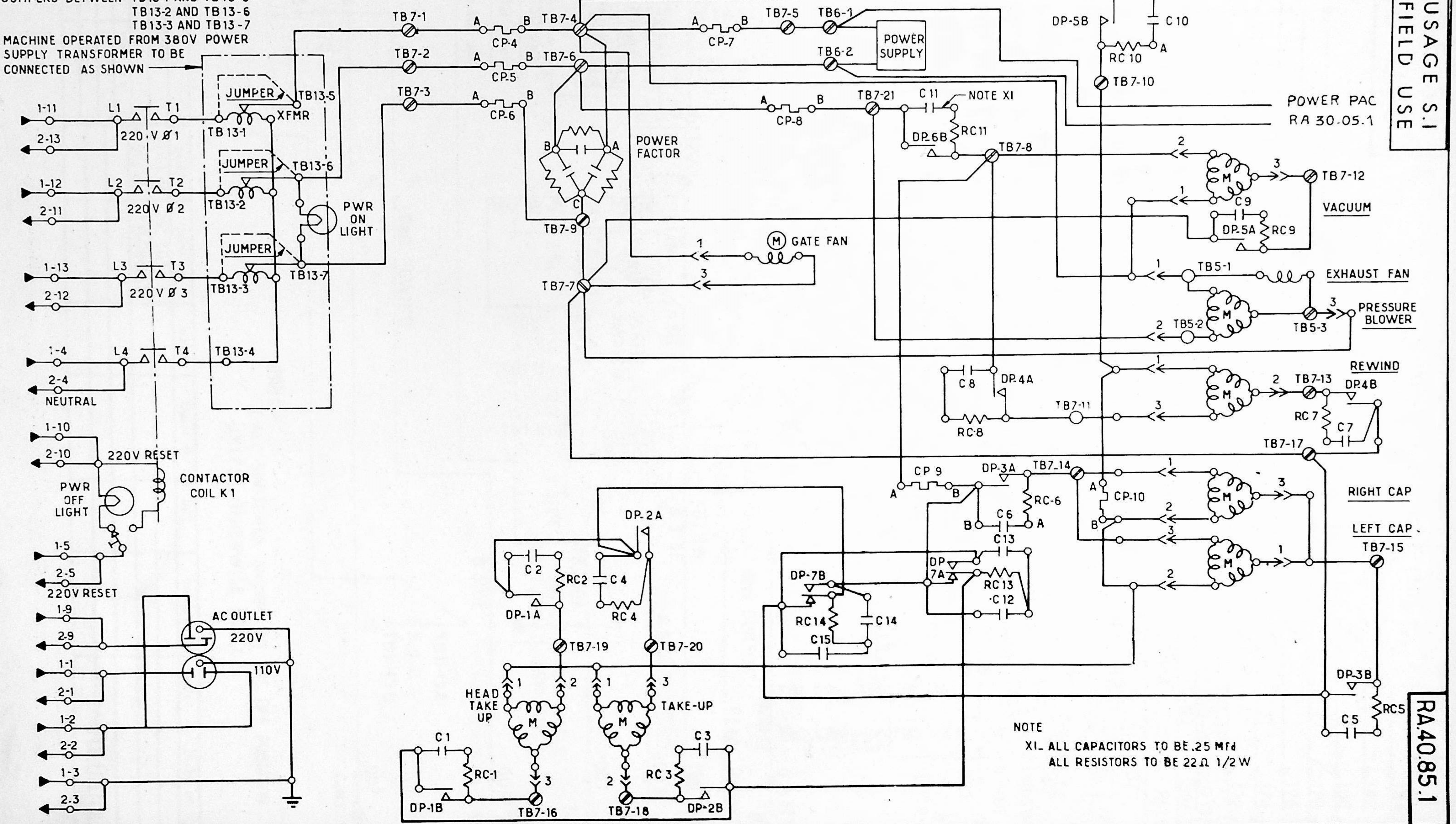
USAGE S.I
FIELD USE

MOTOR CIRCUIT

NOTES.

I. STANDARD MACHINE (OPERATED FROM 220V POWER SUPPLY) JUMPERS BETWEEN TB13-1 AND TB13-5, TB13-2 AND TB13-6, TB13-3 AND TB13-7

II. MACHINE OPERATED FROM 380V POWER SUPPLY TRANSFORMER TO BE CONNECTED AS SHOWN



NOTE

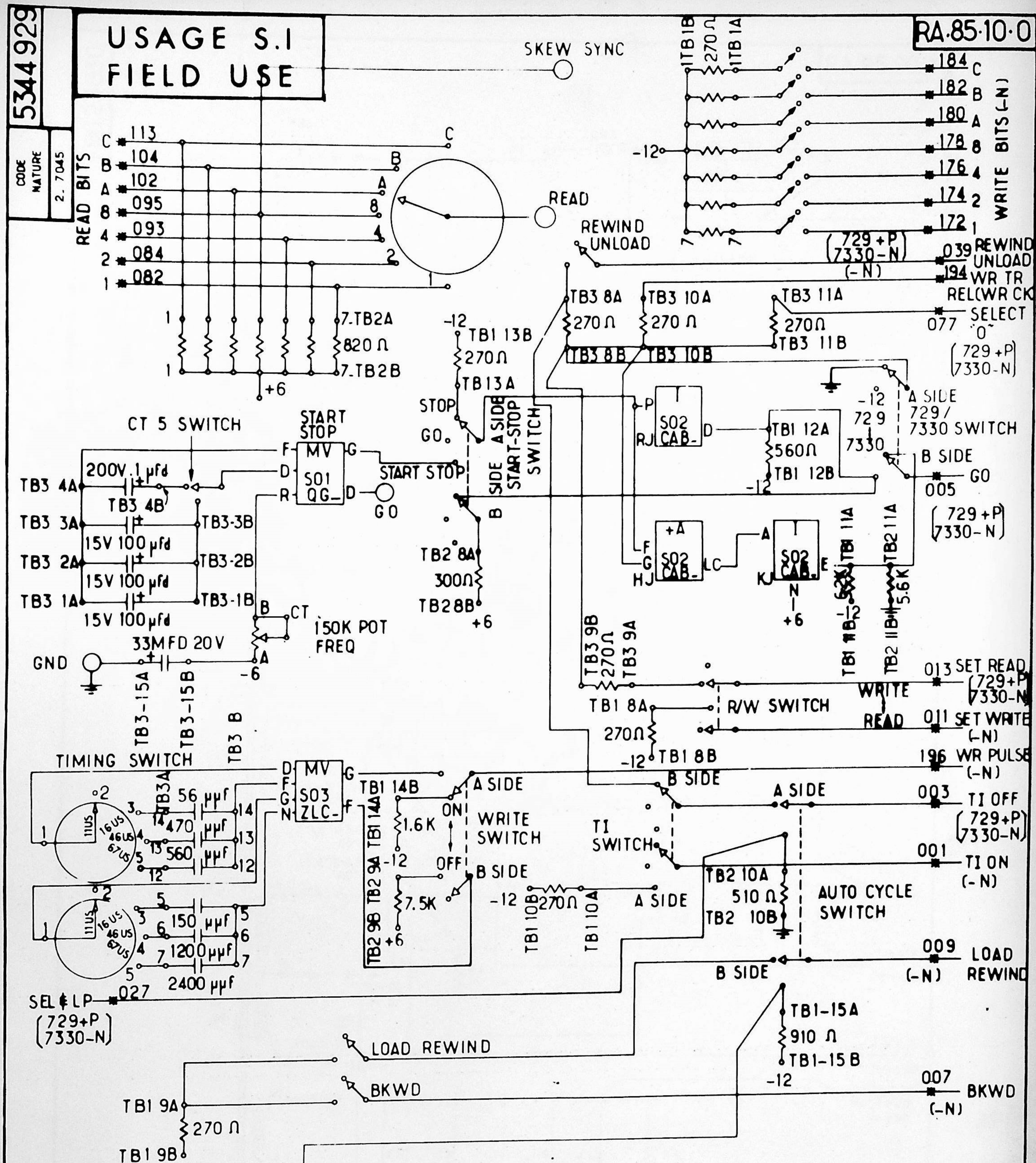
XI. ALL CAPACITORS TO BE .25 Mfd
ALL RESISTORS TO BE 22 Ω 1/2 W

				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
IBM				18-11-63	EC 253 505					
NOM	SYSTEMS DIAGRAM RA 40-85-1				JT 858 14					
PROJET		TYPE		14365	1T86720					
DESSIN	RD49	4-3-64	ECHEL.							RA.40.85.1
VERIF.	RDa27	5 3. 64	CALQ.							
APPR.			VERIF.							

5344929

CODE NATURE 2. 7045

USAGE S.I FIELD USE



-NOTE-
X ALL SWITCHES SHOWN IN THE OFF POSITION UNLESS OTHERWISE NOTED

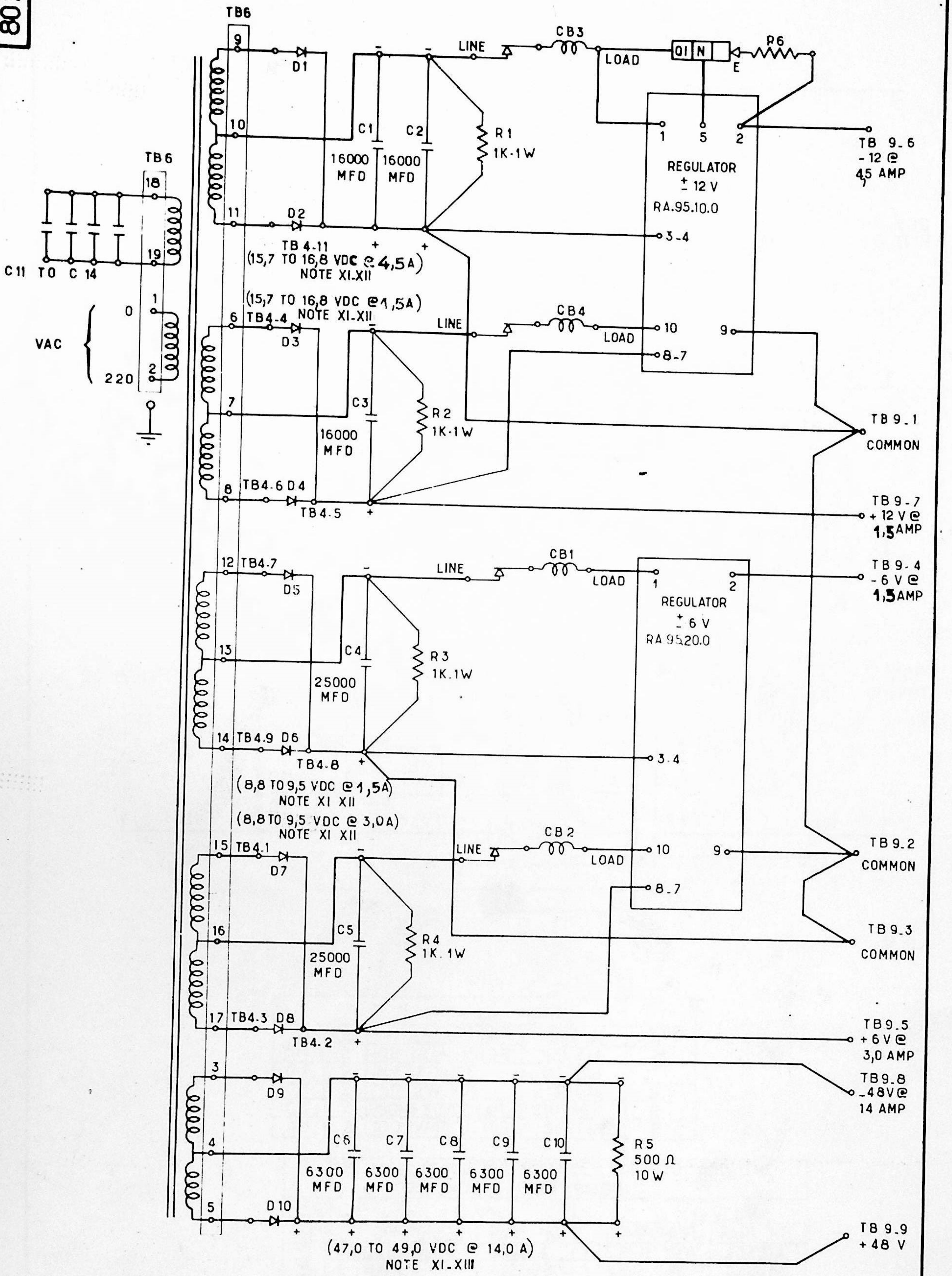
				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
	IBM			21-10-63	253 503						
NOM	SYSTEMS DIAGRAM			4-12-64	JT86363A						
	RA. 85.10.0										
PROJET		TYPE	729 / 7330								
DESSIN	RD48 13 11 64	ECHEL									
VERIF	13 11 64	CALQ									
APPR		VERIF									

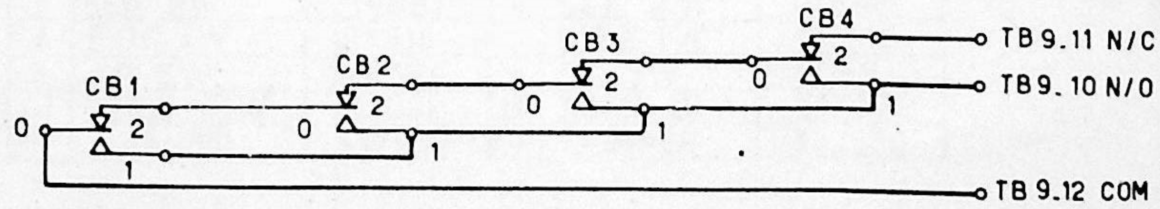
RA.85.10.0

5344929

8023830

RA.95.00.0





NOTES _

XI_ BULK D C MEASURED ACROSS CAPACITORS

XII_ DC MUST MAINTIEN THIS BAND FOR ± 10 % SWING FROM NOMINAL AC IMPUT AND LOAD CHANGE AS PER ENG SPEC 8023871

XIII_ REFER TO REGULATION TOL AS PER SPEC 8023871

SIMILAIRE A 5344871

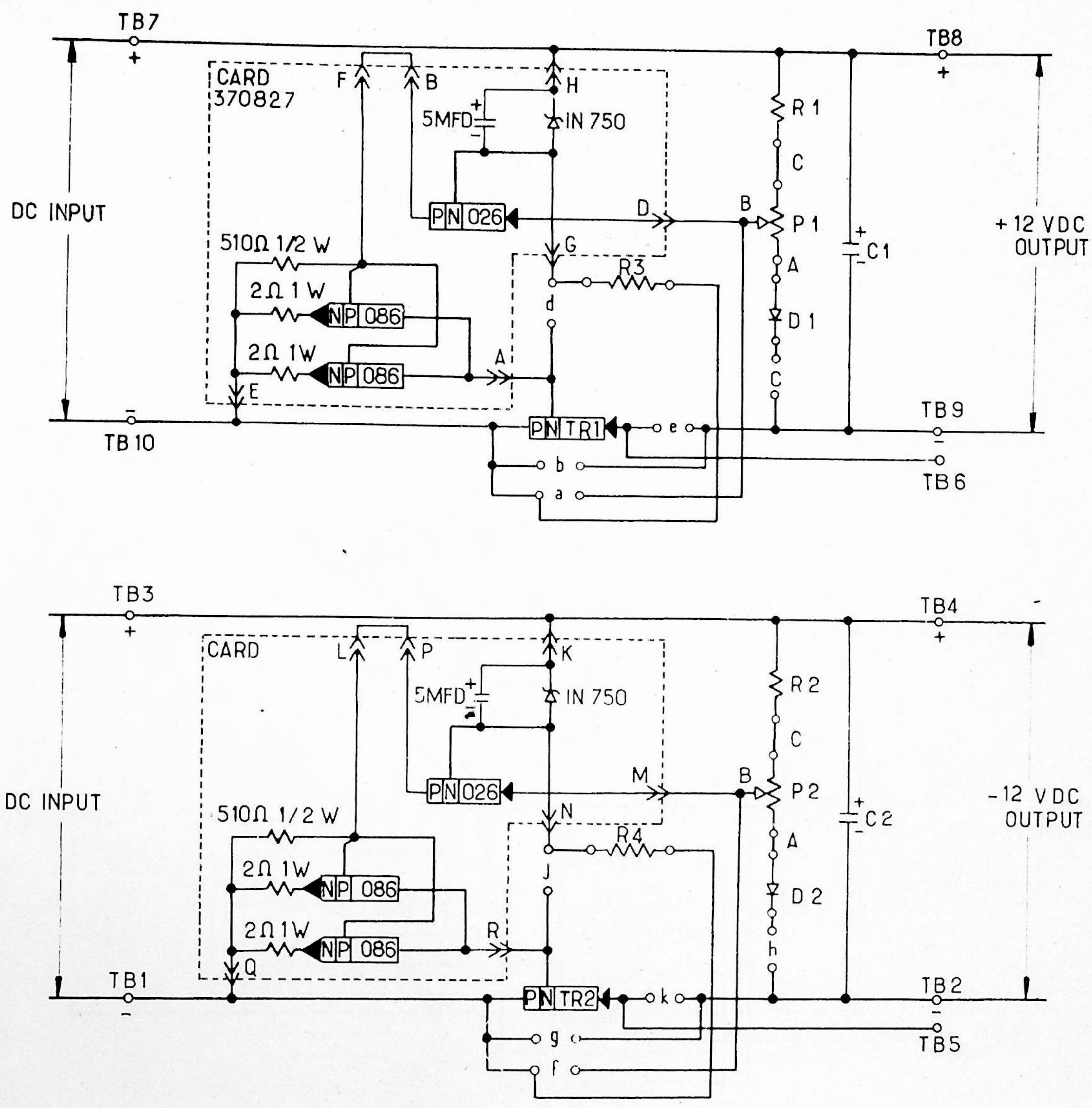
SYMBOL	DESCRIPTION	PART NO	QTY
C4 _ C5	25000 MFD 12/15 VDC	2092 907	2
T1	TRANSFORMER	8023 976	1
D3 _ D8	2 AMP DIODE	5 323 537	6
D9 _ D10	20 AMP DIODE	8019 354	2
C1 _ C3	16000 MFD 25/30 VDC	2092 906	3
C6 _ C10	6300 MFD 55/65 VDC	2092 920	5
CB3	5 A DC	8023 834	1
CB1-CB4	2 A DC	8021 667	2
R1 _ R4	1 KΩ-1 W RES	317 049	4
R5	500 Ω - 10 W RES	2078 043	1
C11.C14	18 MFD 300 VAC	8010 761	4
Q1	108 TR STR	369 214	1
R6	0,2 Ω 5 W	208 959	1
CB2	3ADC	2092 387	1
D1-D2	6AMP DIODE	8011021	2

IBM				
NOM	SYSTEMS DIAGRAM			
RA . 95.00.0				
PROJET			TYPE	729B
DESSIN	45	28.2.64	ECHEL.	
VERIF.	R. Da	3-3-64	CALQ.	
APPR.			VERIF.	

DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
10.10.63	EC25 3500					
2 19-64	E. 253515					
23·3·64	JT 85224					
						RA.95.00.0

8023830

± 12 VDC REGULATOR



COMPONENT CHART			
SYMBOL	DESCRIPTION	PART NO	QTY
TR1_TR2	108 TRANSISTOR	369214	2
D 1_D 2	IN 537 DIODE	207398	2
P 1_P 2	25Ω 2W POT	2132014	2
C 1_C 2	250MF 50VDC CAPAC	2109462	2
R 1_R 2	30Ω 1W RESISTOR	509507	2

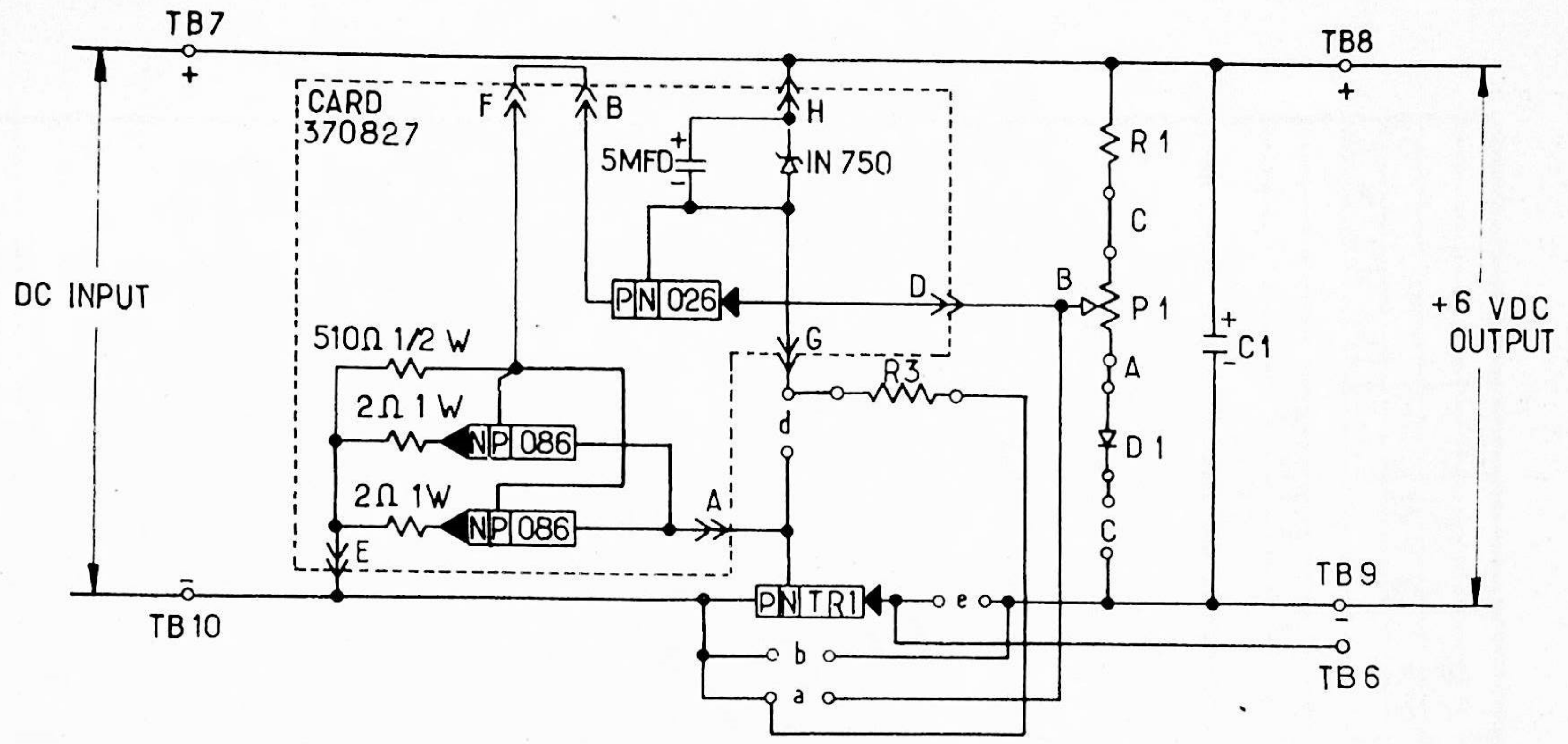
TO THE BASIC REGULATOR ASSEMBLY 342070 ADD THE COMPONENTS LISTED BELOW

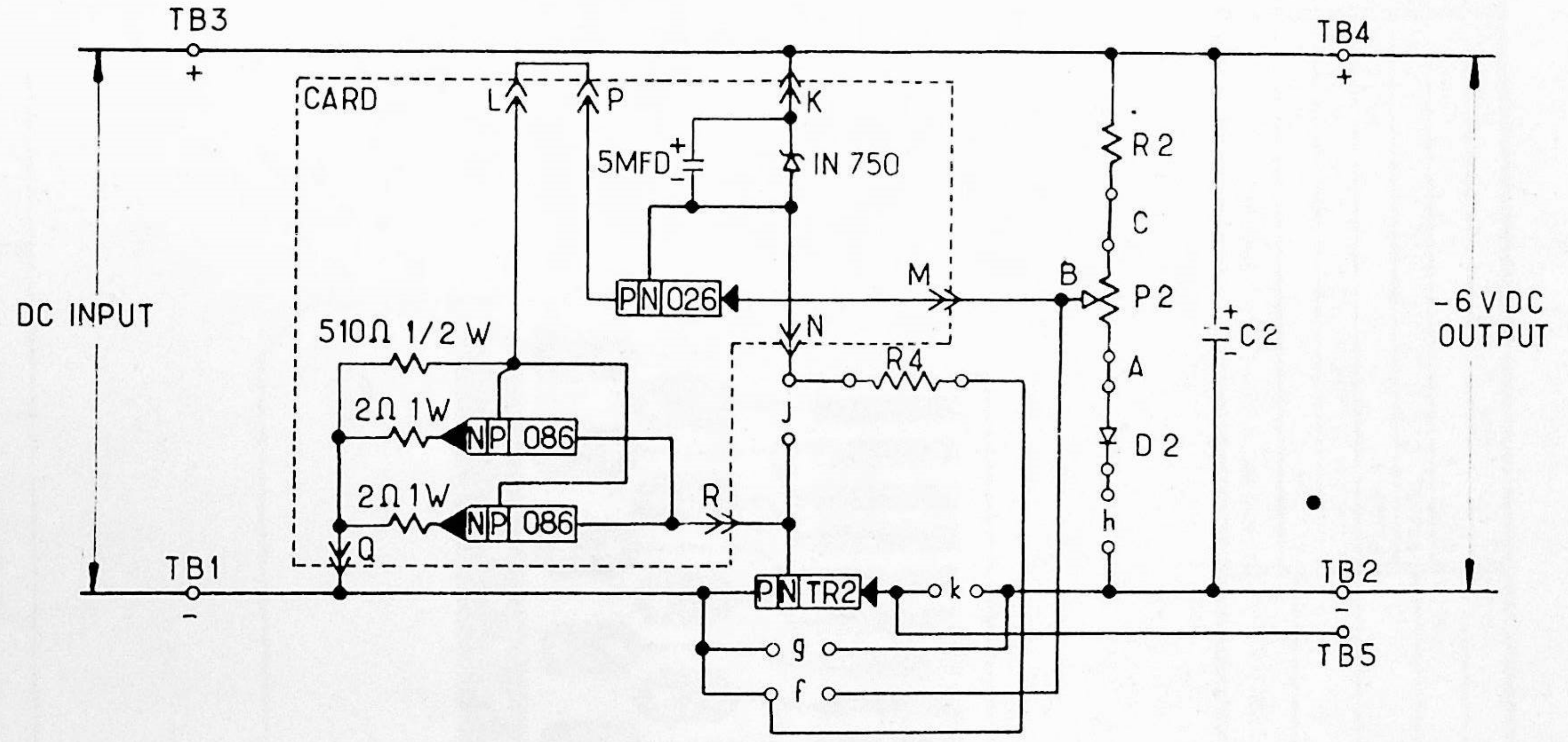
FOR VOLTAGE LEVEL		+12 VDC			-12 VDC	
		COMPONENT	PART NO		COMPONENT	PART NO
TERMINALS	a	6,2KΩ 1/2W	334914	f	6,2KΩ 1/2W	334914
TERMINALS	b	100Ω 2W	322888	g	100Ω 2W	322888
TERMINALS	c	56Ω 2W	216981	h	56Ω 2W	216981
TERMINALS	d	510Ω 1W	103915	j	510Ω 1W	103915
TERMINALS	e	.1Ω 5W	207324	k	.5Ω 5W	208970
R3R4	a.d	3,9KΩ 1/2W	317022	j.f	3,9KΩ 1/2W	317022
CARD SOCKET PINS	B-F	JUMPER	337530	LP	JUMPER	337530

IBM				DATE	CHANGE N°	DATE	CHANGE N°	DATE	CHANGE N°	DEVELOPMENT N°
NOM	SYSTEMS DIAGRAM			10-10-63	253500					
	RA 95.10.0			23-3-64	IT 85224					
PROJET		TYPE	729 B							
DESSIN		ECHEL.								RA.95.10.0
VERIF.		CALQ.								
APPR.		VERIF.								

5344884

± 6 VDC REGULATOR





COMPONENT CHART

SYMBOL	DESCRIPTION	PART NO	QTY
TR1_TR2	108 TRANSISTOR	369214	2
D 1_D 2	IN 537 DIODE	207398	2
P 1_P 2	25Ω 2W POT	2132014	2
C 1_C 2	25MFD 50VDC CAPAC	2109462	2
R 1_R 2	30Ω 1W RESISTOR	509507	2

TO THE BASIC REGULATOR ASSEMBLY 342070 ADD THE COMPONENTS LISTED BELOW

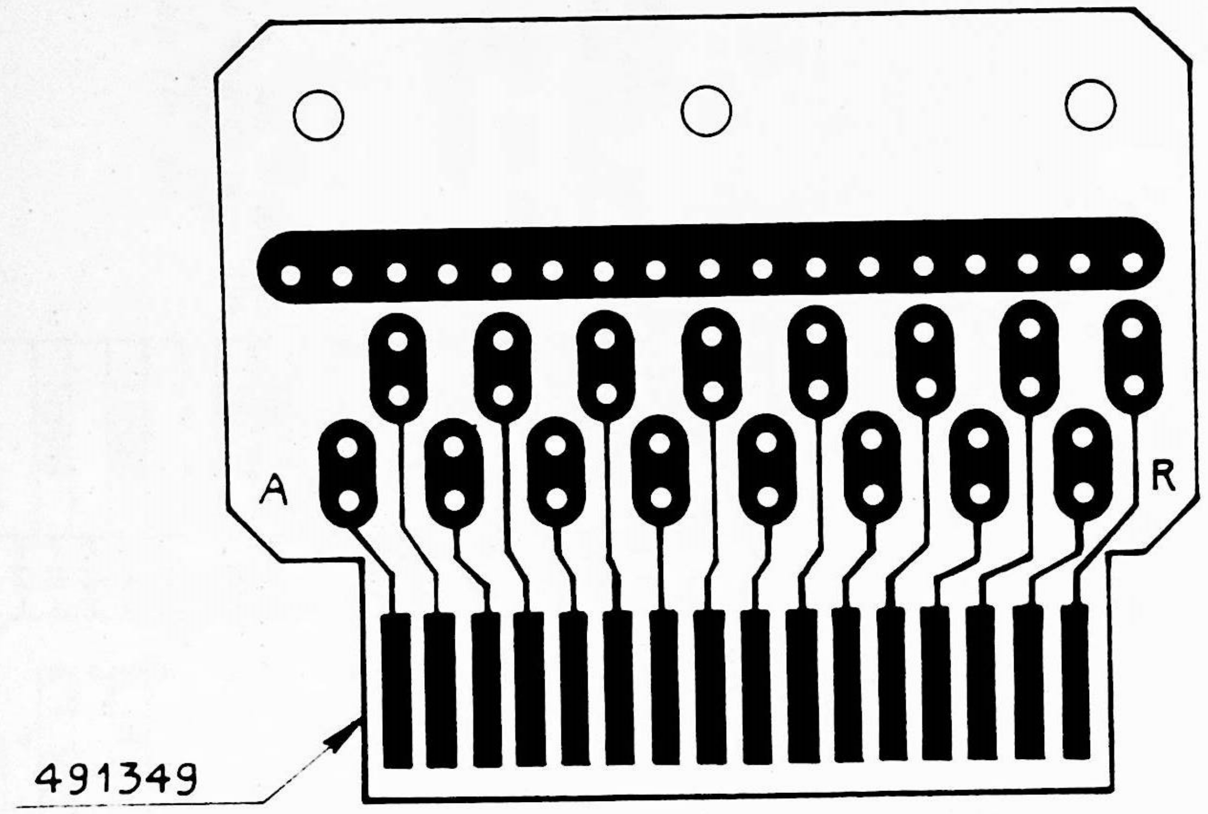
FOR VOLTAGE LEVEL		+6VDC COMPONENT	+6VDC PART NO		-6VDC COMPONENT	-6VDC PART NO
TERMINALS	a	3KΩ 1/2W	323920	f	3KΩ 1/2W	323920
TERMINALS	b	75Ω 2W	216986	g	75Ω 2W	216986
TERMINALS	c	JUMPER	337519	h	JUMPER	337519
TERMINALS	d	220Ω 1/2W	317007	j	220Ω 1/2W	317007
TERMINALS	e	.2Ω 5W	208959	k	.1Ω 5W	207324
R3R4	a-d	2KΩ 1/2	317019	j-f	2KΩ 1/2	317019
CARD SOCKET PINS	B-F	JUMPER	337530	LP	JUMPER	337530

IBM				DATE	CHANGE Nº	DATE	CHANGE Nº	DATE	CHANGE Nº	DEVELOPMENT Nº
NOM	SYSTEMS DIAGRAM			10.10.63	253500					
	RA.95.20.0			23.3.64	IT 85224					
PROJET		TYPE	729B							
DESSIN		ECHEL.								
VERIF.		CALQ.								RA.95.20.0
APPR.		VERIF.								5344883

MPR 0-0506.5

CODE NATURE		APPROBATION TECHNIQUE			SYMB	DATE	CHANG N°	APP TECHN	SYMB	DATE	CHANG N°	APP TECHN
2-7500		ÉLEC				26.10.61	EC 250263					
PREMIÈRE UTILISAT	QTÉ	MÉTAL				29.1.62	JT 80823					
		PLASTIQUE			A1	22.11.62	JT 82860					
348602	2	FINITION										

348542



LISTE DES COMMUNS		
DE-	A-	N°
A	B	491296
C	D	491296
E	K	347124
F	J	347124
G	L	347124
H	M	347124
N	P	491296
Q	R	491296

491349 - Circuit Imprimé

$\boxed{A}$ 491296 - Fil jauge 20 dénudé

347124 - Fil jauge 22 jaune

Notes X. Assemblé suivant spécif. 890470

XI. Marquer K24 et K26 sur le côté opposé

SPÉC. MATIÈRE	N°
PROF. CÉM	
DURETÉ	
TRAIT SURFA	
348542	A

TOLERANCES GENERALES		
DIMENSIONS ±		
ANGLES ±		
ARÊTES ET ANGLES ABATTUS	EXTÉR.R	MAX
	INTÉR.R	MAX

CONFORME A CAHIER DES CHARGES	
ALIGNÉ A	NOTE I
CONCENTRIQUE A DU A	NOTE II
PLAN A	NOTE III
PARALLÈLE A DU A	NOTE IV
DROIT A	NOTE V
D'ÉQUERRE A DU A	NOTE VI

IBM				
NOM	ASS. CARTE			
PROJET			TYPE	729 A II, A IV
DESSIN	DJe	3.1.62	ÉCHELLE	
VÉRIF	[signature]	3.1.62	CALC	
APPR			VÉRIF	

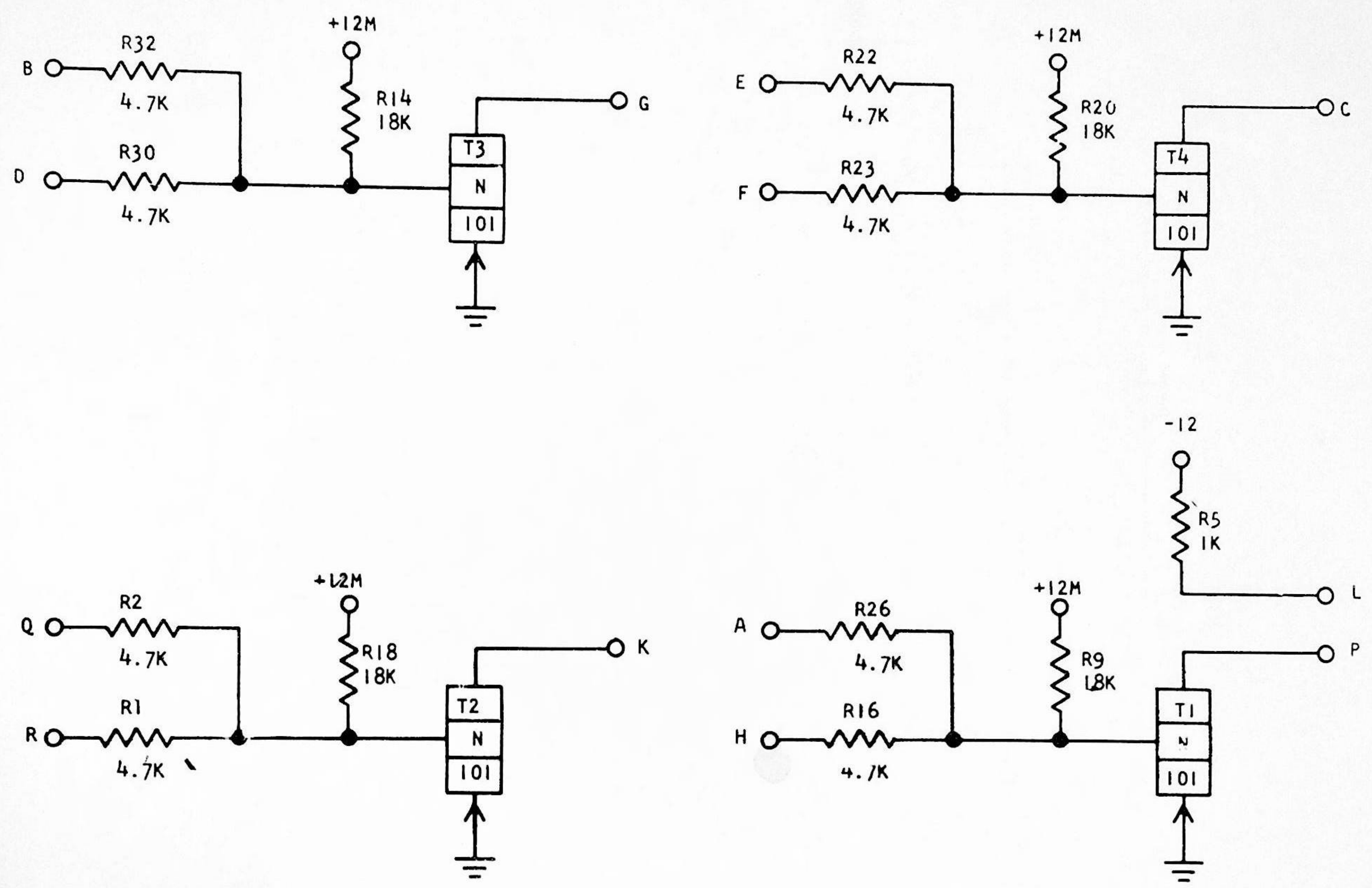
370084

SDTRL-INVERTER, 2 WAY, UNLOADED COLLECTORS

370084

DAX -

STANDARDS CODE	2-7045



NOTES

X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892366

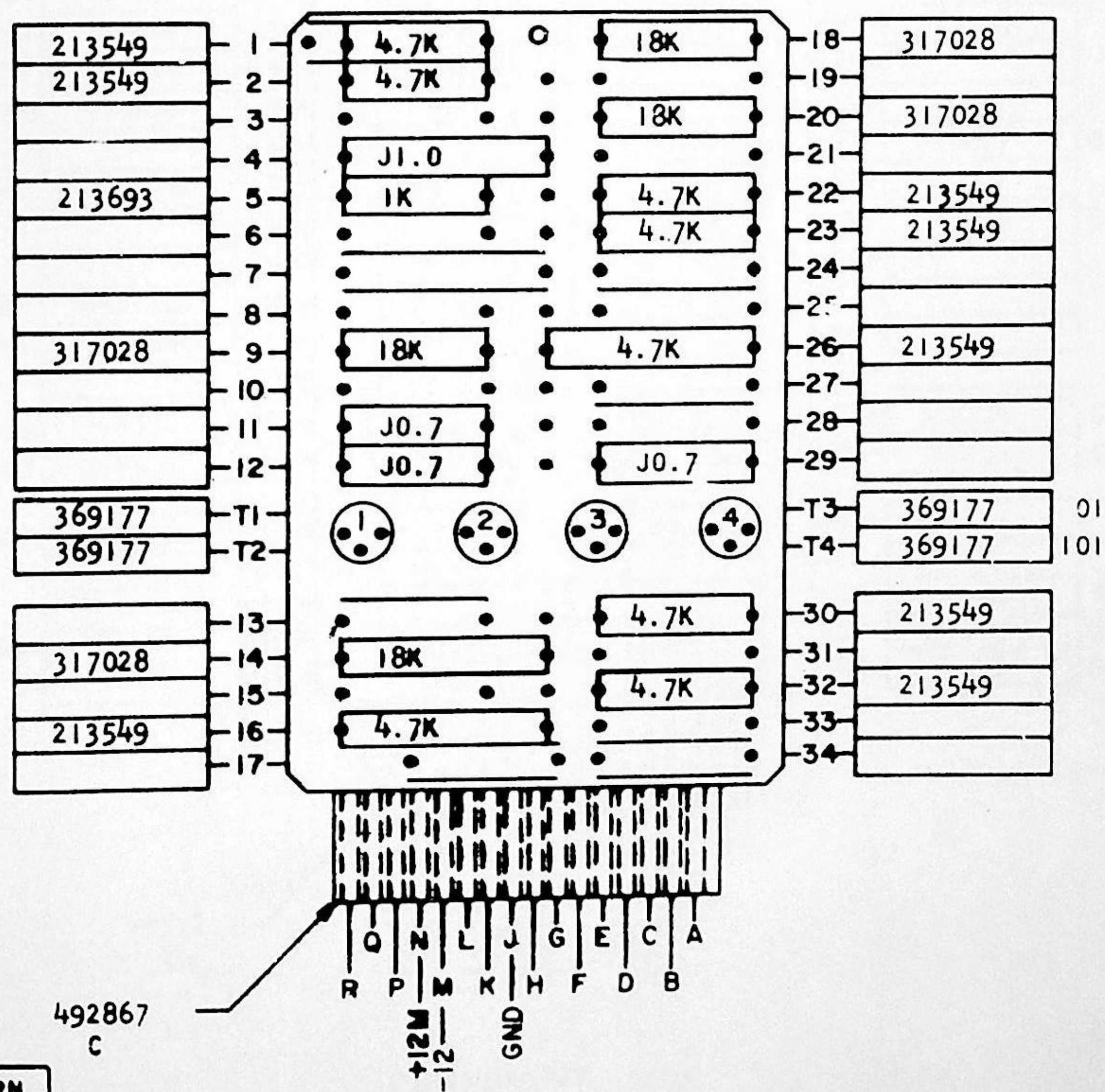
XI ASSEMBLE TO ENGINEERING SPECIFICATION 895396 AND 891999

XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

XIV

XV POSITIONS T1, T2, T3, T4, ARE TO-18 TRANSISTORS AND MAY BE MOUNTED IN .100 OR .200 PIN CIRCLE HOLES. USE TRANSISTOR SPACER 483070 FOR .200 PIN CIRCLE MOUNTING



COMPONENT SIDE

B

CIRCUIT AND PACKAGING STANDARD	
APPROVAL	DATE
LIP KMT	3-18-60

HOLE PATTERN
491329

INTERNATIONAL BUSINESS MACHINES CORP

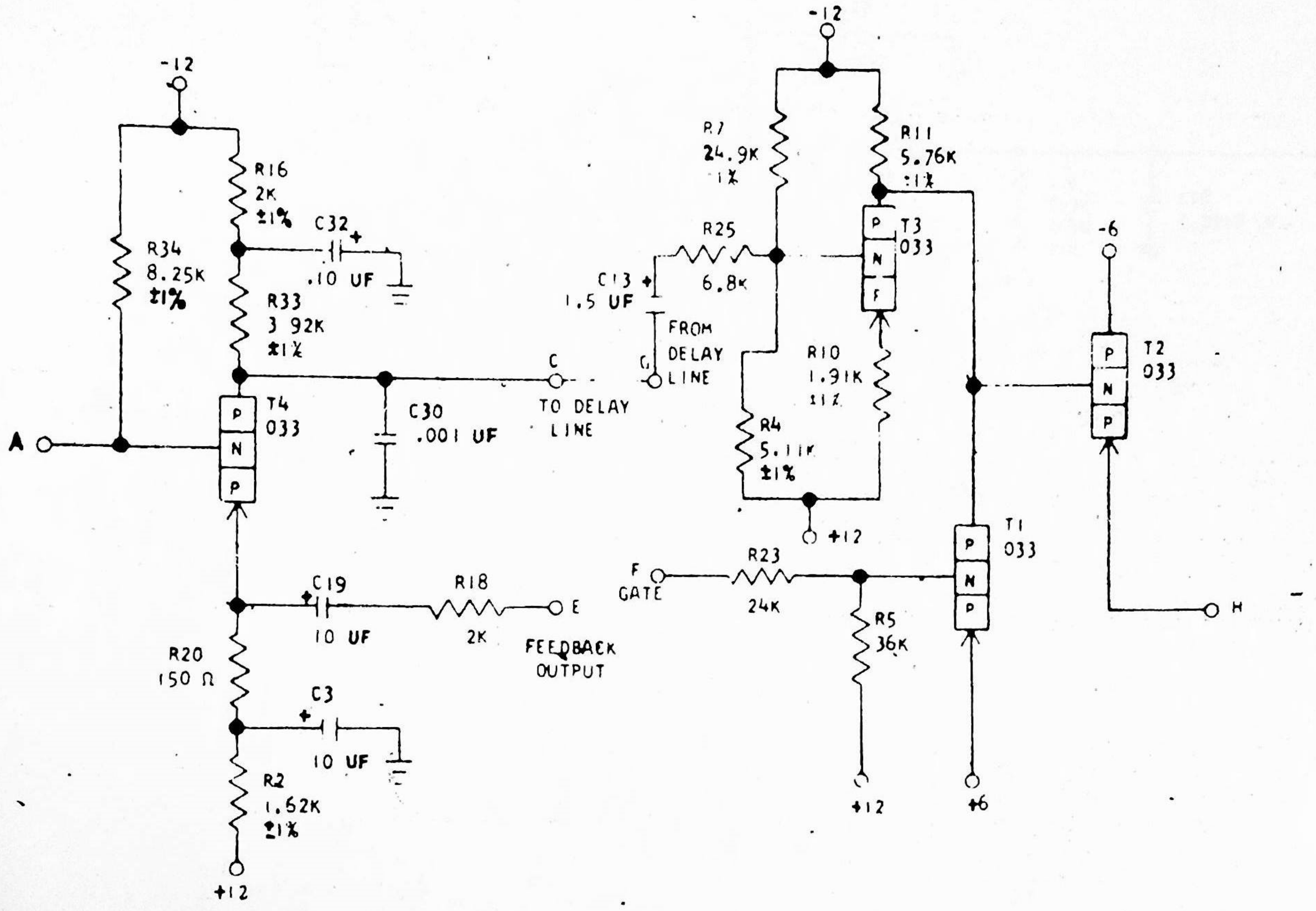
						DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME	CARD ASM TSTR-SDTRL INVERTER, 2 WAY, UNLOADED COLLECTORS					SEE INDEX CARD			2-1-64	D119692	FVL	2547-1024
DESIGN	GHS	3-17-60	MODEL	SMS		3-3-61	111272	NOTE XV				
DETAIL	GHS	3-17-60	SCALE	NONE		5-25-61	112019	NOTE XV				
CHECK	PPH	3-18-60	DRAW	LIG	3-19-62	5-23-62	113942	NOTE XIV				
APPRO	BES	5-4-60	CHECK			11-7-62	114364	MDL				

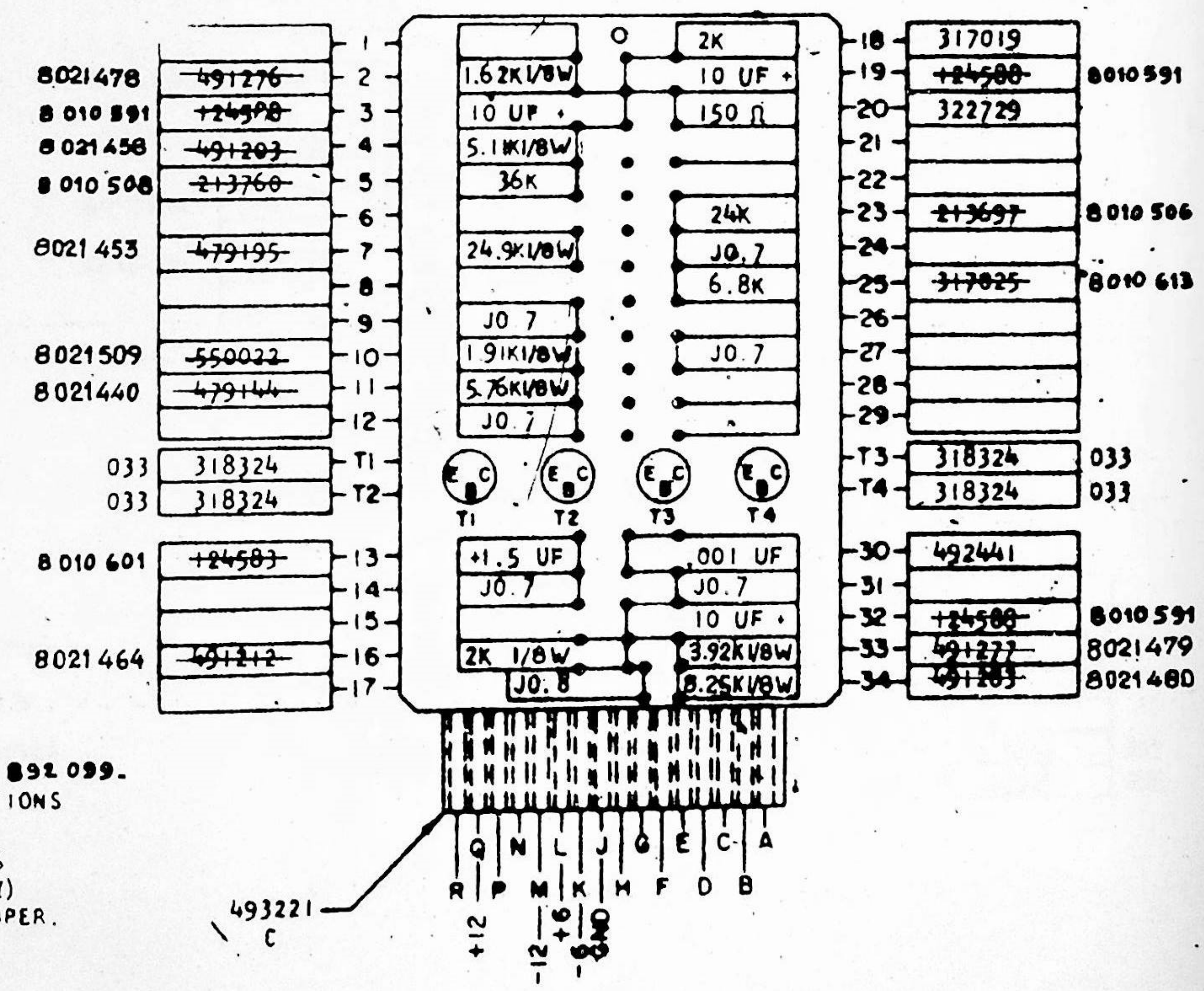
370084

82-3977-1 6-22-61

370 099	ACX-
CODE NATURE	2.7045

ALLOY - PREAMP NUMBER 4 MAGNETIC TAPE





COMPONENT SIDE

NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892 099.

II ASSEMBLE TO ENGINEERING SPECIFICATIONS 2004692 - 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED (AS NOTE XV)

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER. 491296

XIV

XV ALL ±1% RESISTORS ARE 1/8 WATT

USE WITH SPECIFICATION 8010800

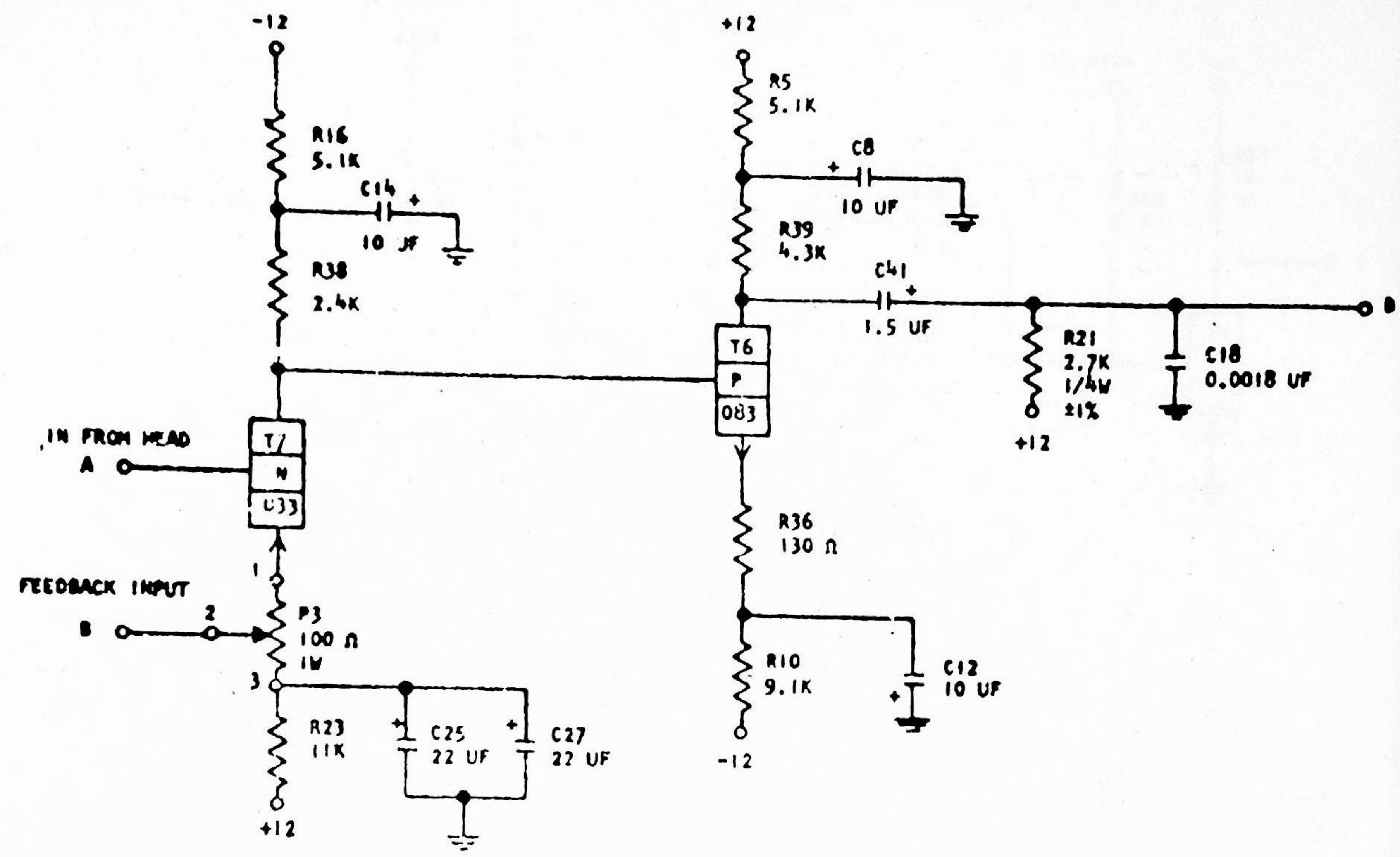
IBM					DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR. ALLOY				27.5.60	EC 109175						
PREAMP NUMBER 4 MAGNETIC TAPE					9.12.60	JT 47009						
PROJET		TYPE	SMS		23.3.61	EC 111378						
DESSIN		ECHEL			20.6.61	JT 48929						
VERIF.		CALQ										
APPR		VERIF	CLM	13.6.61	20.11.61	JT 80851						

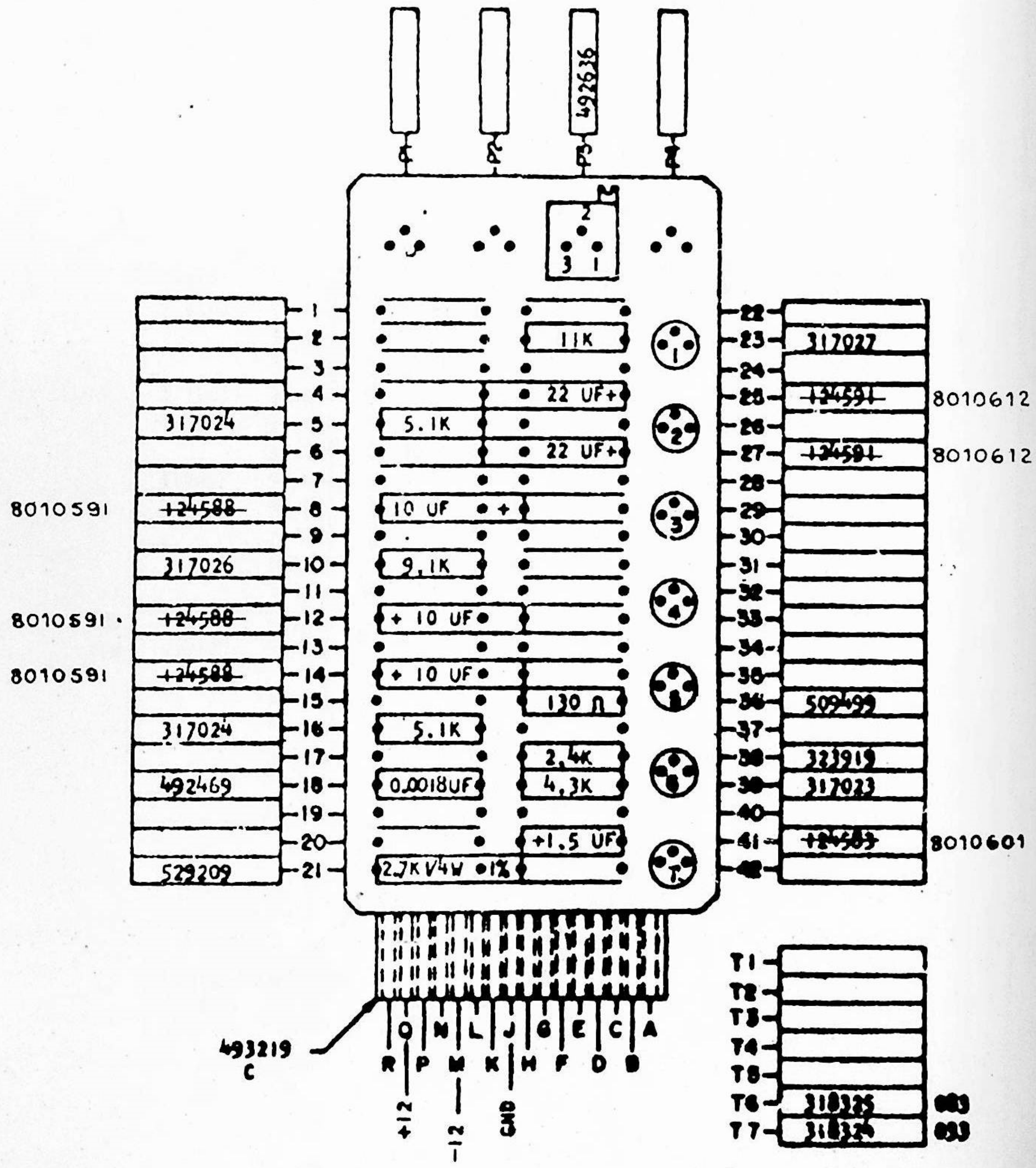
370100

A C W

CODE NATURE 2.7045

ALLOY-PRE AMP NUMBER 3, MAGNETIC TAPE





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892099

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 · 2098488 AND 2093486

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

IIII POTENTIOMETER 492636 MUST NOT BE SUBJECTED TO ANY LIQUIDS

HOLE PATTERN 493474

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR-ALLOY-PREAMP NO.3 MAGNETIC TAPE			27-5-60	EC-109176	1-11-61	EC-113432				
				9-12-60	JT-47009	14-3-62	JT-80889				
PROJET		TYPE	SMS	23-3-61	EC-111378	6-8-62	EC-114712				
DESSIN	NR [illegible] 8-11-62	SCHML.		22-6-61	JT-48930	27 NOV. 1962	JT-82868				
VERIF.		CALC.		29-1-62	JT-80876						
APPR		VERIF.									

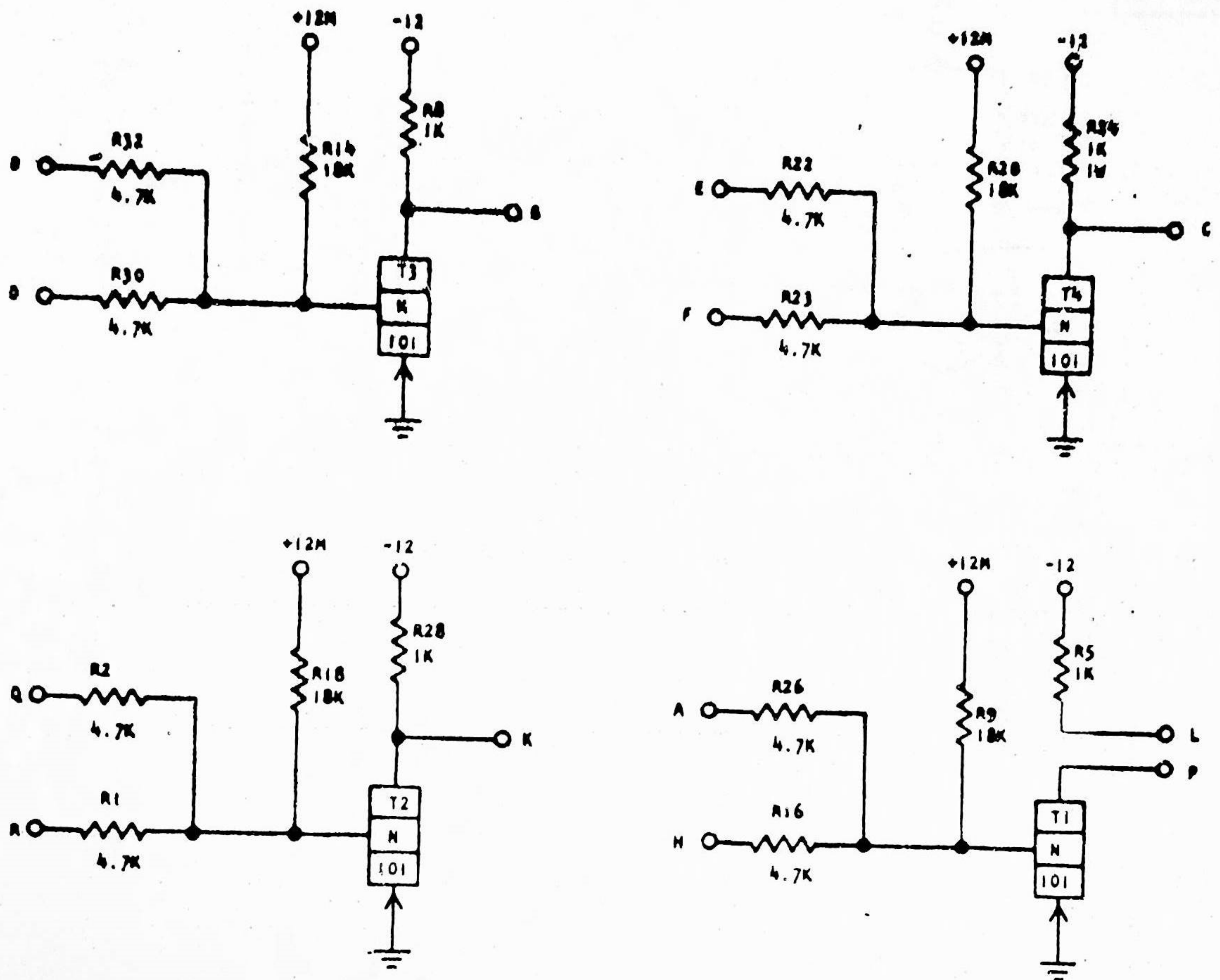
815

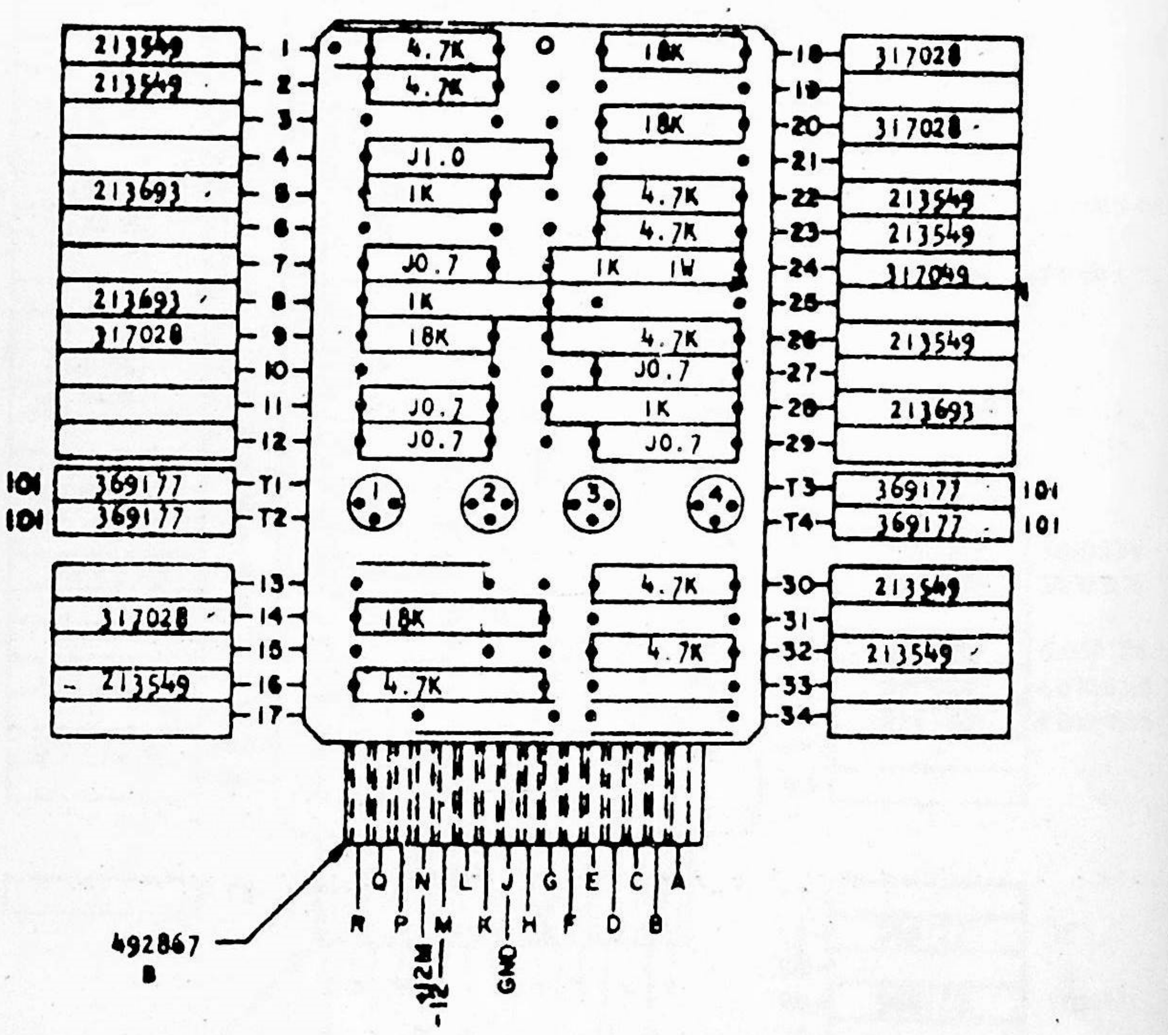
370129
TAU-

CODE NATURE	2.7045

370129

SDTRL-2 WAY INVERTER NUMBER 2





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892366

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 - 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND 10% UNLESS OTHERWISE NOTED

IIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491286

IIV

IV POSITIONS T1, T2, T3, T4, ARE TO-18 TRANSISTORS AND MAY BE MOUNTED IN .100 OR .300 PIN CIRCLE HOLES. USE TRANSISTOR SPACER 483070 FOR .200 PIN CIRCLE MOUNTING.

HOLE PATTERN 491329

USE WITH SPECIFICATION 8010800

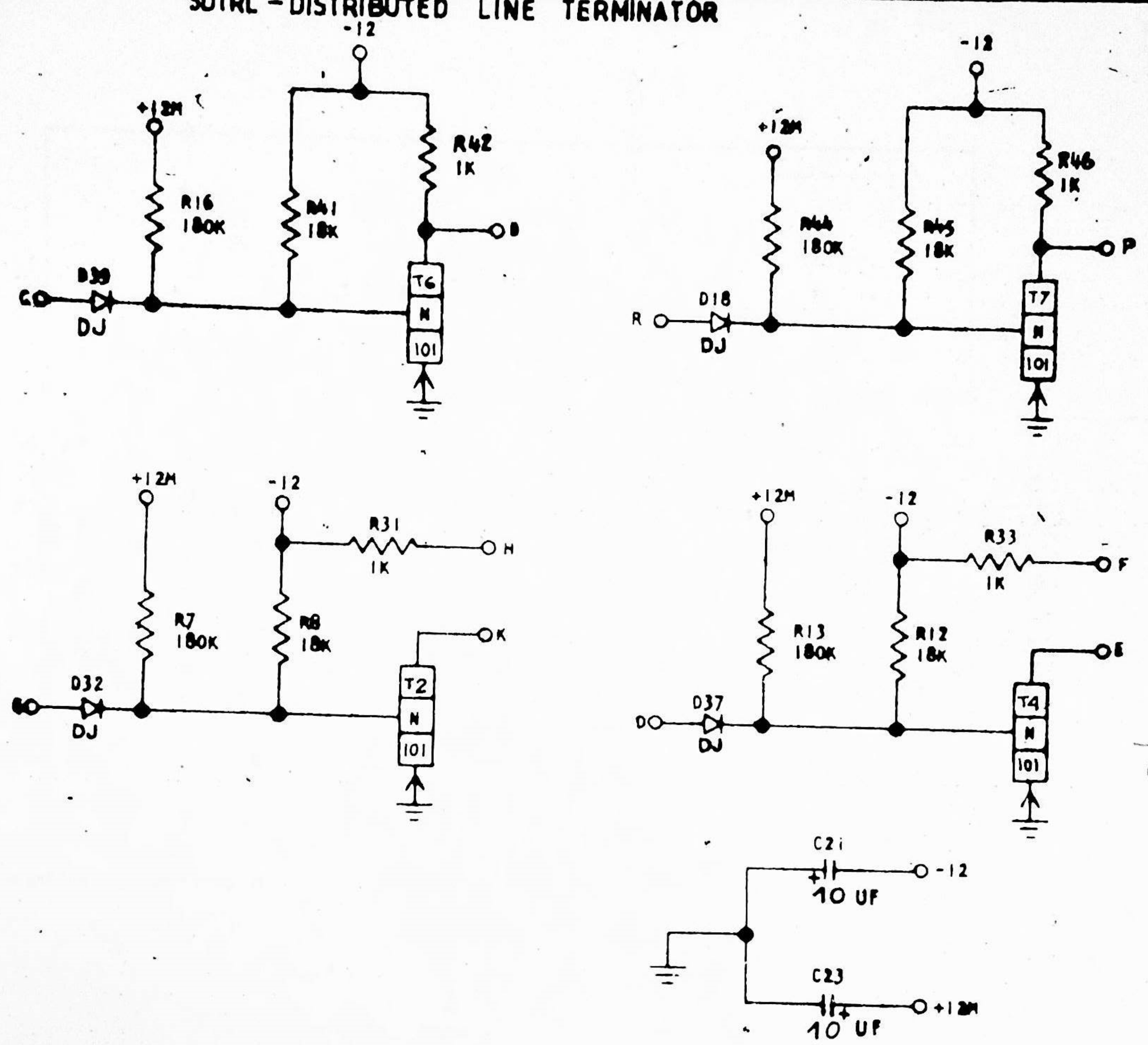
IBM					DATE	CHANC N°	DATE	CHANC N°	DATE	CHANC N°	DATE	CHANC N°
NOM	CARD ASM TSTR - SDTRL -				25-8-60	EC 109 878	23-5-62	EC 113 942				
	2 WAY INVERTER NUMBER 2				6-2-61	JT 47012	20-8-62	JT 82 893				
PROJET			TYPE	SMS	25-5-61	EC 112019	28-8-62	EC 114364				
DESSIN	TFco	4-9-62	ECHEL		9-10-61	JT 48828	9 JAN 1963	JT 82759				
VERIF.			CALQ									
APPR			VERIF									

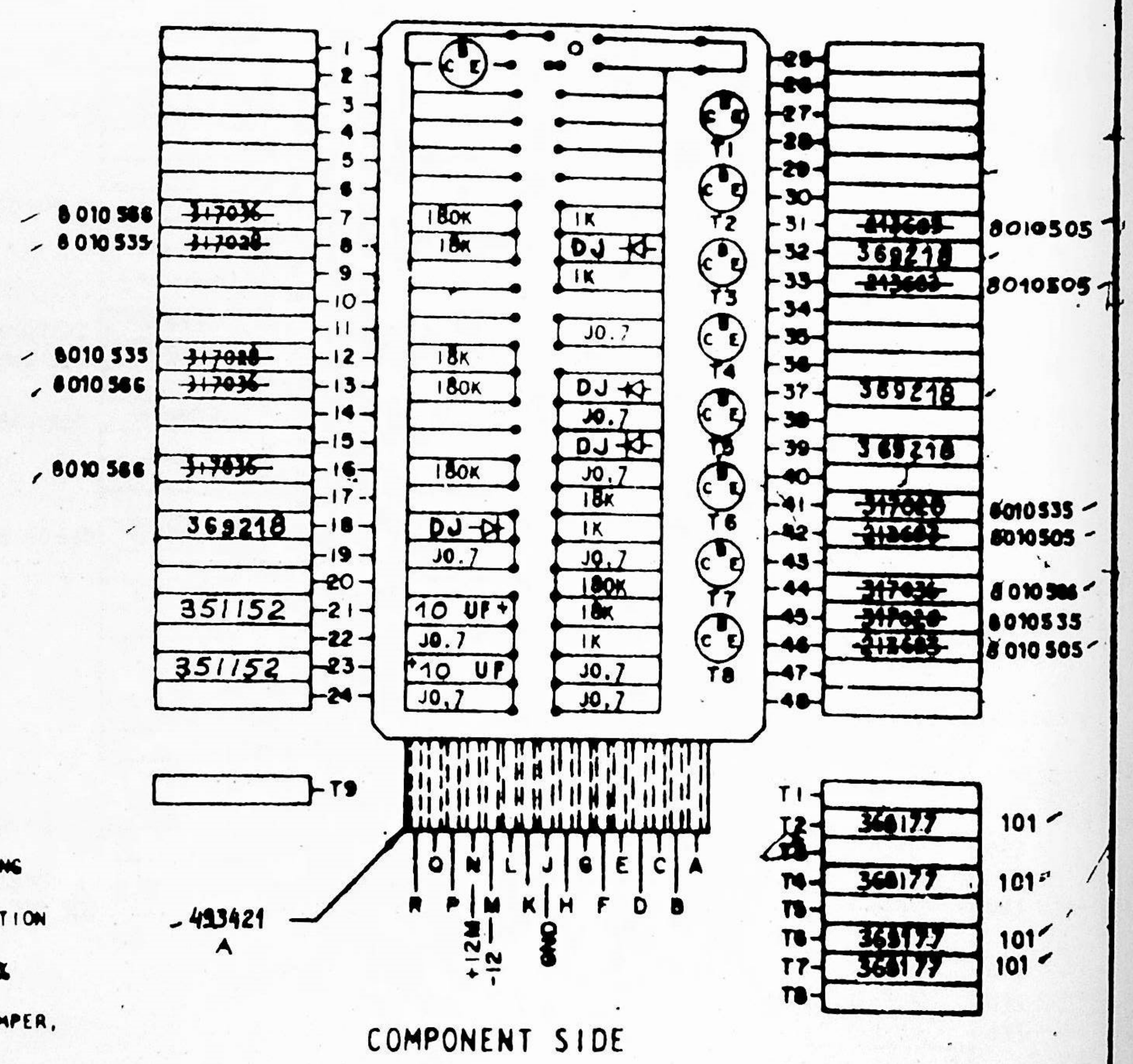
370129

370333	TCJ-
CODE NATURE	2.7045

SDTRL - DISTRIBUTED LINE TERMINATOR

370333





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892333-

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 _ 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

IIII "J" IN BLOCK DENOTES BARE WIRE JUMPER, 491296

XIII

XV

XVI POSITIONS T2, T4, T6, T7, ARE TO-18 TRANSISTORS AND MAY BE MOUNTED IN .100 OR .200 PIN CIRCLE HOLES USE TRANSISTOR SPACER 483070 FOR .200 PIN CIRCLE MOUNTING

USE WITH SPECIFICATION 8010800

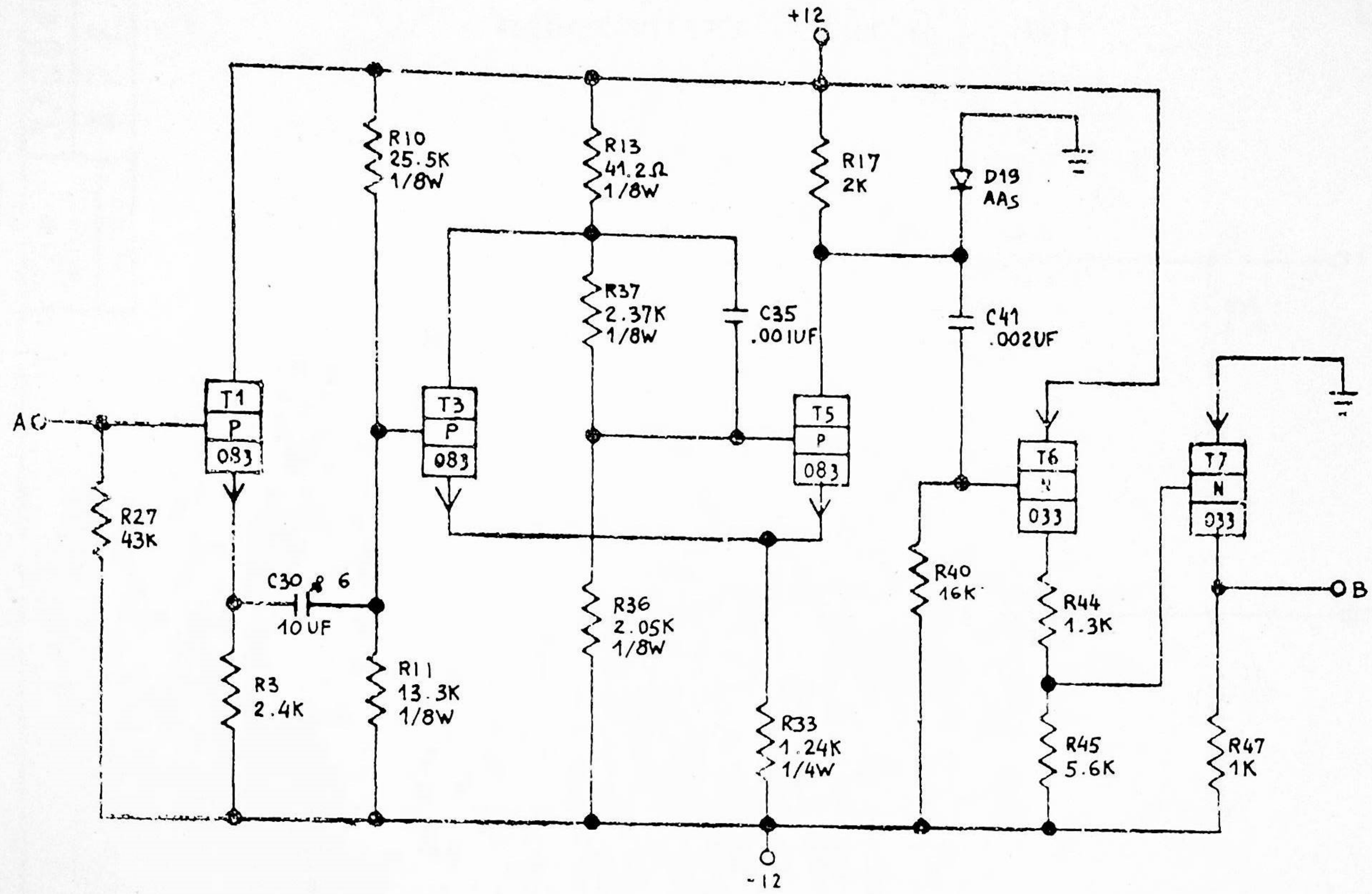
HOLE PATTERN 493457

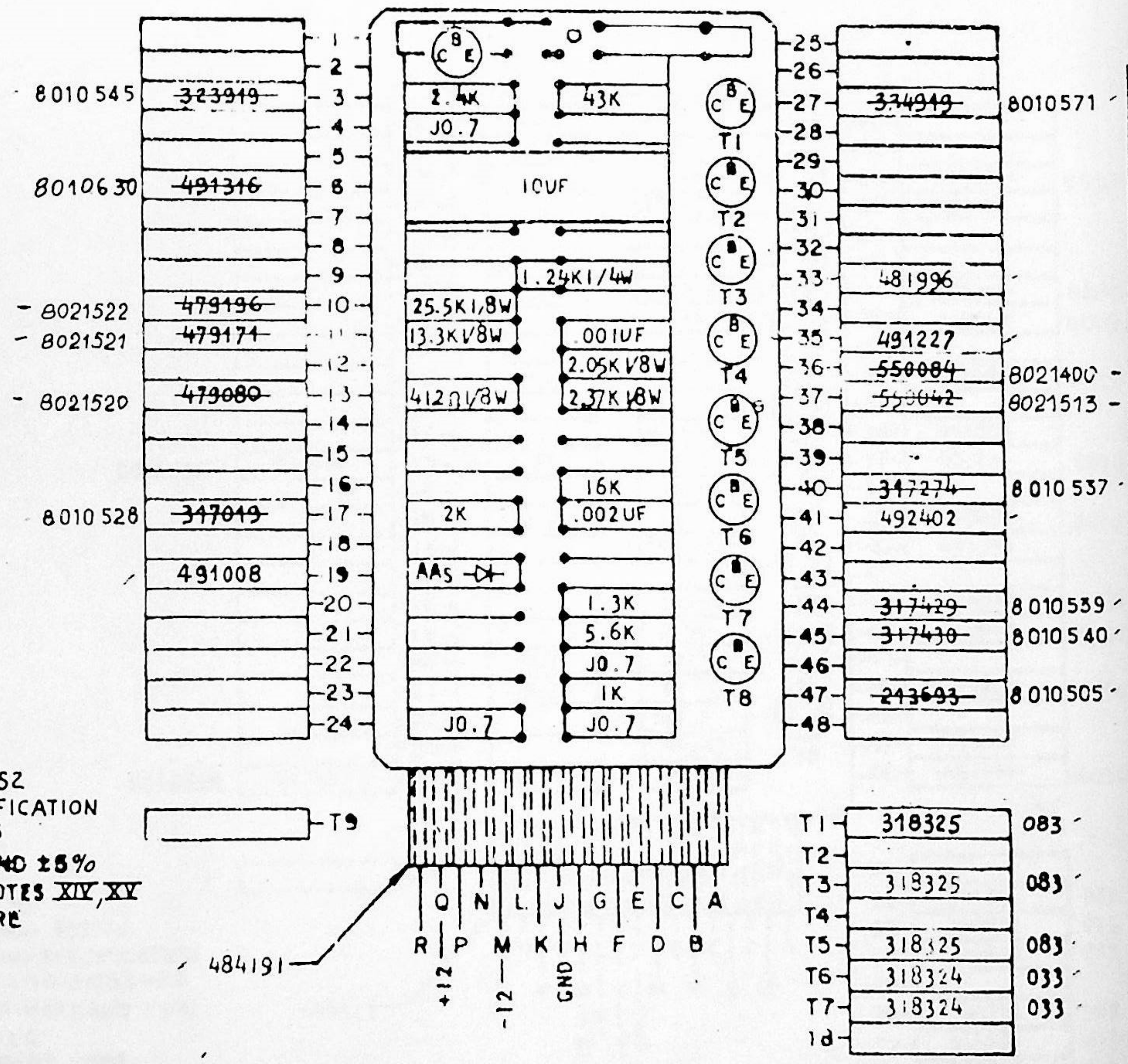
IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR. SDTRL			28.10.60	EC 110170	29-1-62	JT 80876	23-5-62	EC 115942	28 OCT [illegible]	JT 84681
DISTRIBUTED LINE TERMINATOR				7.4.61	JT 47015	29-11-61	EC 112774	20.8.62	JT 82893		
PROJET		TYPE	SMS	25.5.61	EC 112019	23-2-62	JT 80881	8-10-62	JT 82846		
DESSIN	DJG	1-9-61	ECHL.	6-10-61	JT 46820	7-6-62	JT 81851	[illegible]	EC [illegible]		
VERIF.		CALC	[illegible] 5.3.61	28-12-61	JT 80872				JT [illegible]		
APPR.		VERIF.									

370333

370 452
YAW-
CODE NATURE 2.7.045

A.C. PHOTO . FIER





NOTES
- X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892452
- XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 - 2093495 AND 2093496
- XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED (AS NOTES XIV, XV)
- XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296
- XIV ALL 1/8 WATT RESISTORS ±1%
- XV ALL 1/4 WATT RESISTORS ±1%

COMPONENT SIDE

USE WITH SPECIFICATION 8010600

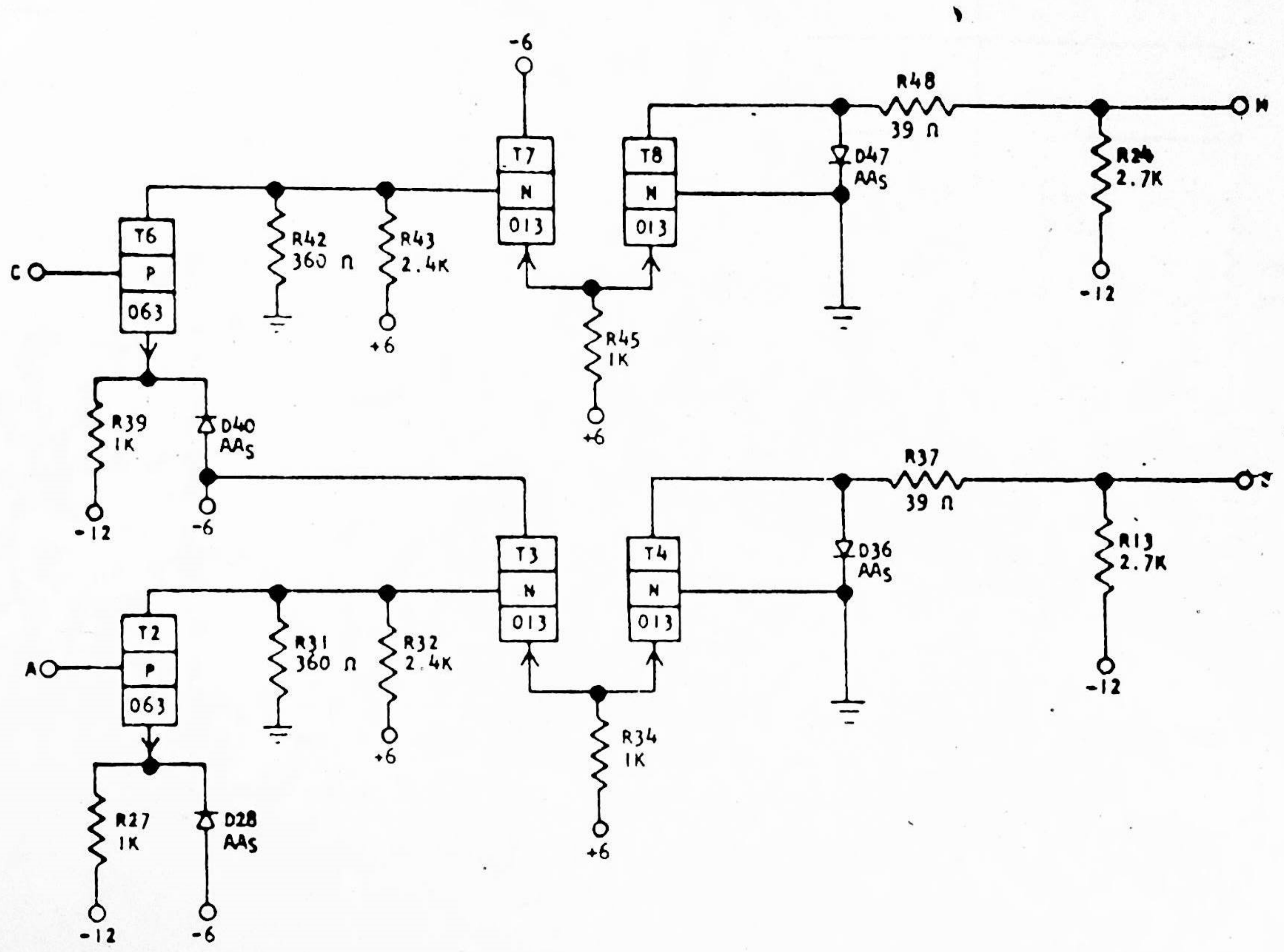
IBM			DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR A.C.PHOTO AMPLIFIER		31.1.61	EC 111068						
PROJET		TYPE SMS	9.6.61	JT47019						
DESSIN		ECHEL	20.11.61	JT80851						
VERIF		CALQ	29.1.62	J [illegible]						
APPR		VERIF	1.7.61							

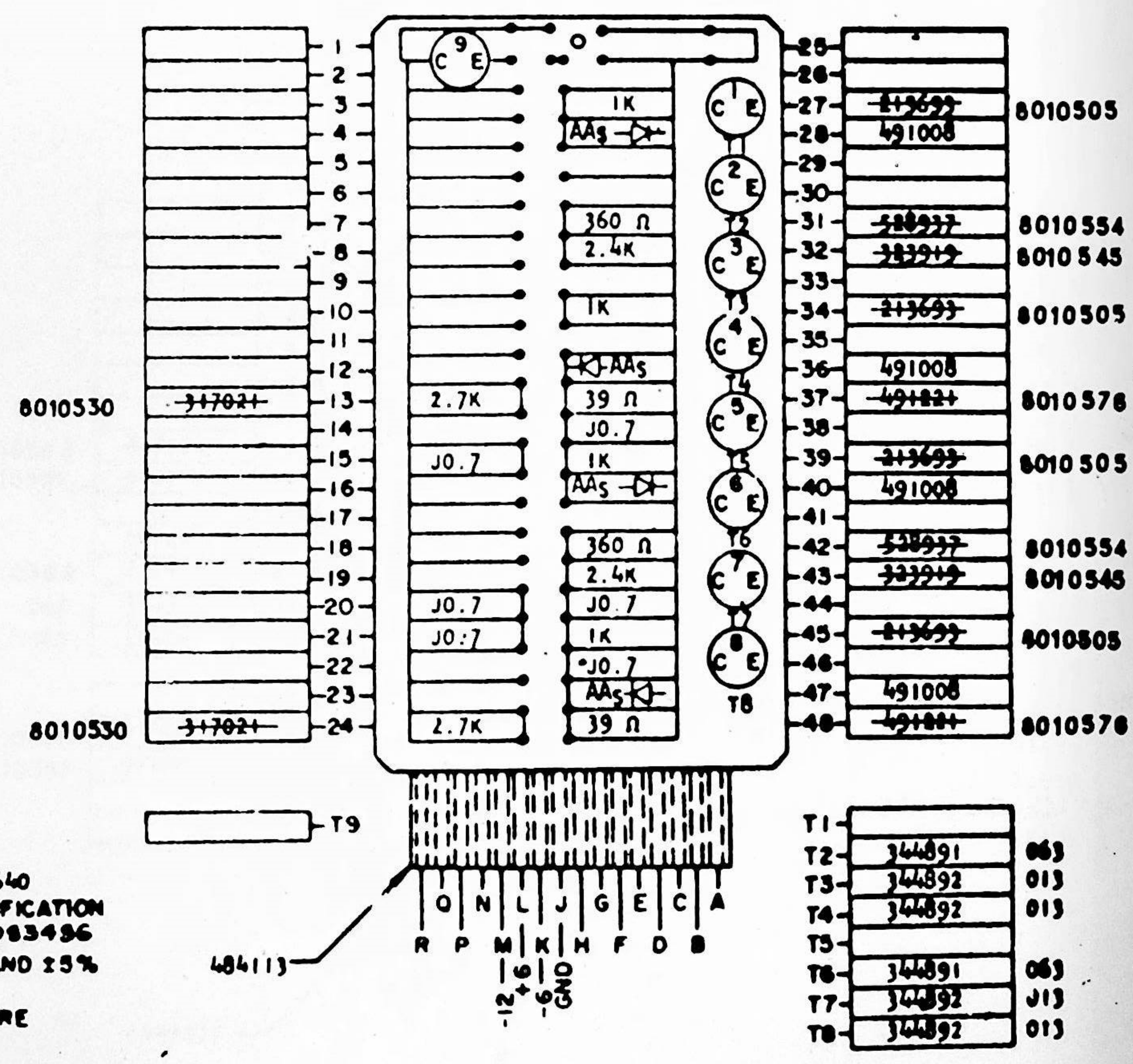
370452

370640 | APF
CODE NATURE 2.7045

370640

ALLOY-CONVERTER (P LINE TO S LINE)





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892640

XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084632. 2083485 AND 2083486

XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

USE WITH SPECIFICATION 8010800

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY CONVERTER (N LINE TO S LINE)			15.6.61	EC112132						
				21.9.61	JT47022						
PROJET		TYPE	SMS								
DESSIN	DJe 11-9-61	ECHEL									
VERIF	11.9.61	CALQ	26.7.61								
APPR		VERIF	CLM 18.9.61								

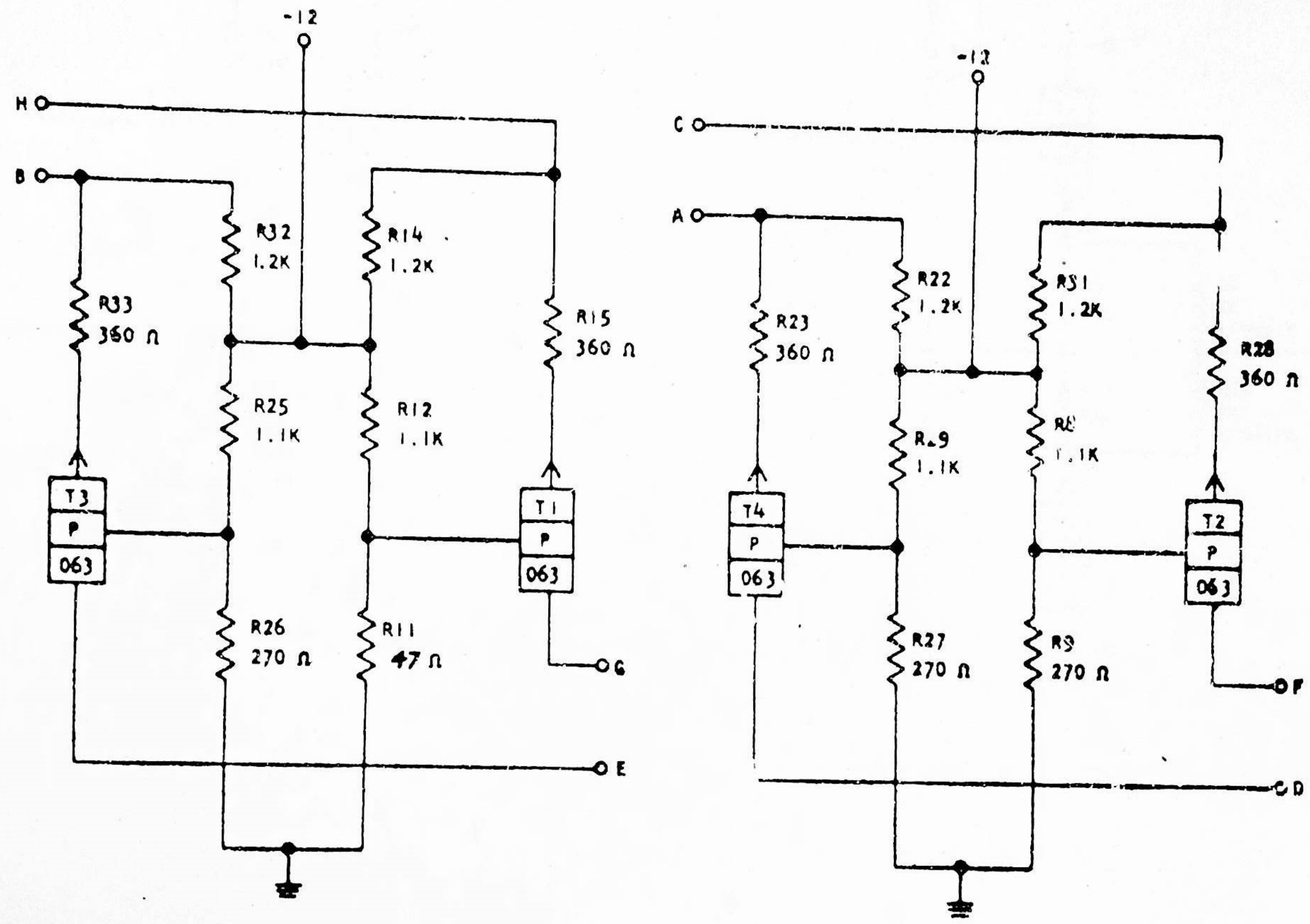
370640

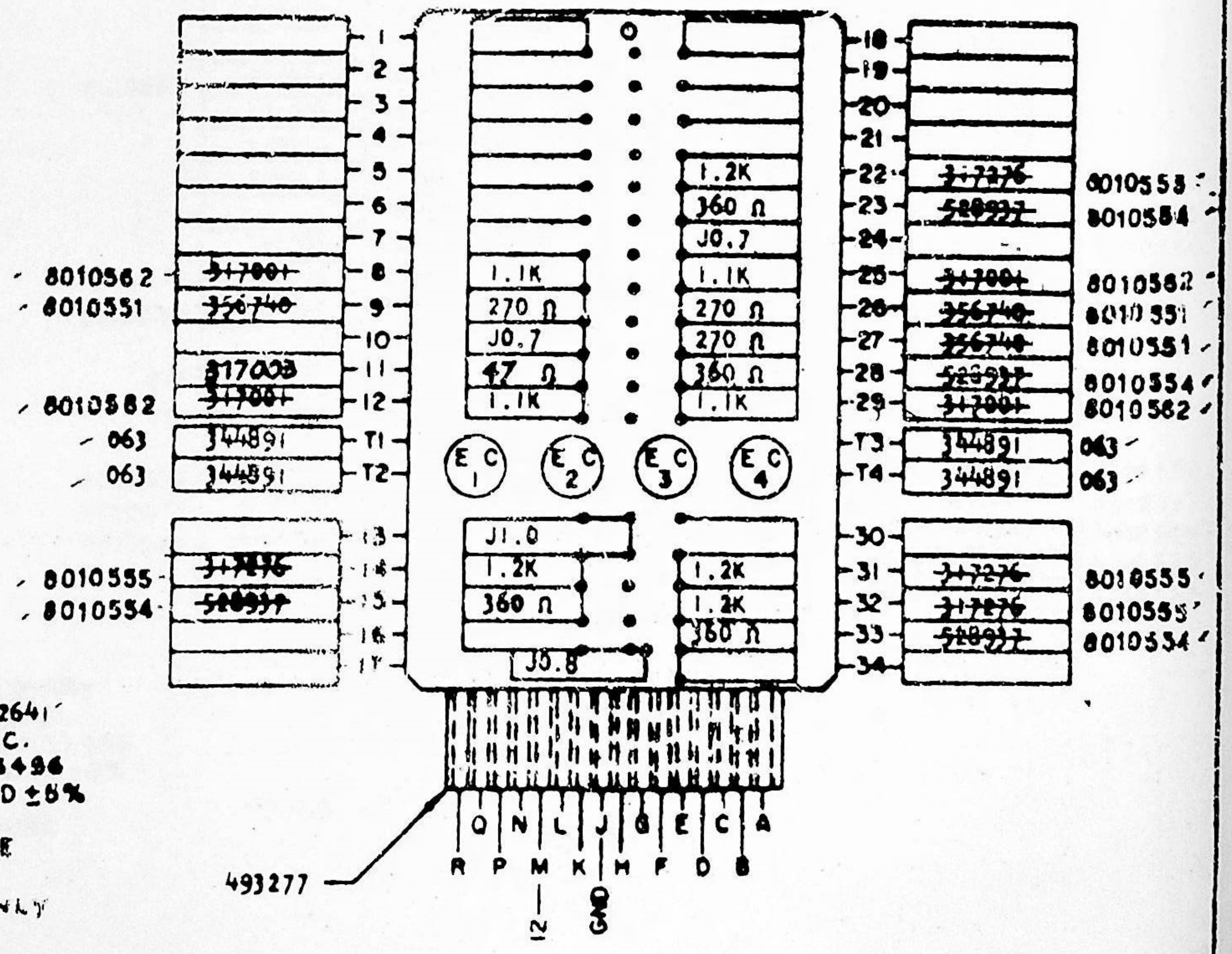
370641 APG

CODE NATURE 2.7045

ECHO PULSE LINE CONVERTER

370641
RESTRICTED NOTE XIV





NOTES

- I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892641
- XI ASSEMBLE TO ENGINEERING SPEC. 2064692 _ 2053488 AND 2053496
- XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
- XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER, 491296
- XIV RESTRICTED FOR 725 USE ONLY

HOLE PATTERN 491329

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	ECHO PULSE LINE CONVERTER			15.6.61	EC112142						
				21-9-61	JT47022						
PROJET		TYPE	SMS	14.6.62	EC 115865						
DESSIN	DJa 11-9-61	ECHEL		20..	JT 82756						
VERIF		CALQ	RDA 26.7.61								
APPR		VERIF									

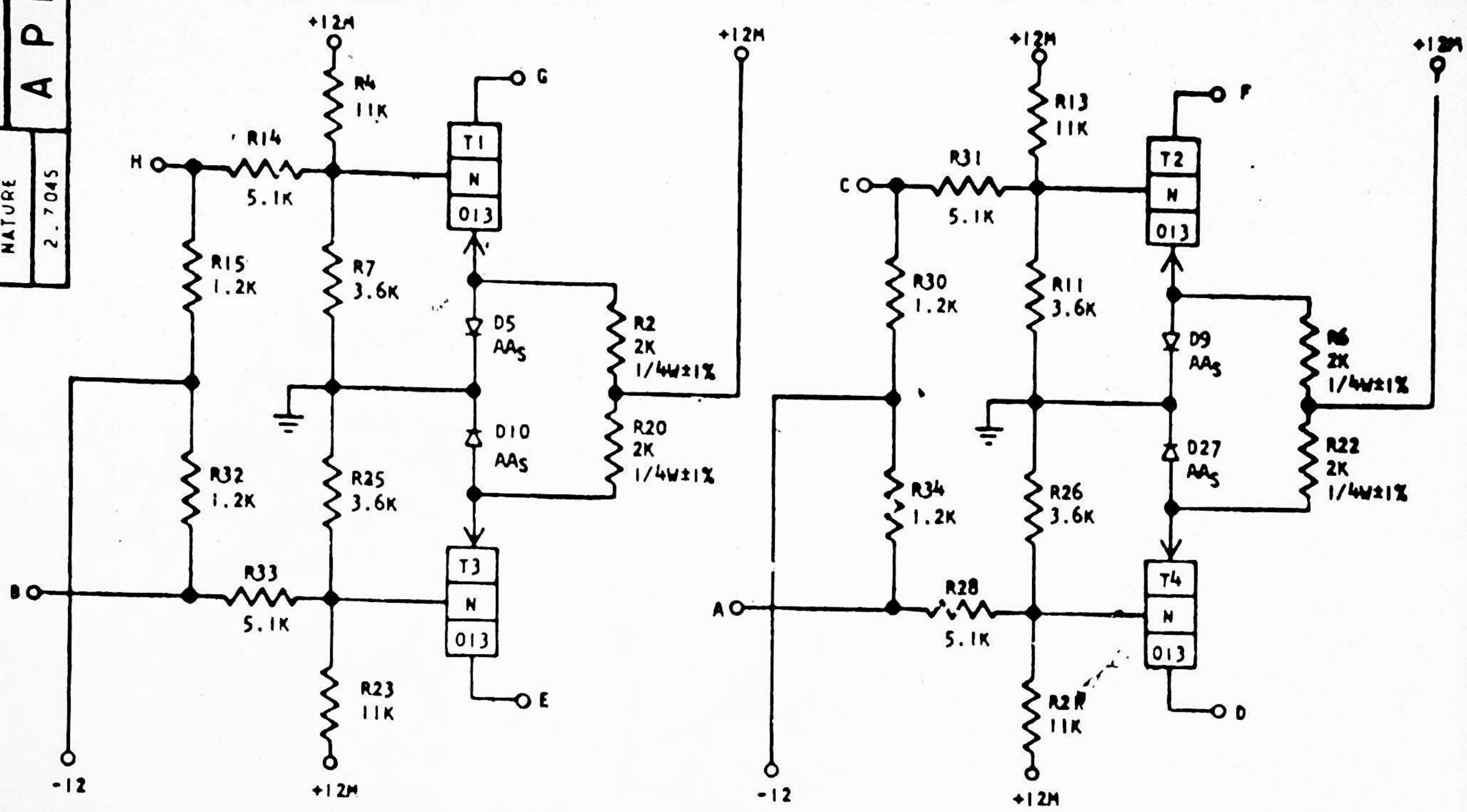
370641

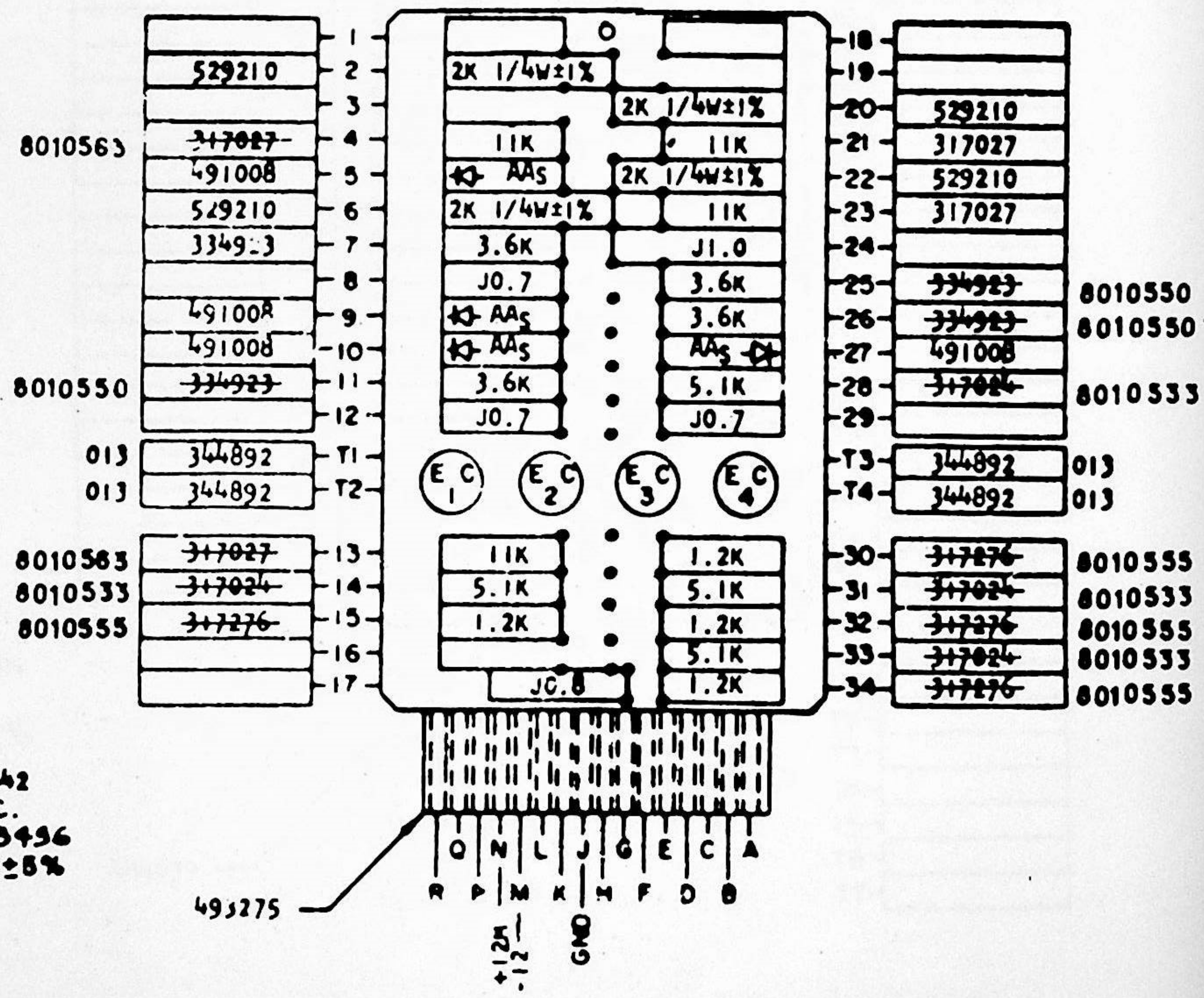
370642 APH

CODE NATURE 2.7045

ALLOY CONVERTER "S" LINE TO "P" LINE

370642





NOTES

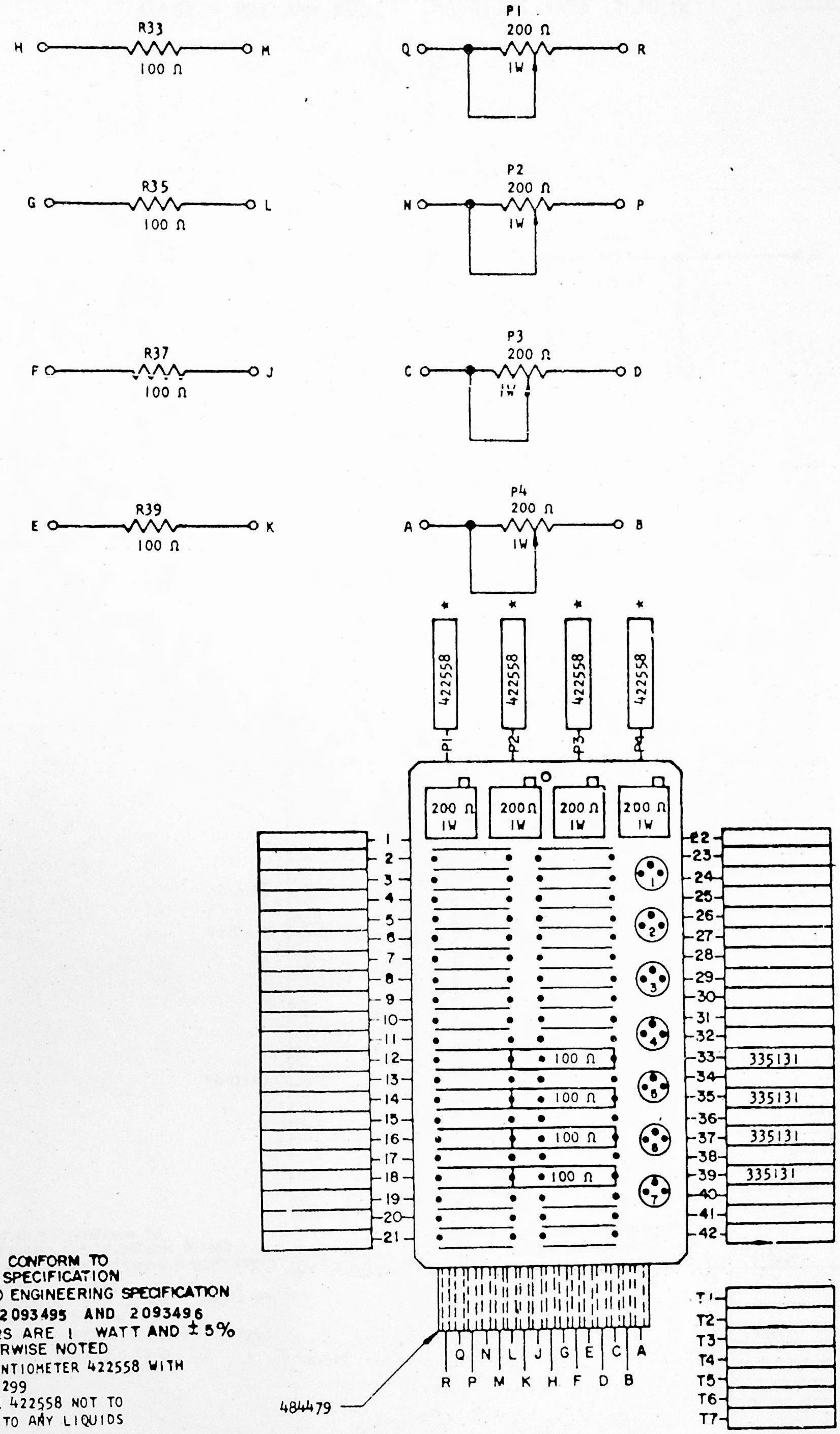
- X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892642
- XI ASSEMBLE TO ENGINEERING SPEC. 2084692 - 2093495 AND 2093496
- XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
- XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER, 491296

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANC N°	DATE	CHANC N°	DATE	CHANC N°	DATE	CHANC N°
NOM	CARD ASM TSTR ALLOY			15.6.61	EC112132						
CONVERTER (N LINE TO S LINE)				21.9.61	JT47022						
PROJET		TYPE	SMS								
DESSIN	DJa 11-9-61	ECHEL									
VERIF	4951	CALQ	20.7.61								
		VERIF	19.9.61								

370642

WRITE CURRENT BALANCE



NOTES

X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION

XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 2093495 AND 2093496

XII ALL RESISTORS ARE 1 WATT AND ± 5% UNLESS OTHERWISE NOTED

* XIII ASSEMBLE POTENTIOMETER 422558 WITH JEDEC PAD 491299

* XIV POTENTIOMETER 422558 NOT TO BE SUBJECTED TO ANY LIQUIDS

HOLE PATTERN 493474

USE WITH SPECIFICATION 8010600

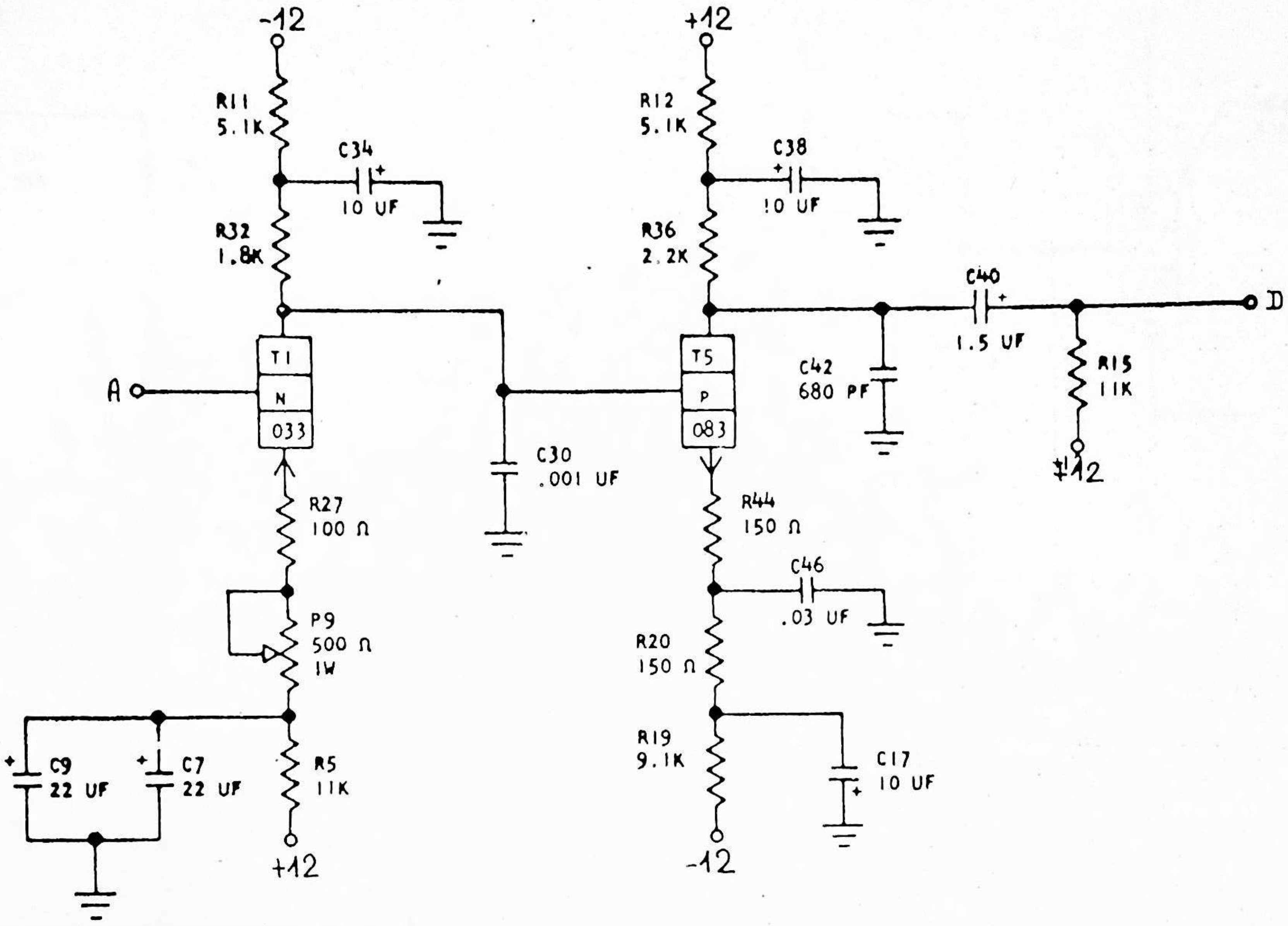
IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR WRITE CURRENT BALANCE			28.8.61	EC112416						
PROJET		TYPE	SMS	18.10.61	JT47023						
DESSIN	DJa 27-9-61	ECHEL									
VERIF.		CALQ	RDB 27-9-61								
APPR.	PDC 11-10-61	VERIF	CLM 7-10.61								

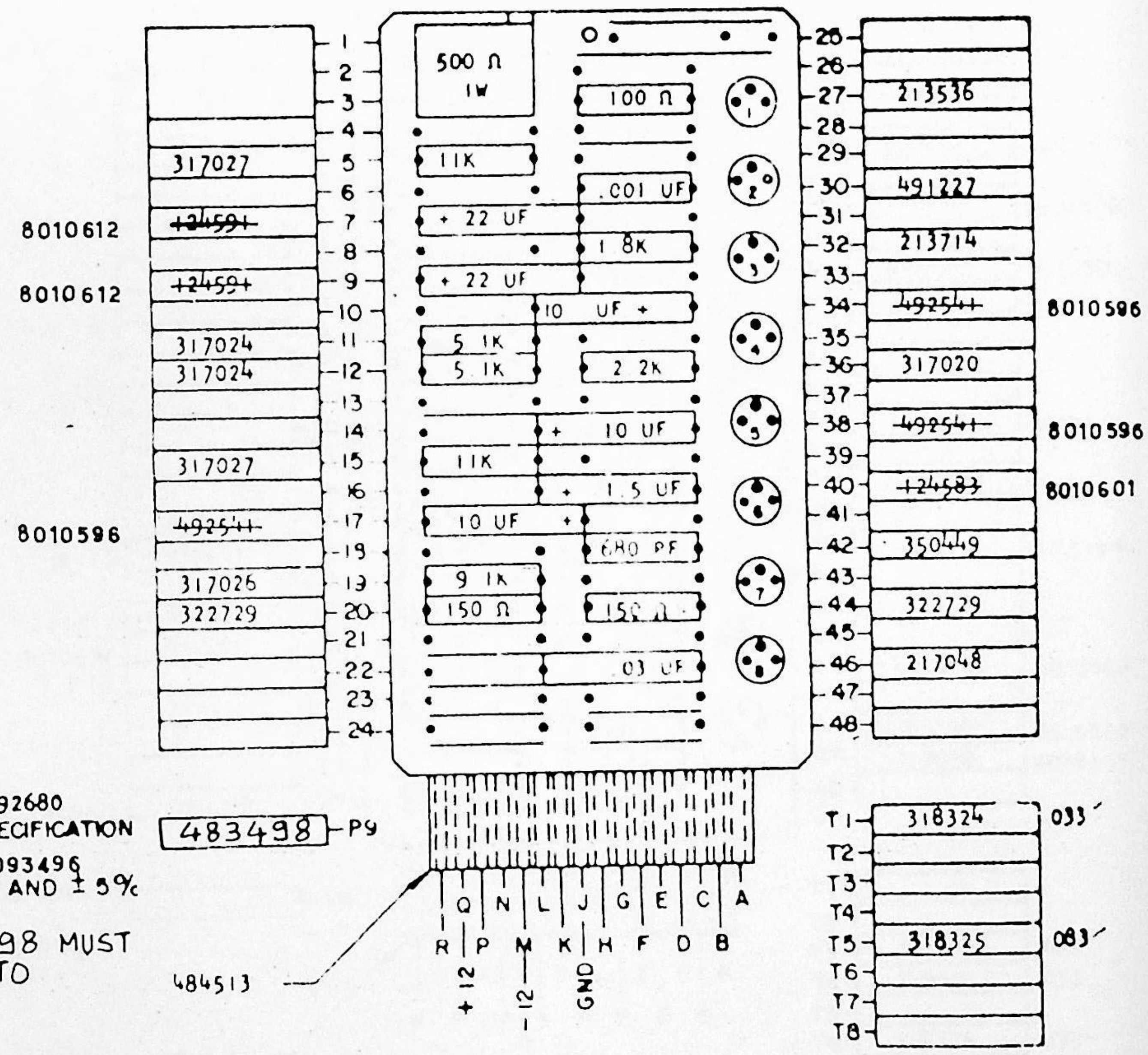
370680

ALZ-

CODE NATURE 2.7345

ALLOY - PRE AMP NO. 1 MAGNETIC TAPE MOD IV





NOTES

X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892680

XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 2093495 AND 2093496

XII ALL RESISTORS ARE 1/2 WATT AND ± 5% UNLESS OTHERWISE NOTED

XIII POTENTIOMETER 483498 MUST NOT BE SUBJECTED TO LIQUIDS

HOLE PATTERN
493457

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY			22.8.61	EC 112444						
PRE AMP NO 1 MAGNETIC TAPE MOD IV					JT 47023						
PROJET		TYPE	SMS	2.12.64	EC.122835						
DESSIN	DJa 27-9-61	ECHEL		4.5.65	JT 8(593)						
VERIF		CALQ	PDA40 27.9.61								
APPR		VERI									

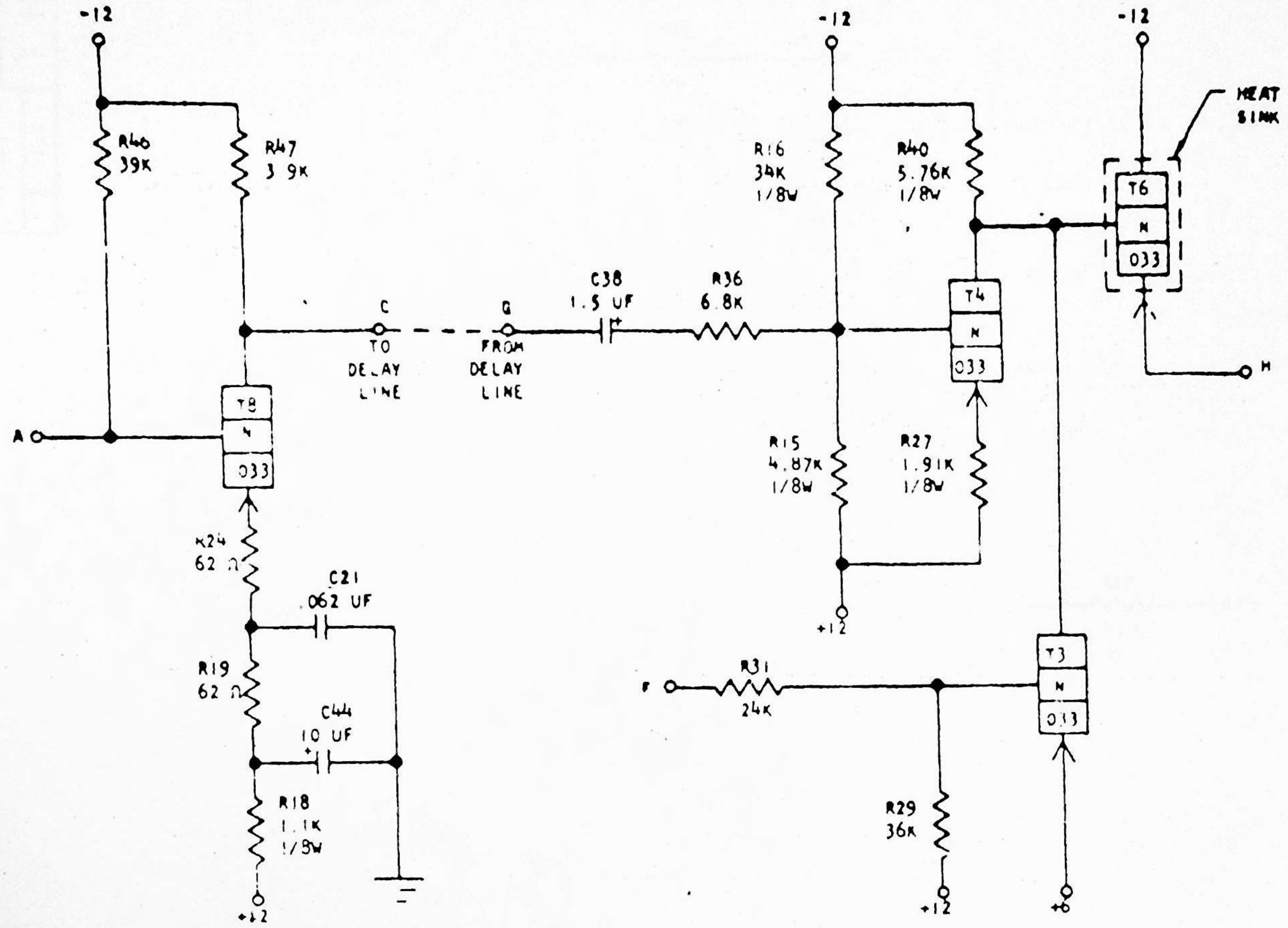
370680

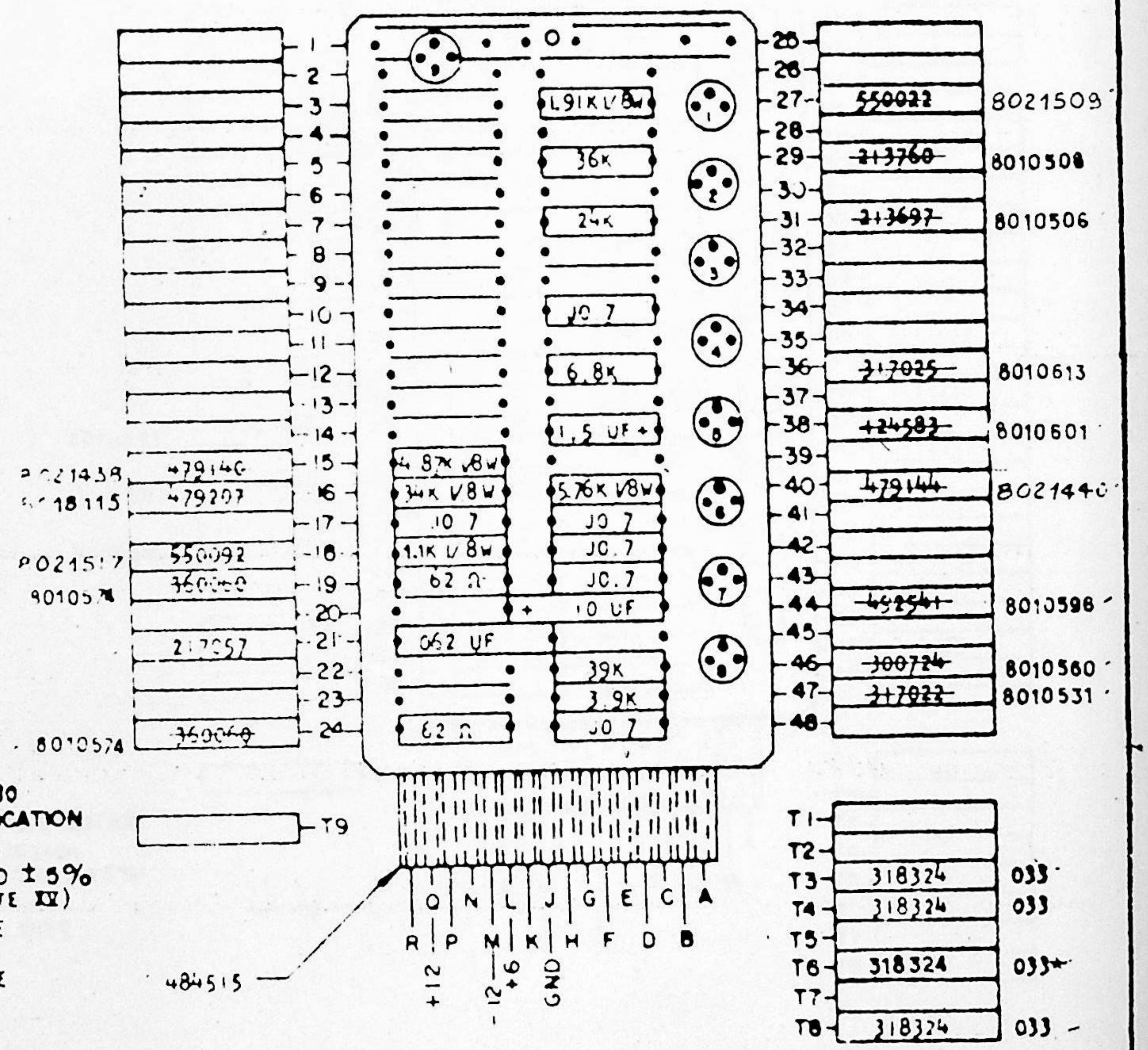
370681 APZ-

CODE NATURE 2.7045

370681

ALLOY - PRE AMP NO. 2 MAGNETIC TAPE





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892680

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084892 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ± 5% UNLESS OTHERWISE NOTED (AS NOTE XV)

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

* XIV HEAT SINK 492434 AND 492435 TO BE SELECTED AS REQUIRED.

XV ALL 1/8W RESISTORS TO BE ±1%

HOLE PATTERN 493457

USE WITH SPECIFICATION 8010800

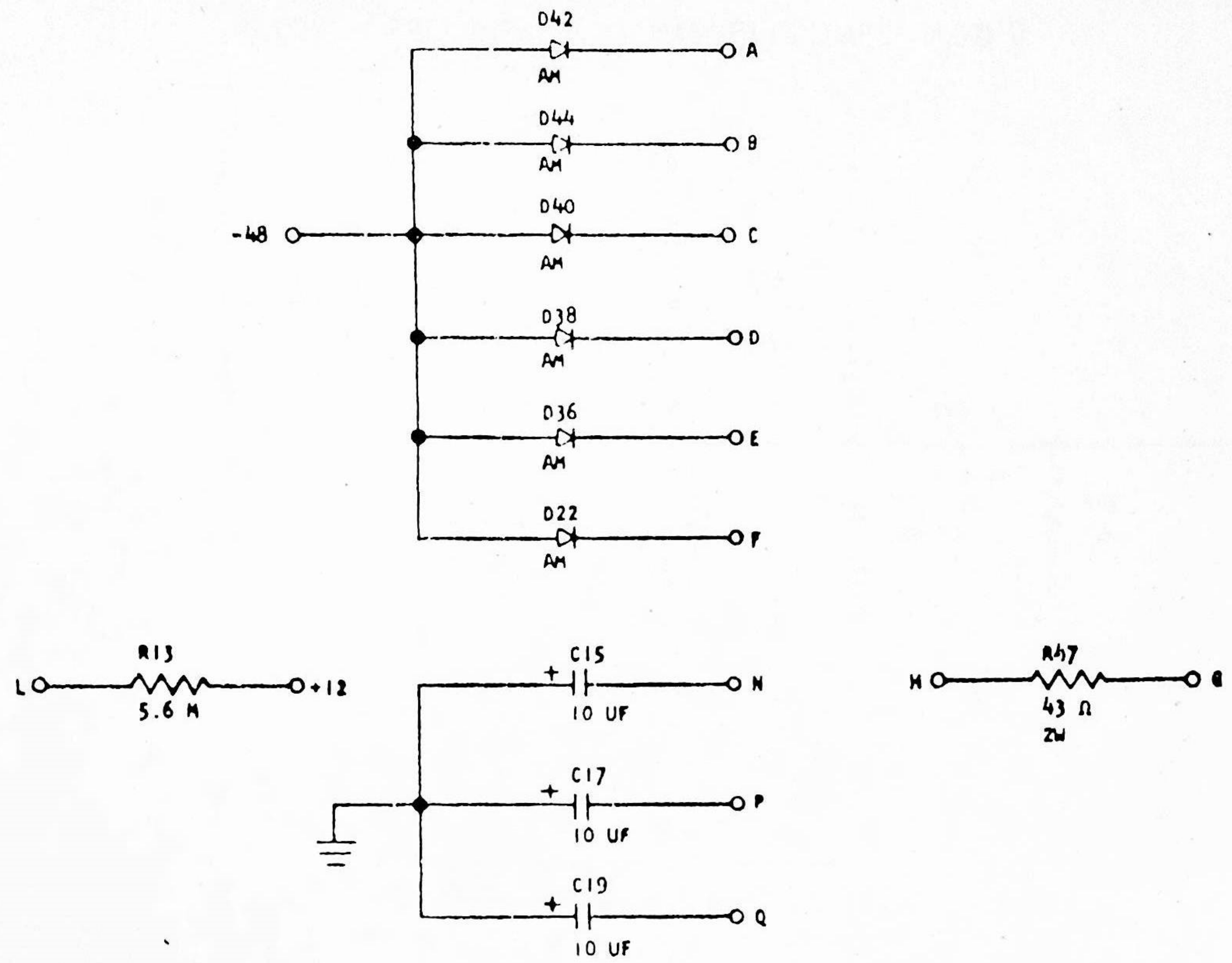
IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY PRE AMP NO 2 MAGNETIC TAPE			22.8.61	EC112444						
				18-10-61	JT47023						
PROJET		TYPE	SMS	20.9.62	JT82893						
DESSIN	DJ 27-3-61	ECHEL									
VERIF		CALQ	ADAMO 27.9.61								
APPRO		VERIF									

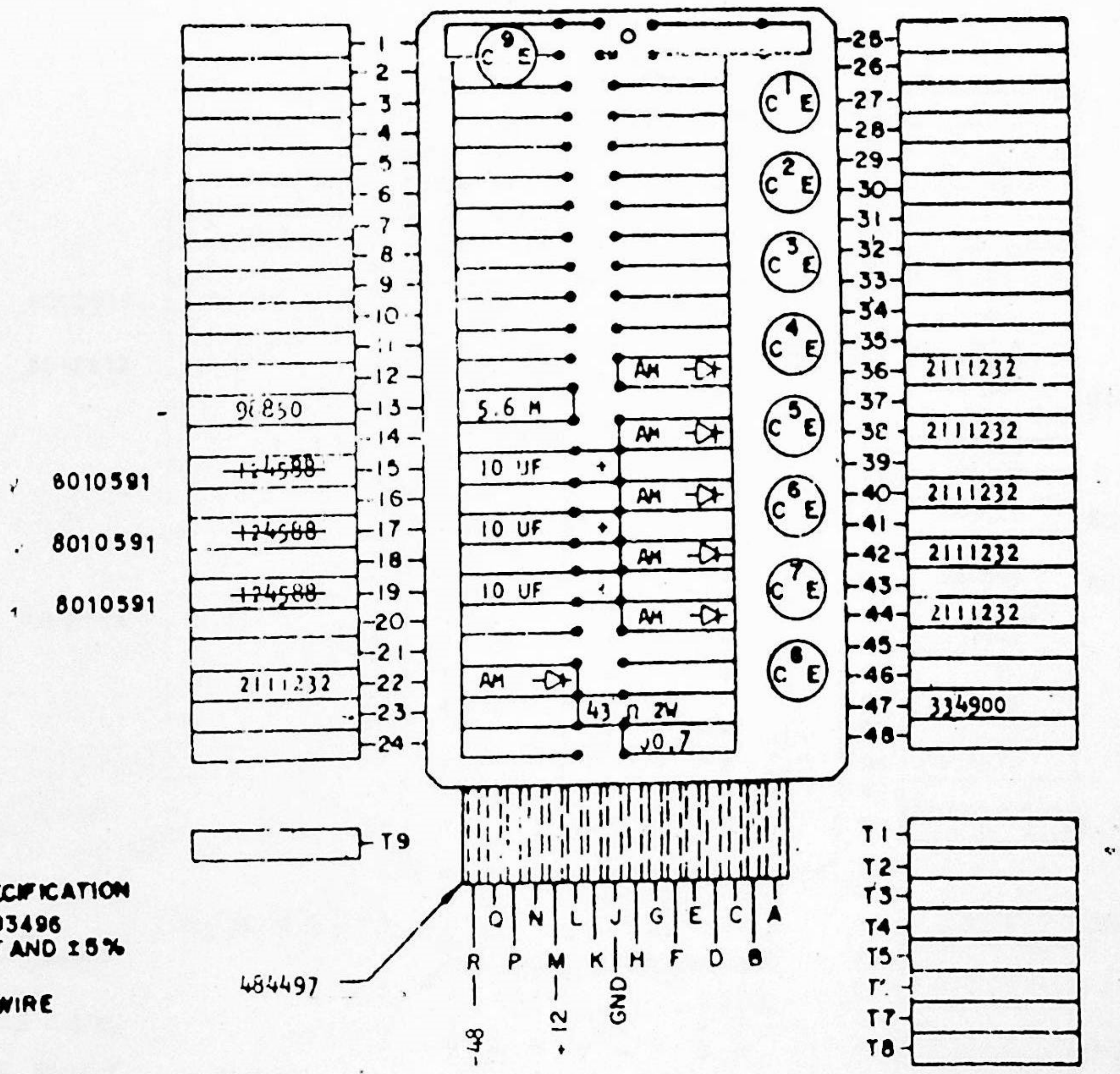
370681

370701

370701	YHM-
CODE NATURE	2.7045

RESISTOR AND SUPPRESSOR





NOTES
I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION
II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 2093495 AND 2093496
III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

HOLE PATTERN
493457

USE WITH SPECIFICATION 8010600

				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
IBM				10.8.61	EC 112426						
NOM	CARD ASM TSTR RESISTOR AND SUPPRESSOR			18-10-61	JT 47023						
PROJET		TYPE	SMS		JT 81888						
DESSIN	DJa 27-6-61	ECHEL		29-1-65	JT 81888-A						
VERIF		CALQ	RDA 27.8-61								
APPR		VERIF									

370701

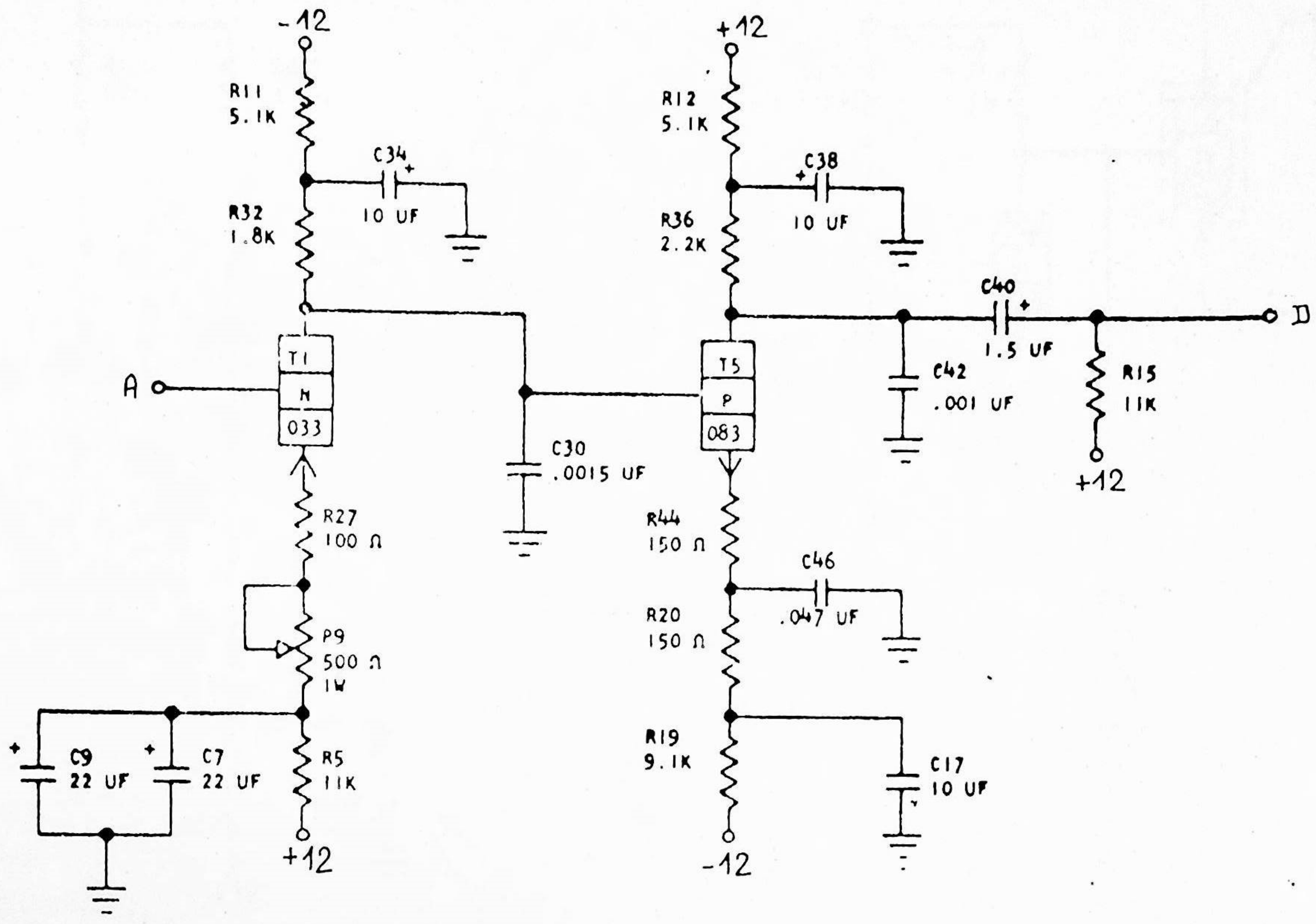
370706

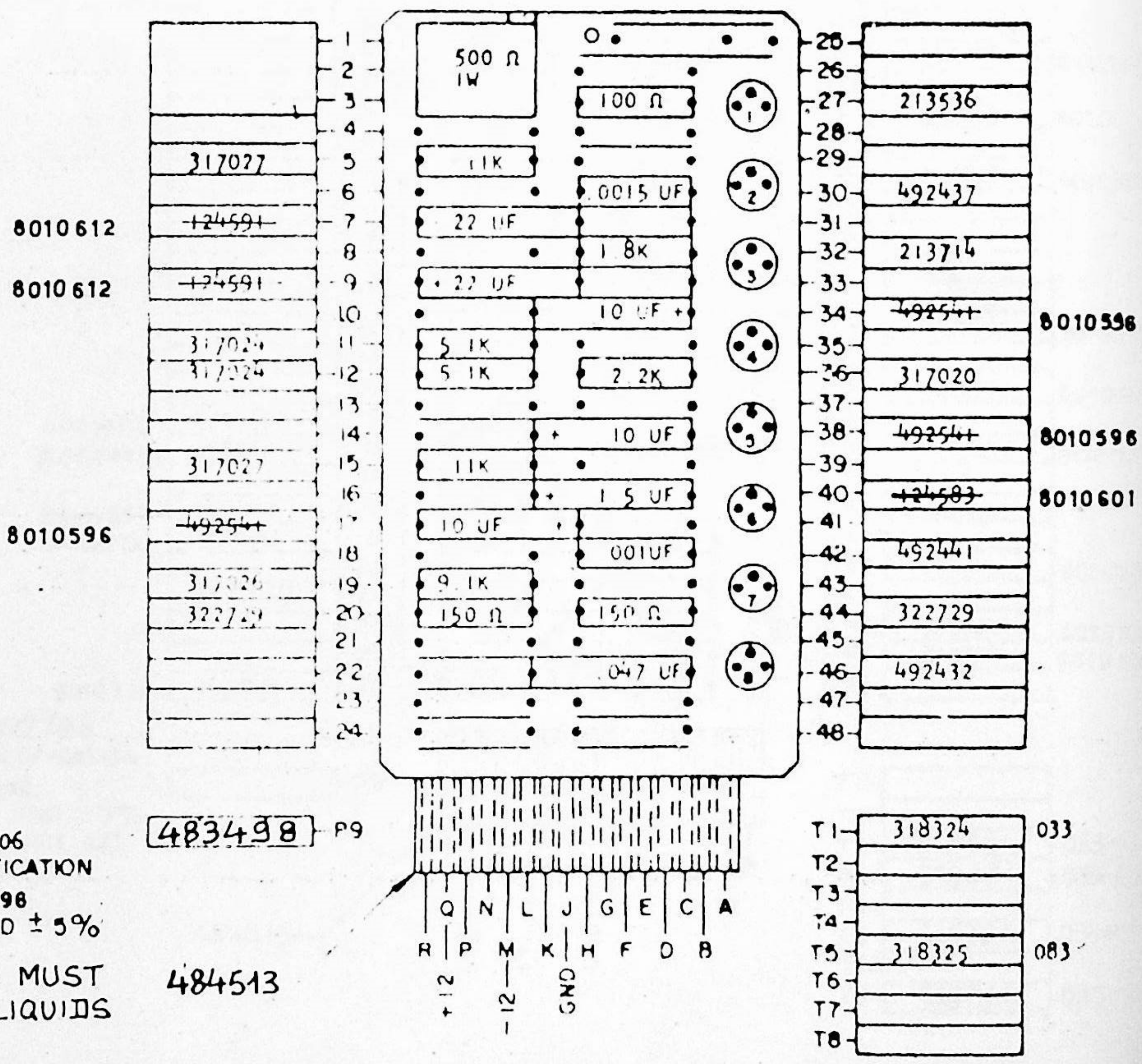
ARK-

CODE NATURE 2.7.545

370706

ALLOY - PRE AMP NO. 1 MAGNETIC TAPE MOD II





NOTES

- I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892706
- XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 2093495 AND 2093496
- XII ALL RESISTORS ARE 1/2 WATT AND ± 5% UNLESS OTHERWISE NOTED
- XIII POTENTIOMETER 483498 MUST NOT BE SUBJECTED TO LIQUIDS

HOLE PATTERN
493457

USE WITH SPECIFICATION 8010000

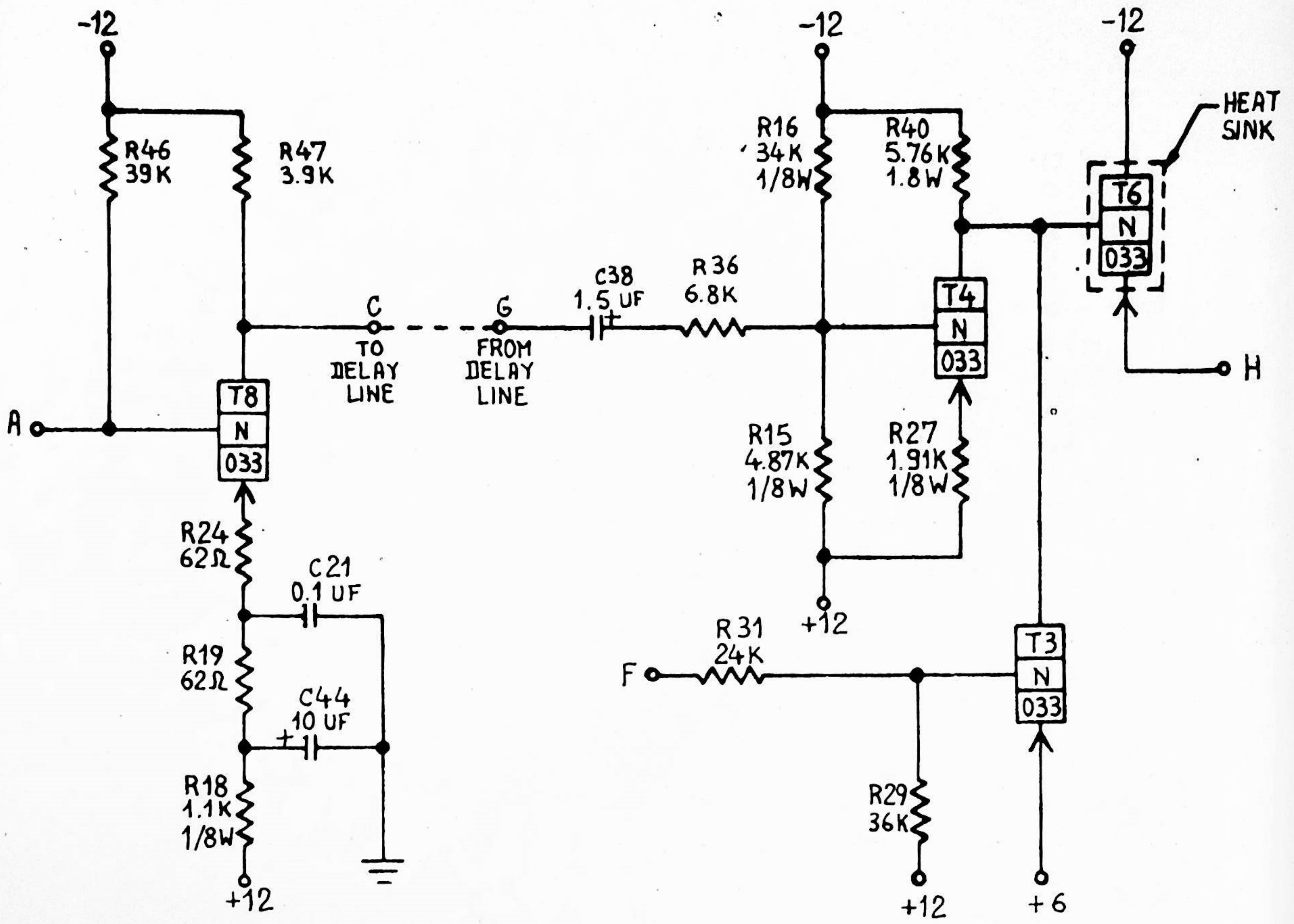
IBM					DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY				22-8-61	EC 112444						
PRE AMP NO 1 MAGNETIC TAPE MOD II						JT 47023						
PROJET			TYPE	SMS	2.12.64	EC 122835						
DESSIN	II Ja	27-9-61	CHEC		4.5.65	JT 86893						
VERIF.			CALQ	ADANO 27.9.61								
APPR			VERIF									

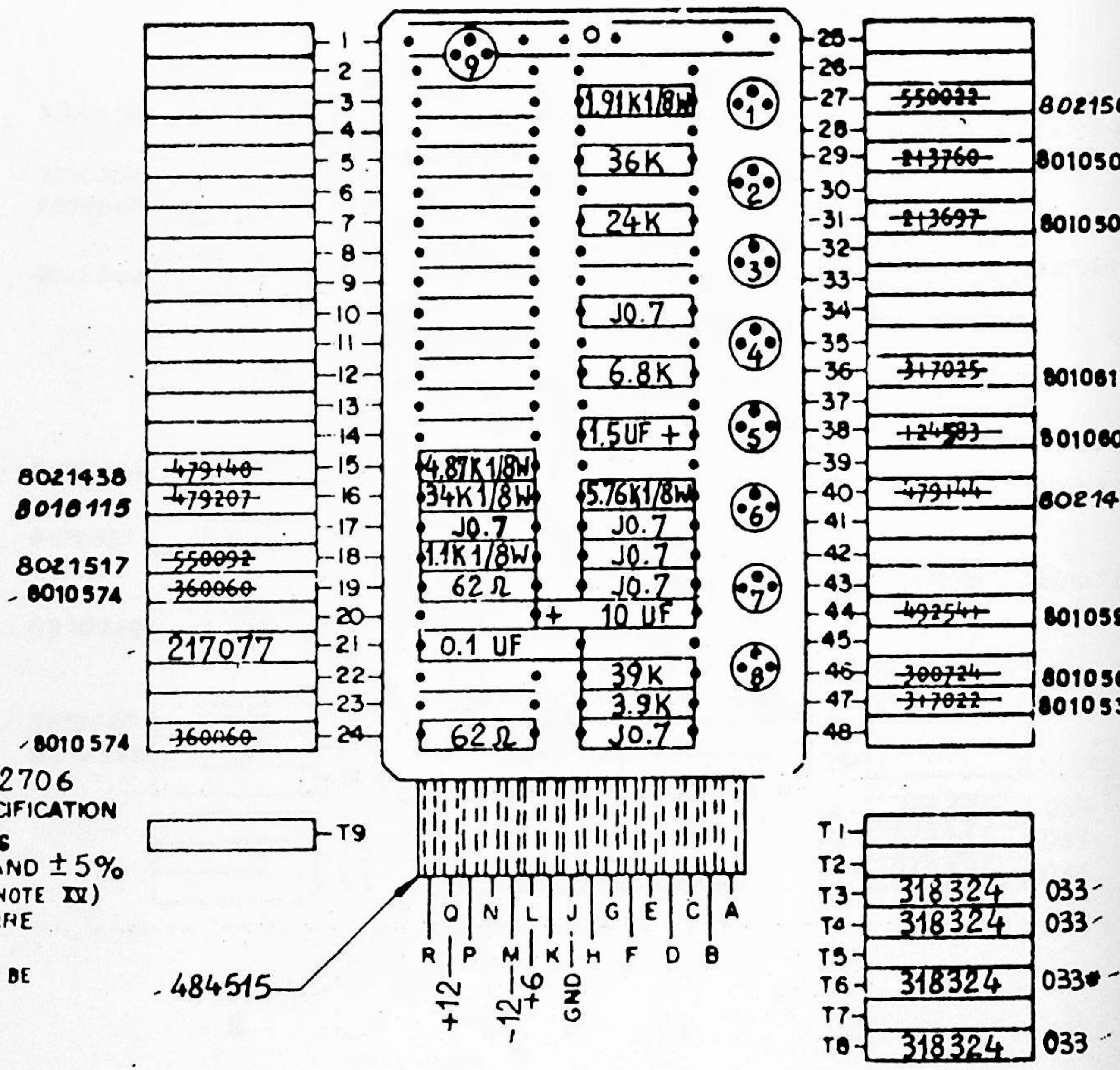
370706

370707 ARL-

CODE NATURE 2.7045

ALLOY - PRE AMP NO. 2 MAGNETIC TAPE





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892706

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED (AS NOTE XV)

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

*XIV HEAT SINK 492434 AND 492435 TO BE SELECTED AS REQUIRED.

XV ALL 1/8W RESISTORS TO BE ±1%

HOLE PATTERN 493457

USE WITH SPECIFICATION 8010600

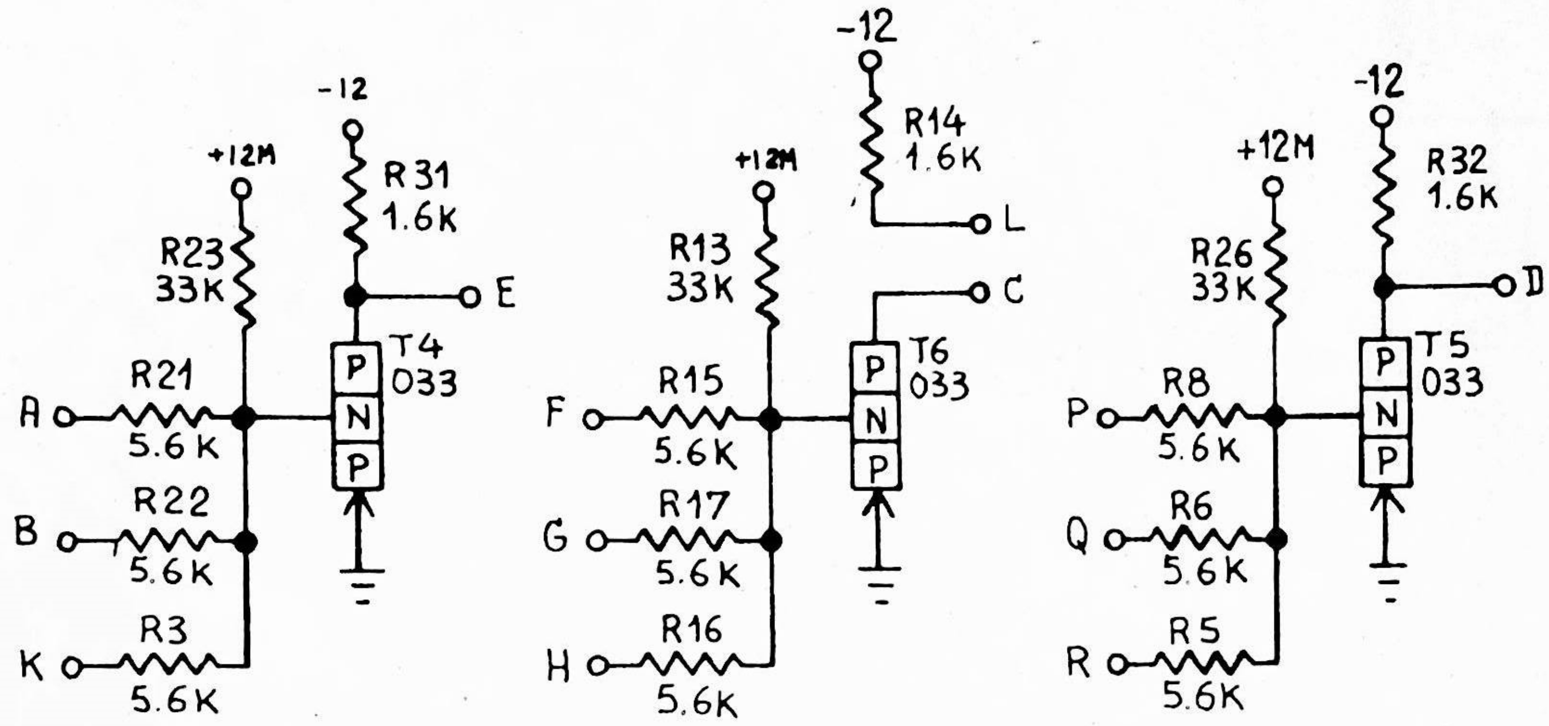
IBM		DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY PRE AMP NO 2 MAGNETIC TAPE	22.8.61	EC112444						
TYPE	SMS	18-10-61	JT47023						
PROJET			JT82893						
DESSIN	D.Ja. 22.9-61								
CALQ	87.8.61								
VERIF. / VERIF									
APPR									

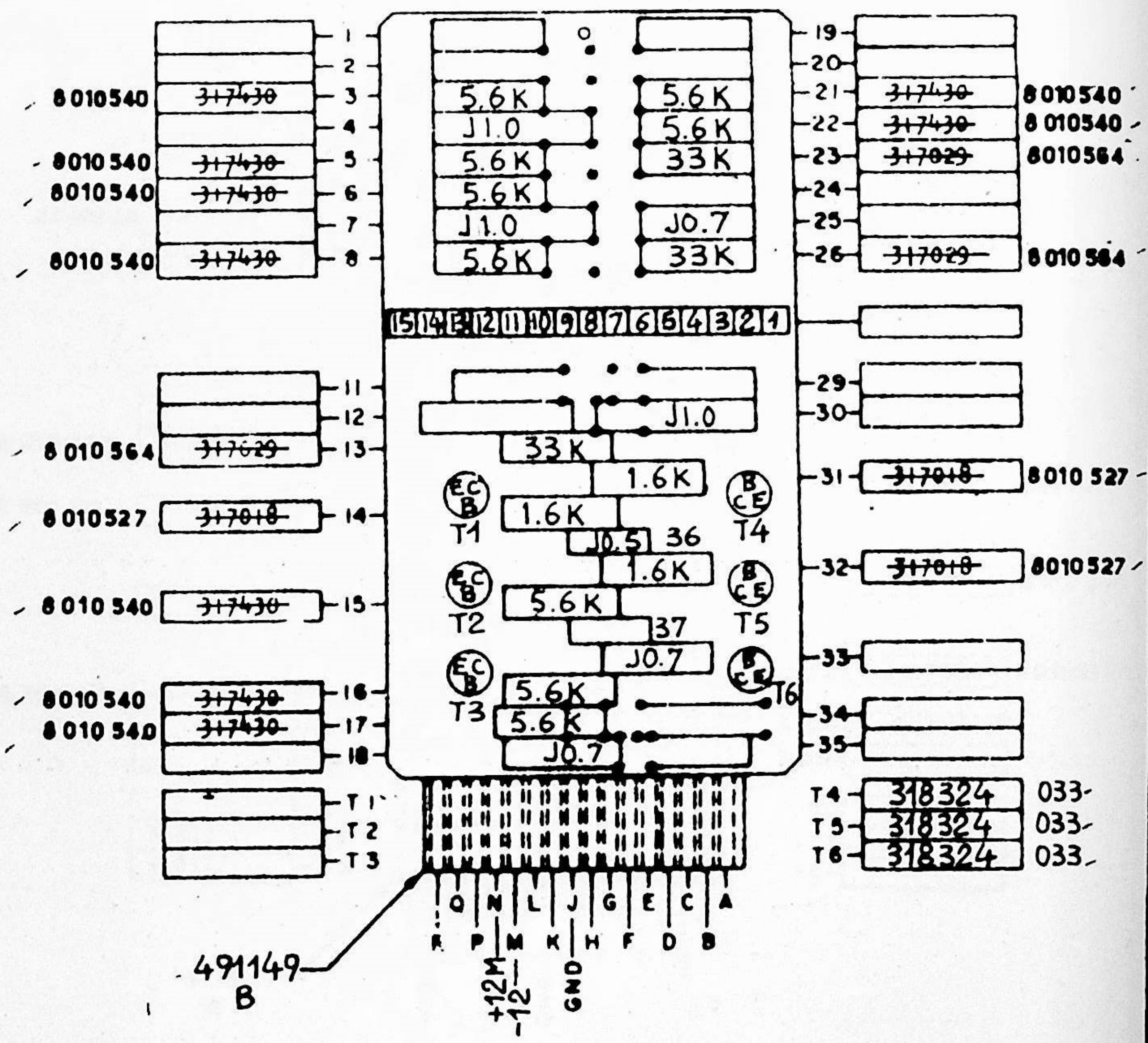
371029 | CD--

CODE NATURE | 2.7045

CTRL _ INVERTERS "N" TYPE

371029





COMPONENT SIDE

NOTES

I TEST TO ENGINEERING SPECIFICATION 891029

II ASSEMBLE TO ENGINEERING SPECIFICATIONS ~~2084692~~ _ 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

IIII "J" IN BLOCK DENOTES BARE WIRE JUMPER.

491296

USE WITH SPECIFICATION 8010600

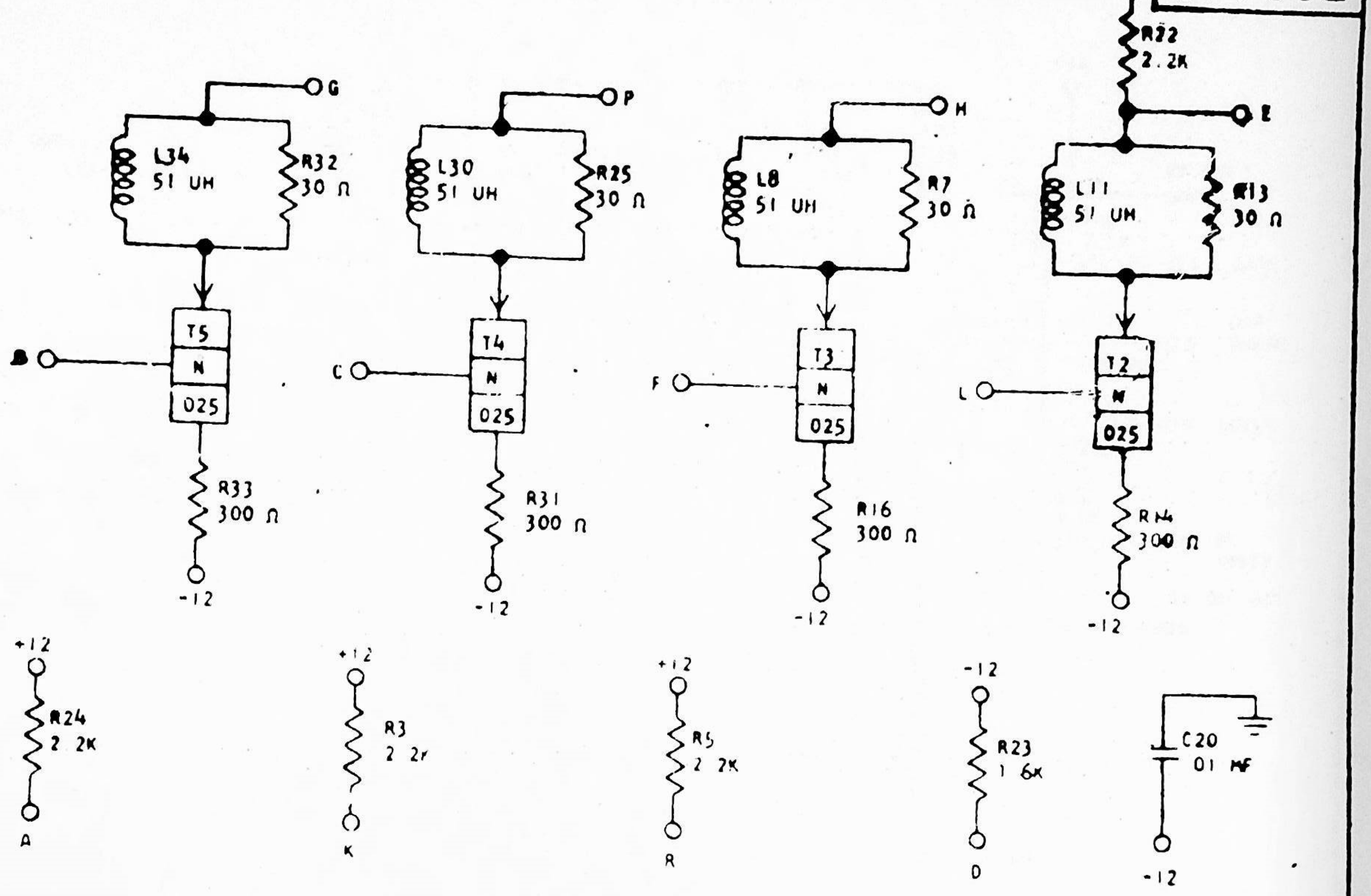
IBM			DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR _ CTRL INVERTERS "N" TYPE		20.6.60	EC 109187						
			24.2.61	JT 47013						
PROJET	TYPE	SMS								
DESSIN.	ECHEL.									
VERIF.	CALQ.									
APPR.	VERIF	DJ 17-2-61								

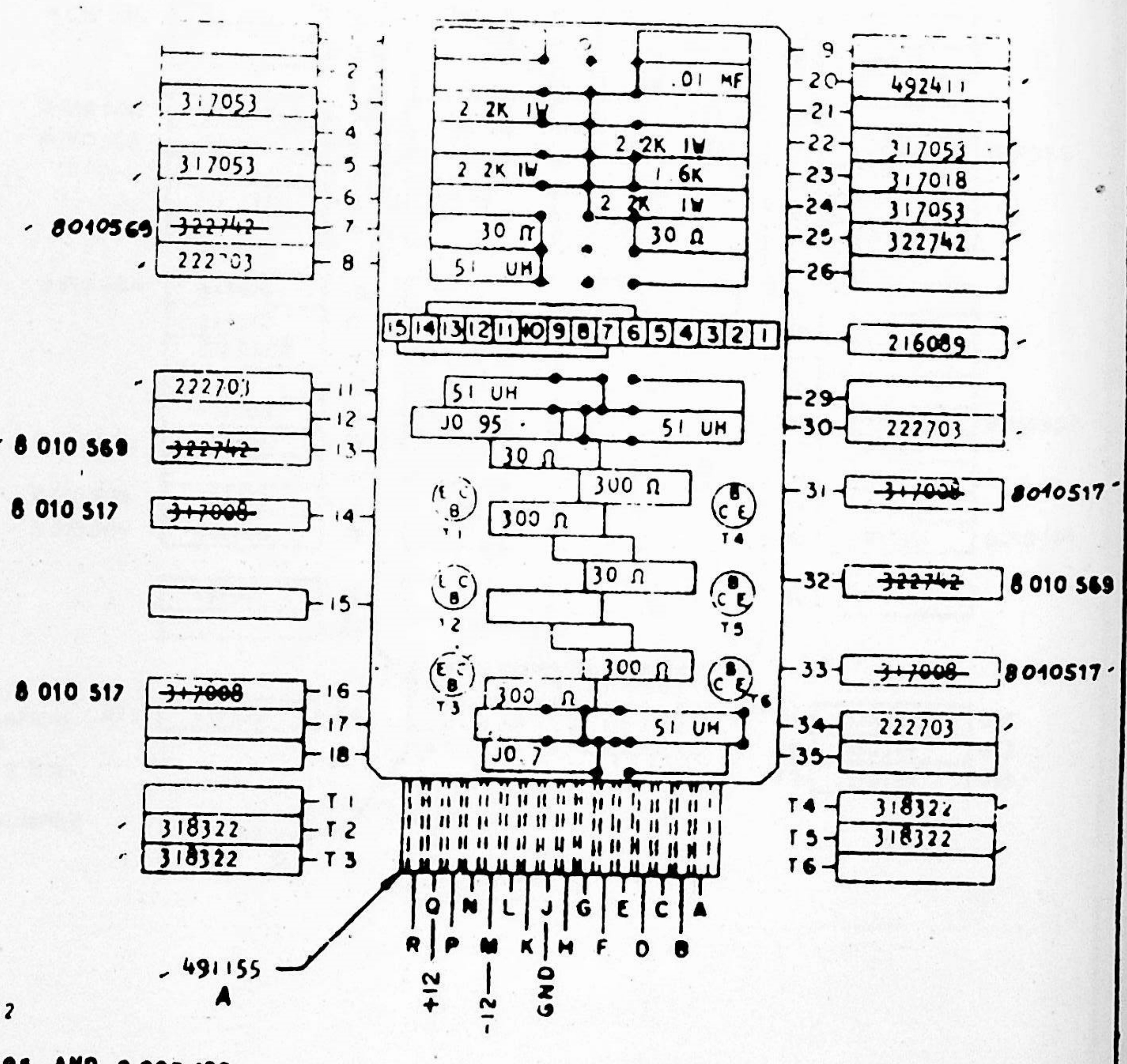
371029

371032	CEYB
CODE NATURE	2.7045

CTRL - EMITTER FOLLOWER PNP

371032





COMPONENT SIDE

NOTES

I CIRCIUT MUST CONFORM TO ENGINEERING SPECIFICATION 891032

II ASSEMBLE TO ENGINEERING SPECIFICATION 2 084 692 _ 2 093 495 AND 2 093 496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER, 491296

USE WITH SPECIFICATION 8010800

IBM					DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR CTRL				8.11.58	EC105 502	7-6-61	JT 48923				
EMITTER FOLLOWER PNP					19.9.60	JT 47001	28.1.62	JT 80876				
PROJET			TYPE	SMS	14.12.60	EC110 502						
DESSIN			ECHEL		1.3.61	JT 47621						
VERIF			CALQ	CLM 23.2.61	27.1.61	EC 111 089						
APPR			VERIF									

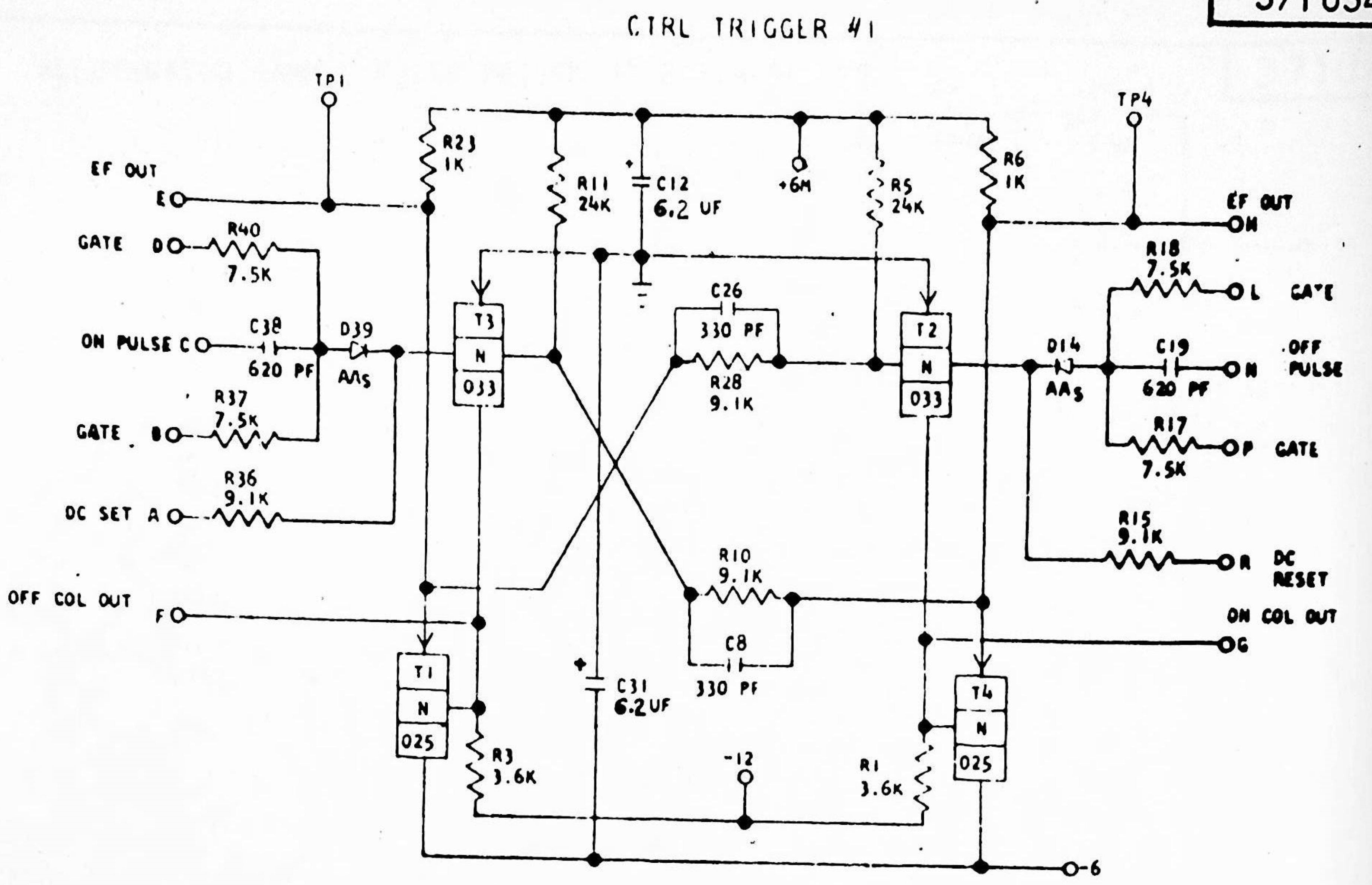
371032

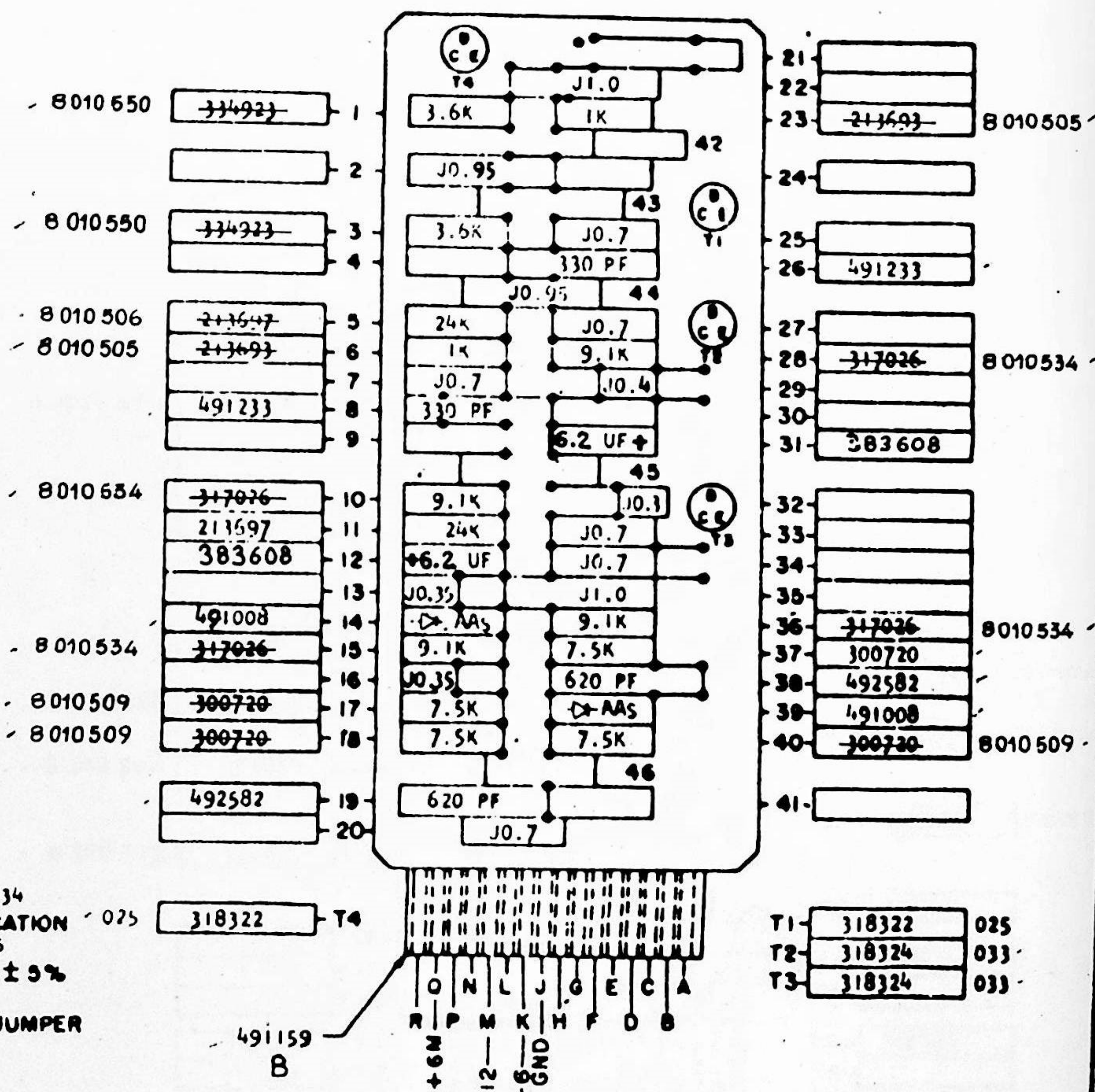
371 034 | AR - -

CODE NATURE 2.7045

371 034

CTRL TRIGGER #1





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891034

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 - 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ± 5% UNLESS OTHERWISE NOTED

IV "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

COMPONENT SIDE

HOLE PATTERN 493456

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR-CTRL TRIGGER #1			23-3-60	EC 108563	17-1-61	EC 110970	21.12.61	EC 113082		JT 84689
PROJET		TYPE	SMS	2-11-60	JT 47005	11-5-61	JT 47647	19.3.62	JT 81881	15.9.64	EC.121632
DESSIN		ECHEL		20-5-60	EC 108709	15-9-61	EC 112680	24.5.62	JT 81852	1.465	JT 86756
VERIF		CALQ	D.46 14-11-61	8-12-60	JT 47996	30-11-67	JT 80858	14.6.62	EC 114443		
APPR		VERIF						21.9.62	JT 82899		

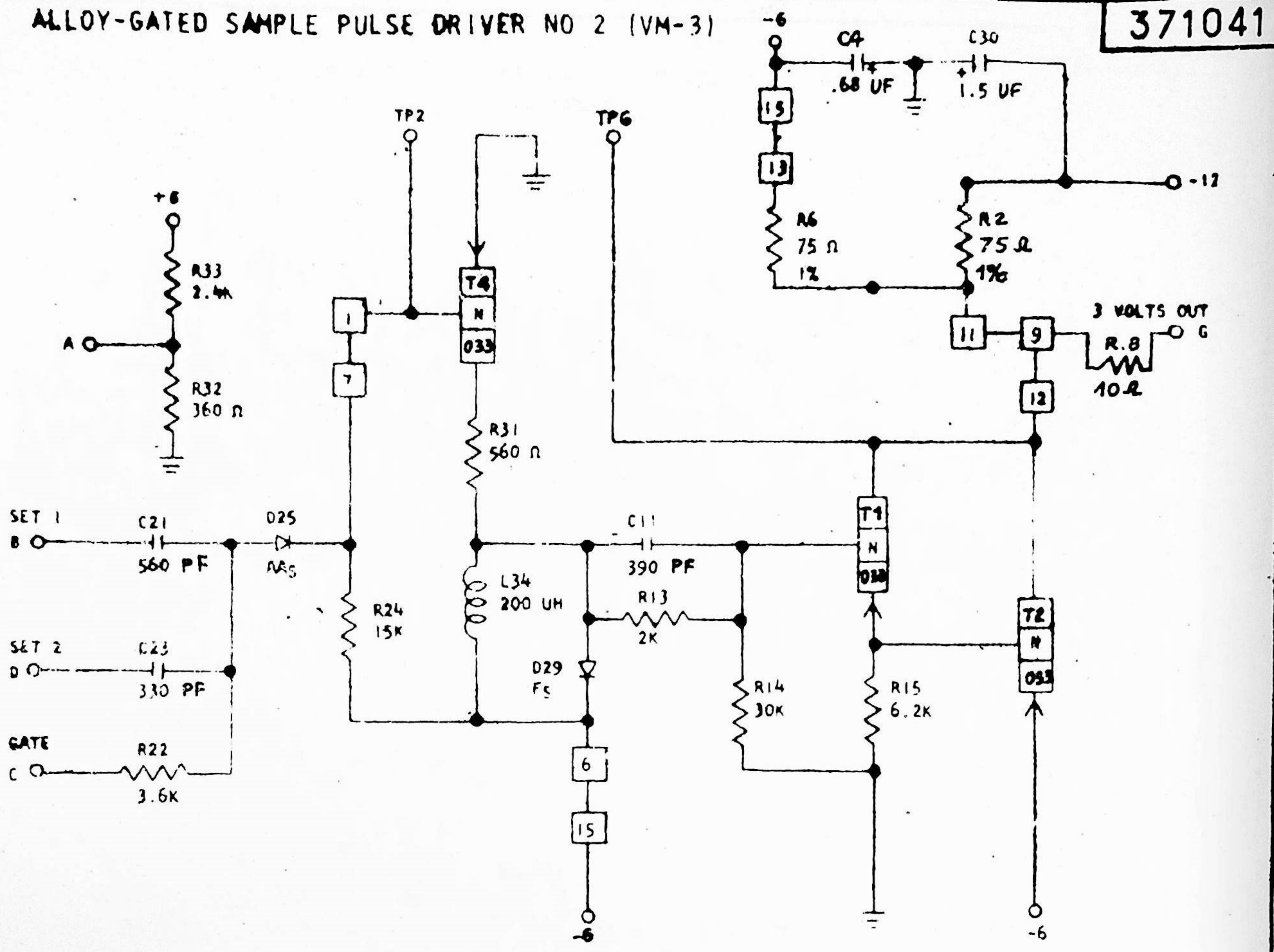
371 034

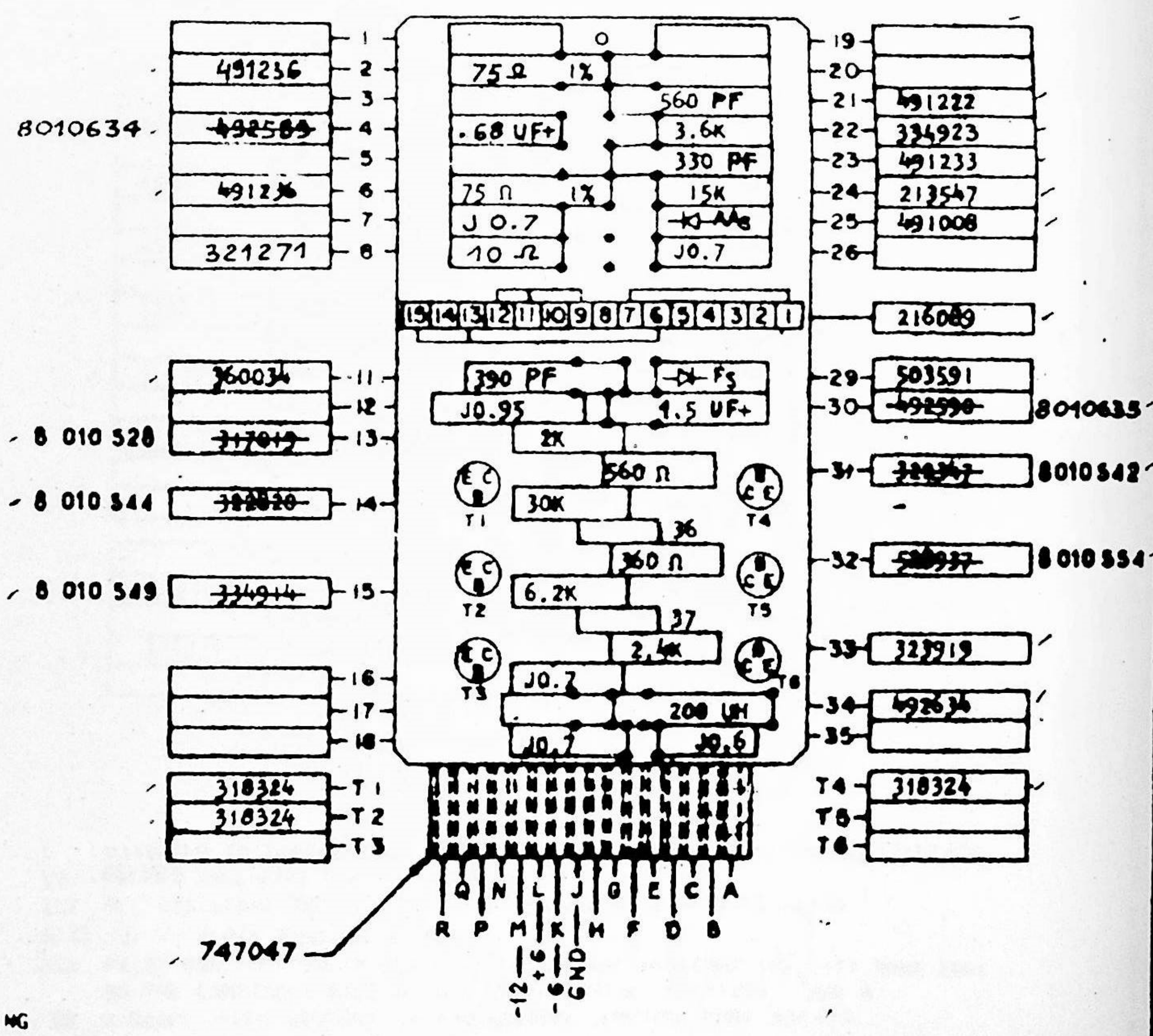
371041 AYWS

CODE NATURE 2.704S

ALLOY-GATED SAMPLE PULSE DRIVER NO 2 (VM-3)

371041





COMPONENT SIDE

NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891041

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 _ 2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

IIII "S" IN BLOCK DENOTES BARE WIRE JUMPER. 491296

HOLE PATTERN
491020

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR _ ALLOY			30.11.59	EC 107 784	20-6-61	EC 112148				
	BATED S.P.D #2 (VM-3)			19.9.60	JT 47001	9-11-61	JT 48790				
PROJET		TYPE	SMS	13.12.60	EC 110 872		JT 80876				
DESSIN		ECHEL		6.3.61	JT 47622	28-11-62	EC 115866				
VERIF		CALQ	CLM 27.2.61			17 AVR 1963	JT 83721				
APPR.		VERIF									

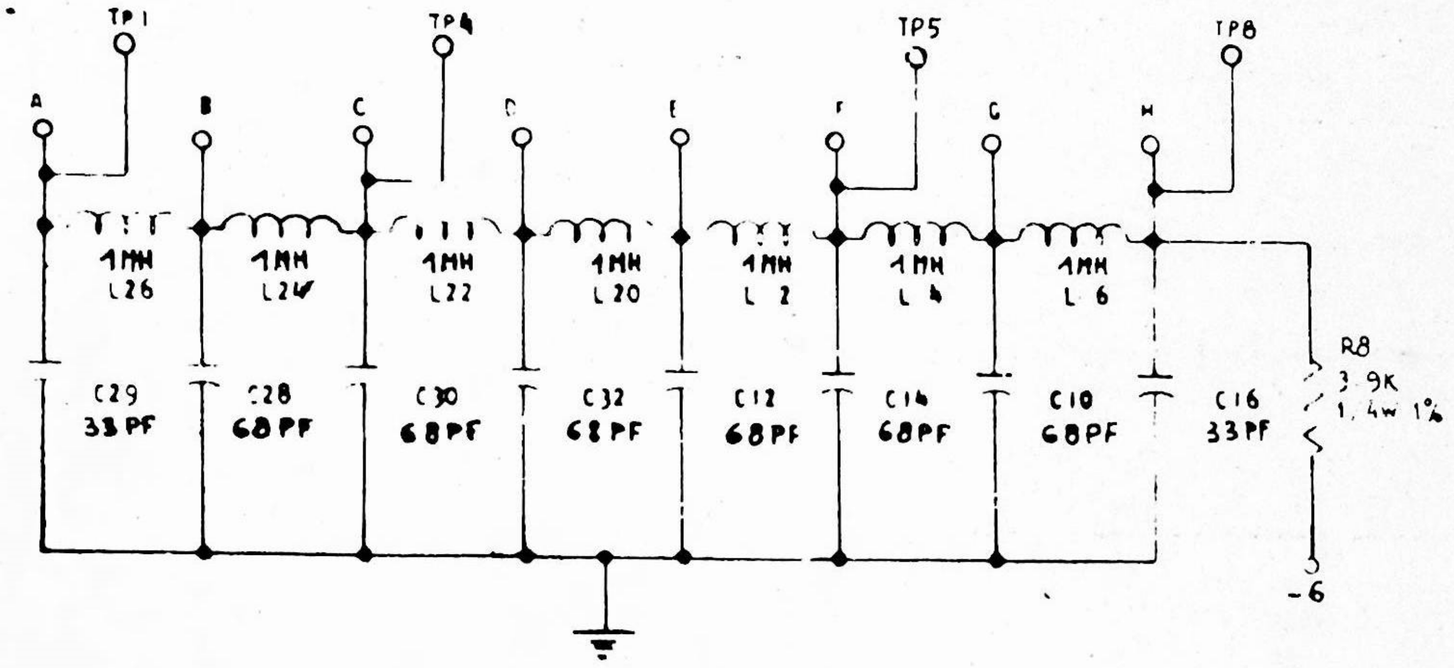
371041

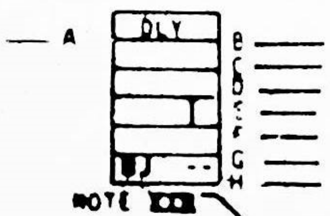
371432

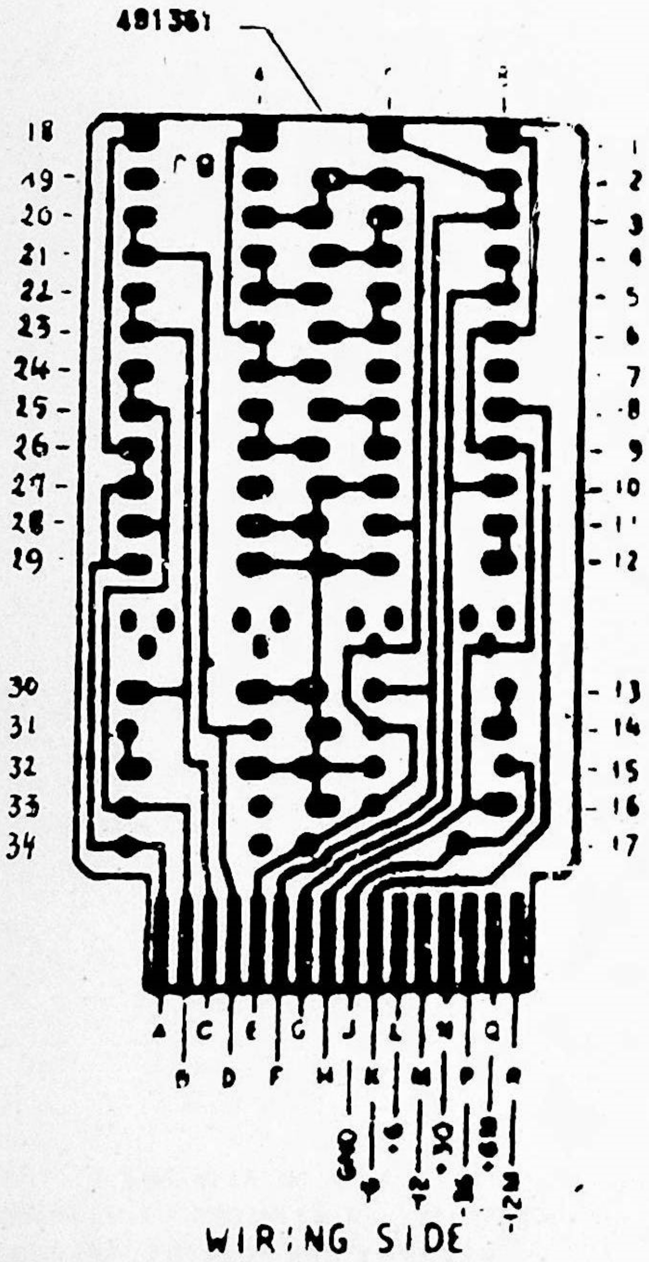
371432

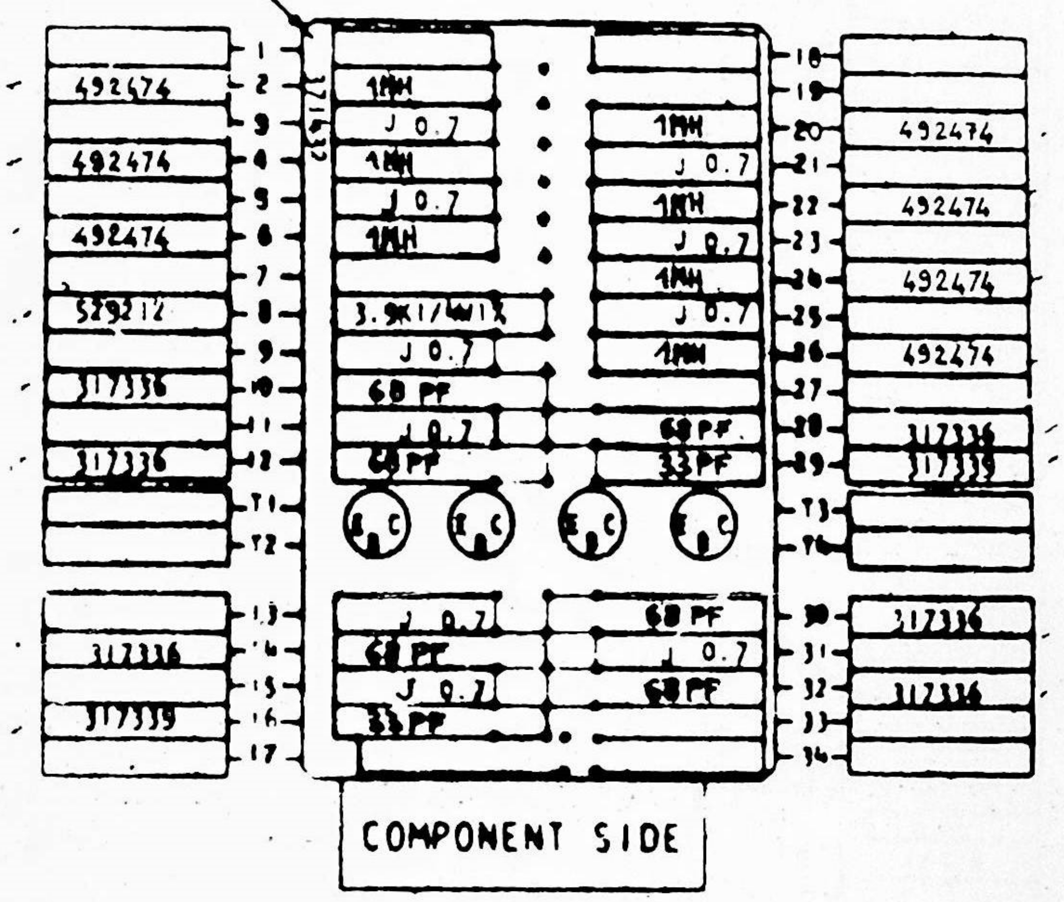
COOE NATURE 2.70 45

ALLOY - DELAY LINE LUMPED









I ASSEMBLE TO ENGINEERING SPECIFICATION 2084682. 2093495 AND 2093496
II 491290 BARE WIRE FOR ALL JUMPERS
III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
IIII "J" IN BLOCK DENOTES JUMPER
IV PRINT ASM PART NO IN BLACK 1/8 HIGH AND 1/16 FROM THE LEFT HAND EDGE ON THE COMPONENT SIDE OF THE CARD BETWEEN POSITIONS 1 AND 8
V CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891432

USE WITH SPECIFICATION 8010600

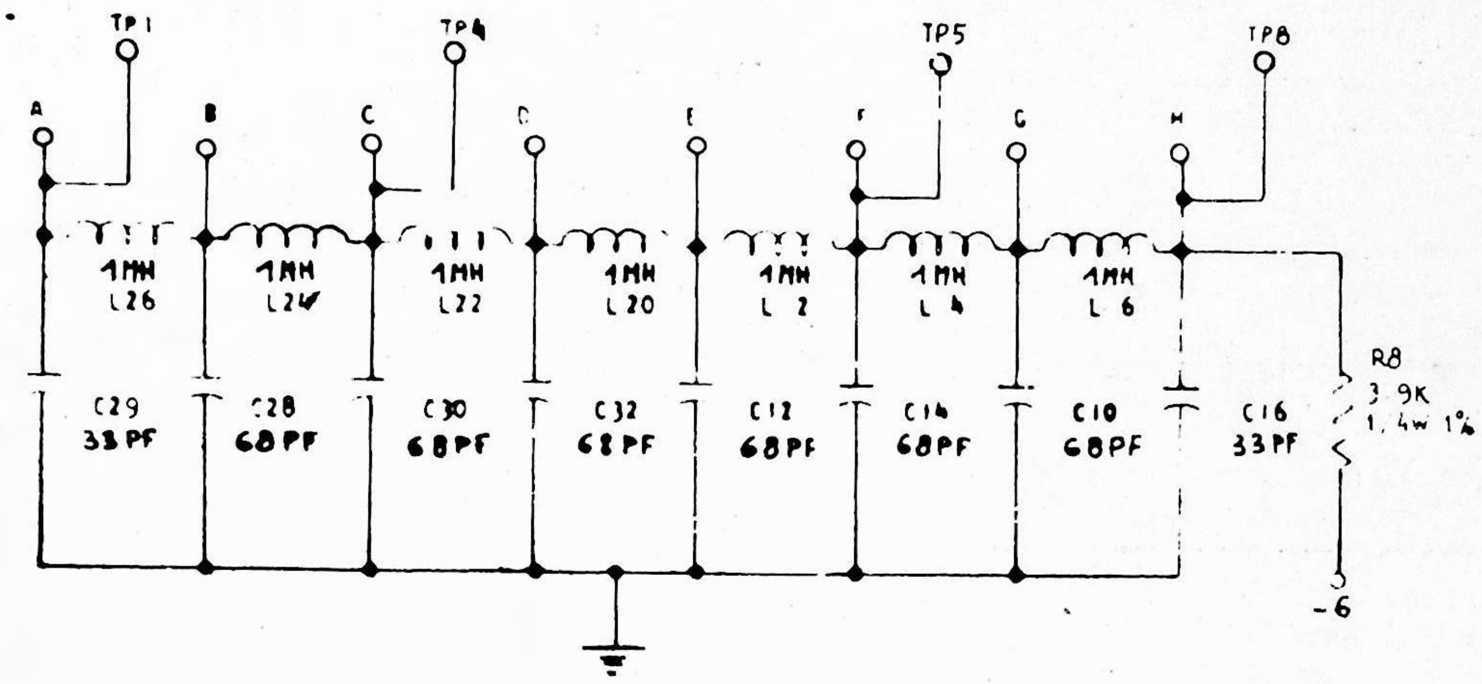
IBM				DATE	CHANG. Nº	DATE	CHANG. Nº	DATE	CHANG. Nº	DATE	CHANG. Nº
NOM	CARD ASM TSTR ALLOY			7.1.55	EC105661						
DELAY LINE LUMPED				23.8.60	JT47602						
PROJET		TYPE	SMS	10.3.61	EC 111205						
DESSIN		ECHELLE		28.6.61	JT 48934						
VERIF		CALQ									
APP		VERIF.		24.6.62	JT 81859						

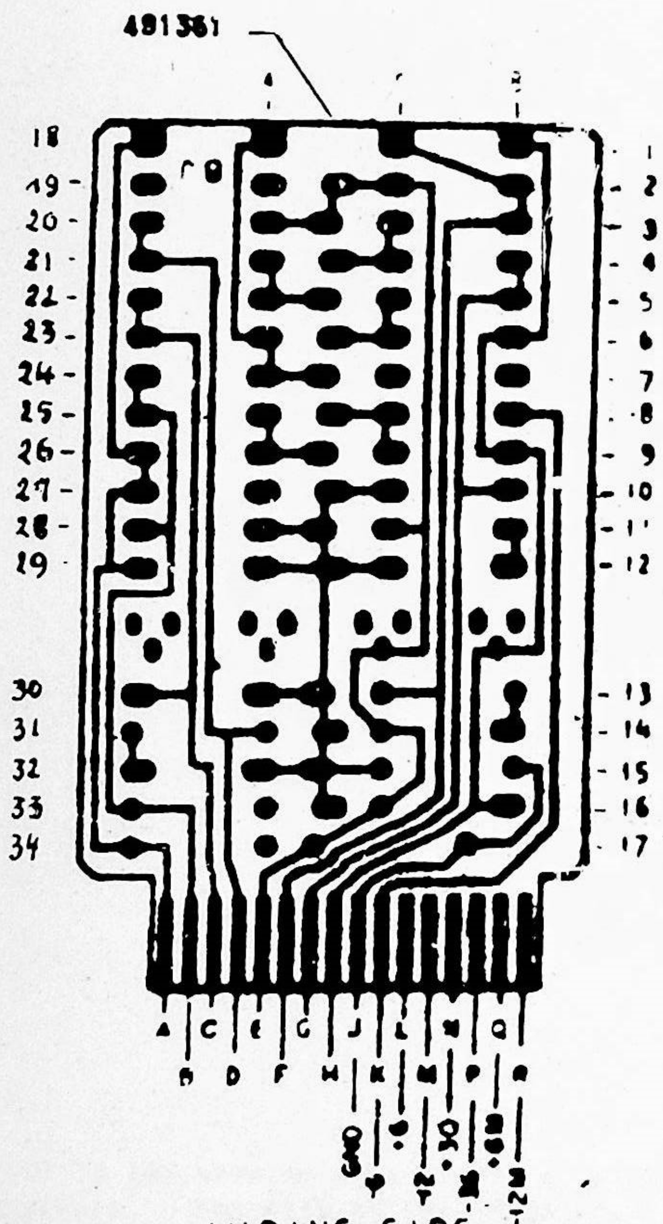
371432

371432

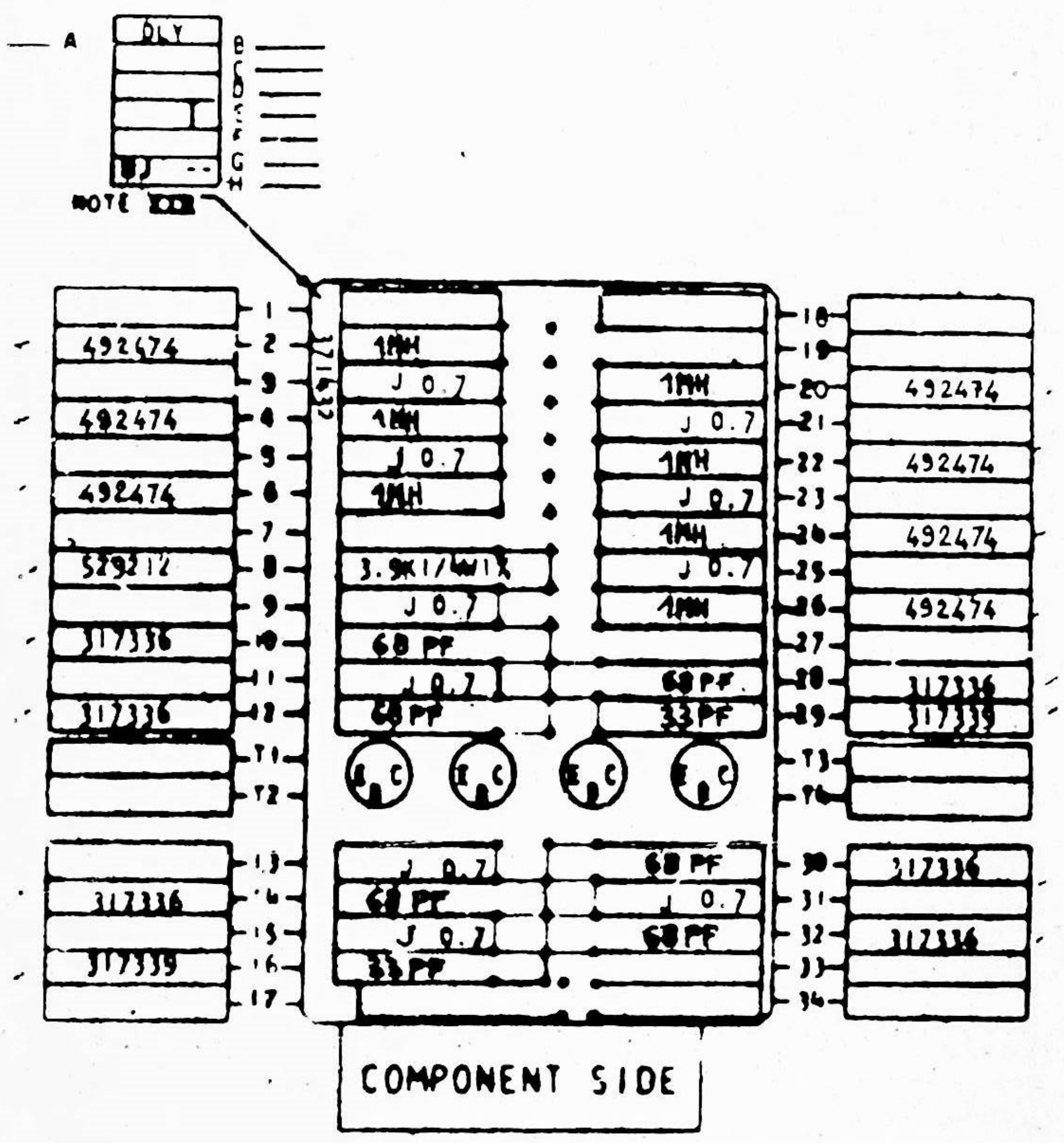
CODE NATURE 2.7045

ALLOY - DELAY LINE LUMPED





WIRING SIDE



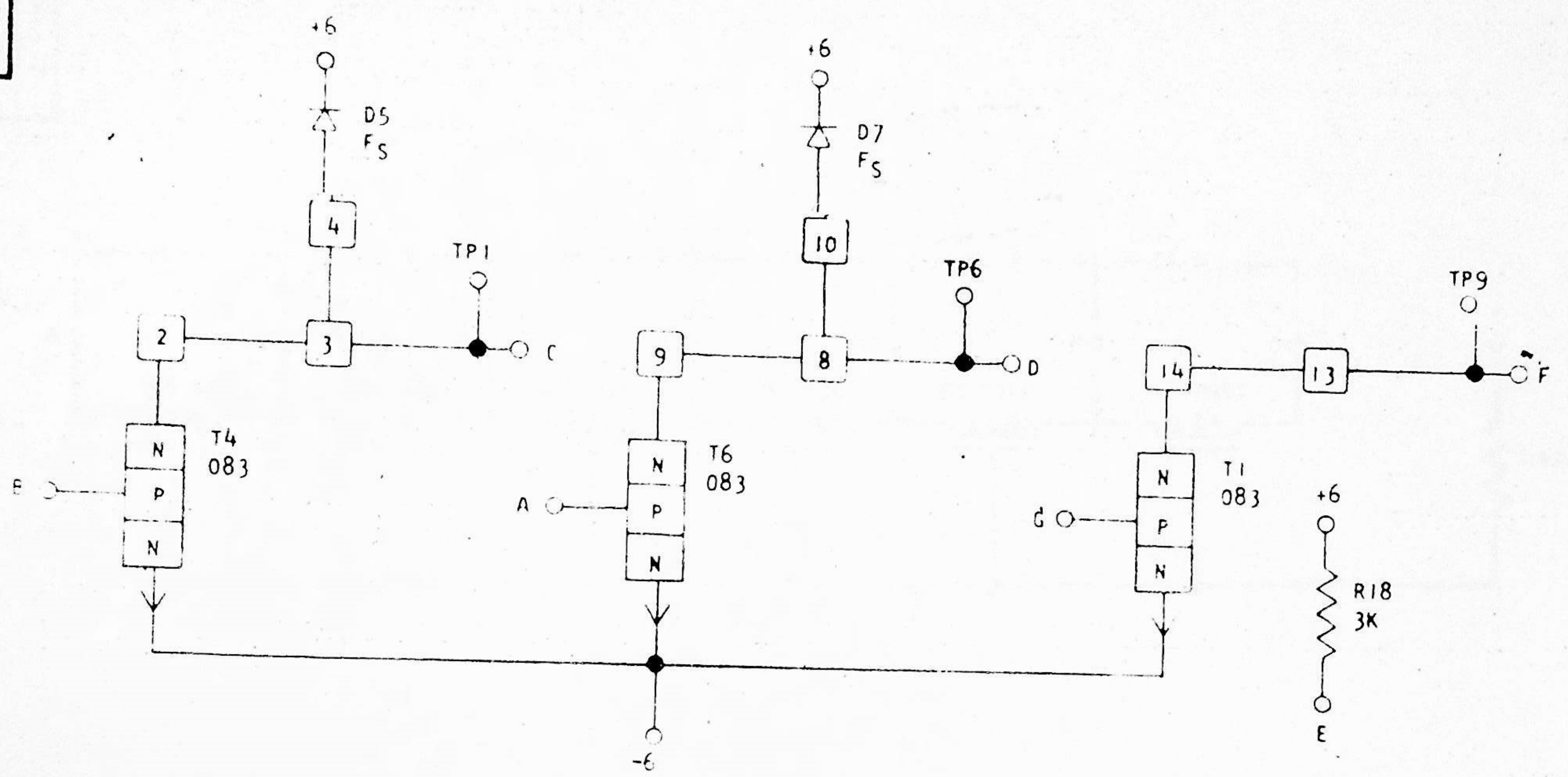
I ASSEMBLE TO ENGINEERING SPECIFICATION 2084682, 2083495 AND 2093496
II 481290 BARE WIRE FOR ALL JUMPERS
III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
IIII "J" IN BLOCK DENOTES JUMPER
IV PRINT ASM PART NO IN BLACK 1/8 HIGH AND 1/16 FROM THE LEFT HAND EDGE ON THE COMPONENT SIDE OF THE CARD BETWEEN POSITIONS 1 AND 8
V CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891432

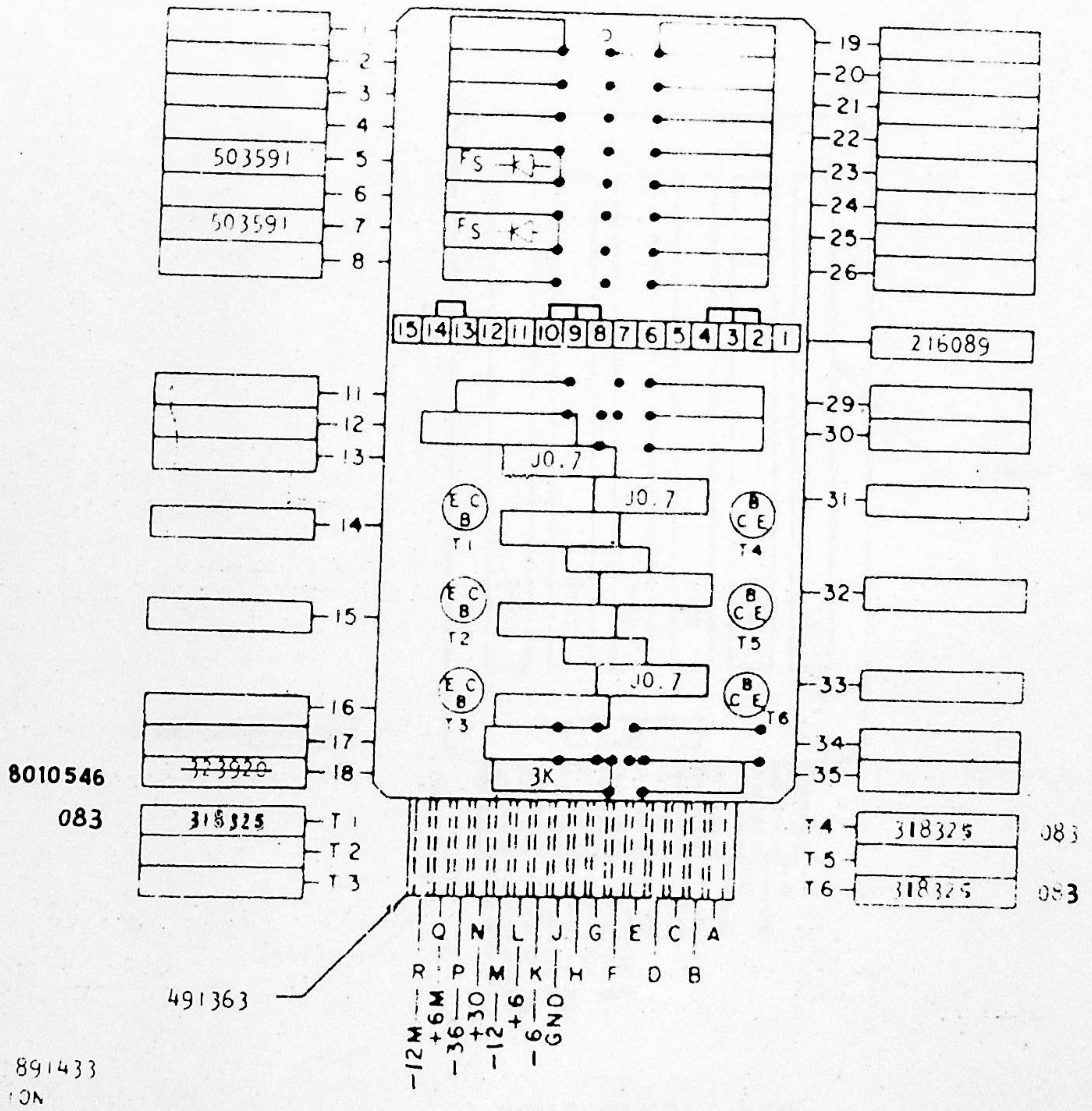
USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG. Nº	DATE	CHANG. Nº	DATE	CHANG. Nº	DATE	CHANG. Nº
NOM	CARD ASM TSTR ALLOY			7.1.58	EC105661						
DELAY LINE LUMPED				28.8.60	JT 47602						
PROJET		TYPE	SMS	10.3.61	EC 111393						
DESSIN		ECHELLE		28.6.61	JT 48934						
VERIF		CALQ	[illegible]								
APP		VERIF.	[illegible] 21.9.60	24.6.62	JT 81850						

371433	BKVZ
CODE NATURE	2_7045

ALLOY-DRIVER, PROLAY ONE READ GATE





NOTES

X TEST TO ENGINEERING SPECIFICATION 891433

XI ASSEMBLE TO ENGINEERING SPECIFICATION 2 084 692 _2093495 AND 2 093 496

XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER. 491296

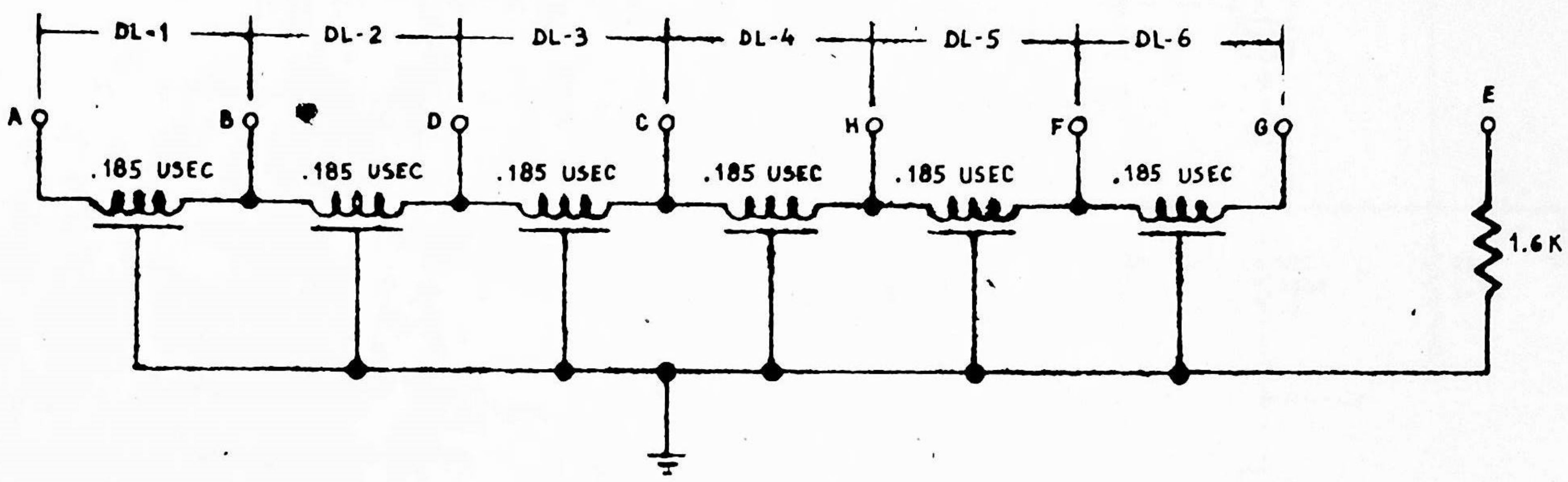
USE WITH SPECIFICATION 8 010 600

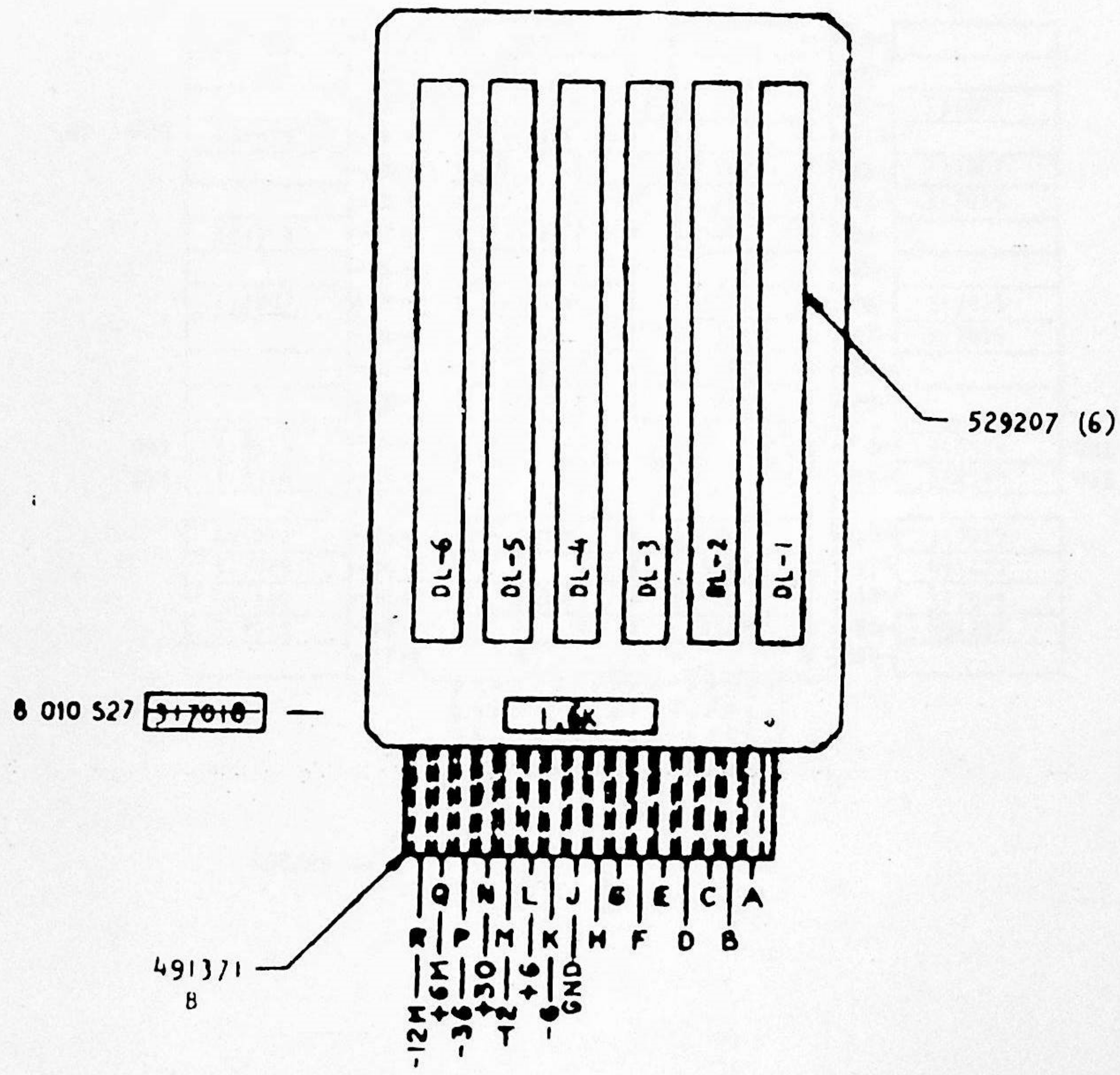
IBM					DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY DRIVER				27.4.60	EC 108823						
PROLAY ONE READ GATE					2.11.60	JT 47005						
PROJET		TYPE	SMS		16.6.60	EC 109191						
DESSIN	DJa	29-9-61	ECHEL		18-10-61	JT48765						
VERIF		11-10-61	CALQ	RDA40 28.9.61								
			VERIF	CLM 10-10-61								

371433

371439	BP --
CODE NATURE	2.7045

ALL... -DELAY LINE DISTRIBUTED





COMPONENT SIDE

NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891439

II ASSEMBLE TO ENGINEERING SPECIFICATIONS 2 084 692 _ 2 093 495 AND 2 093 496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

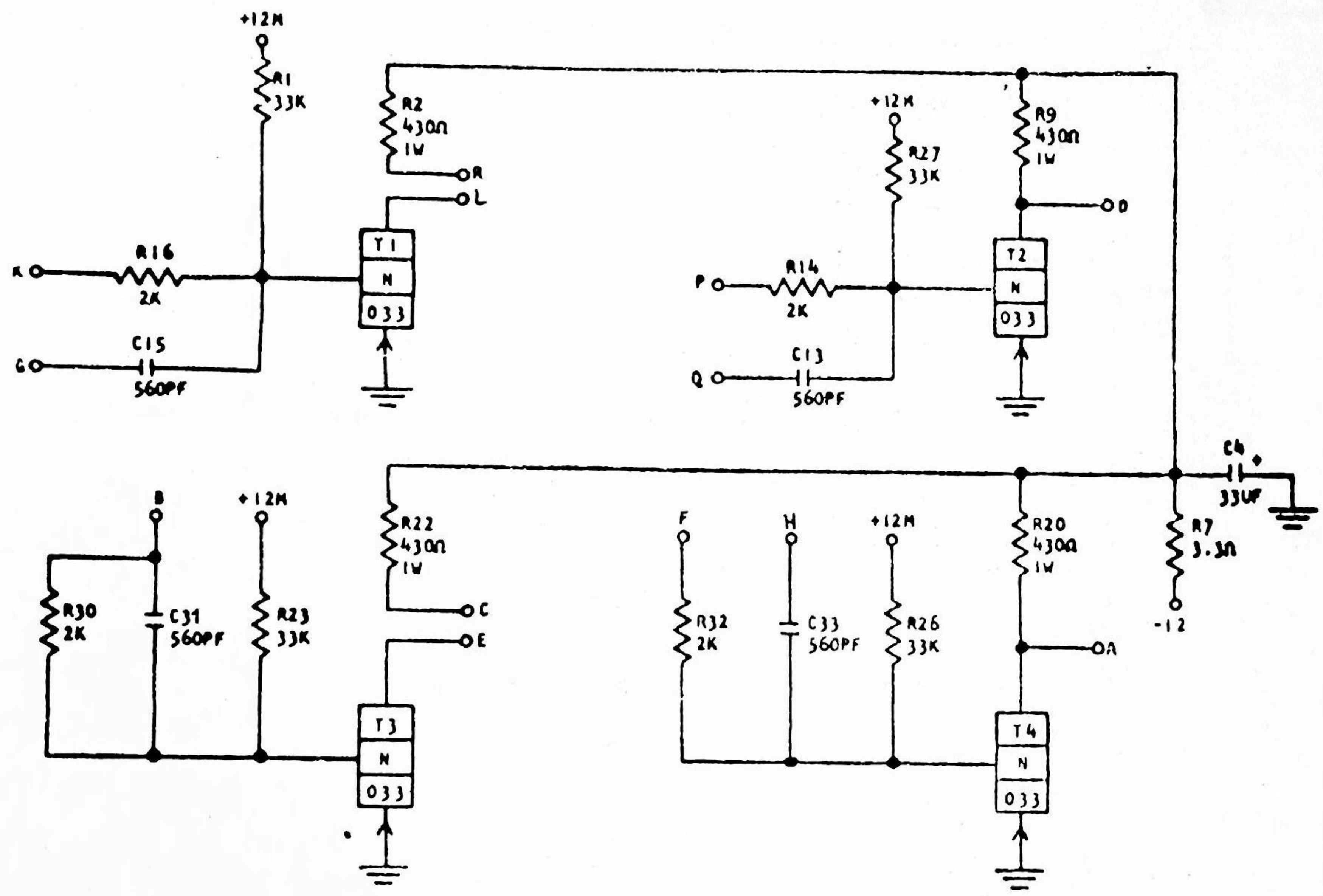
USE WITH SPECIFICATION 8 010 600

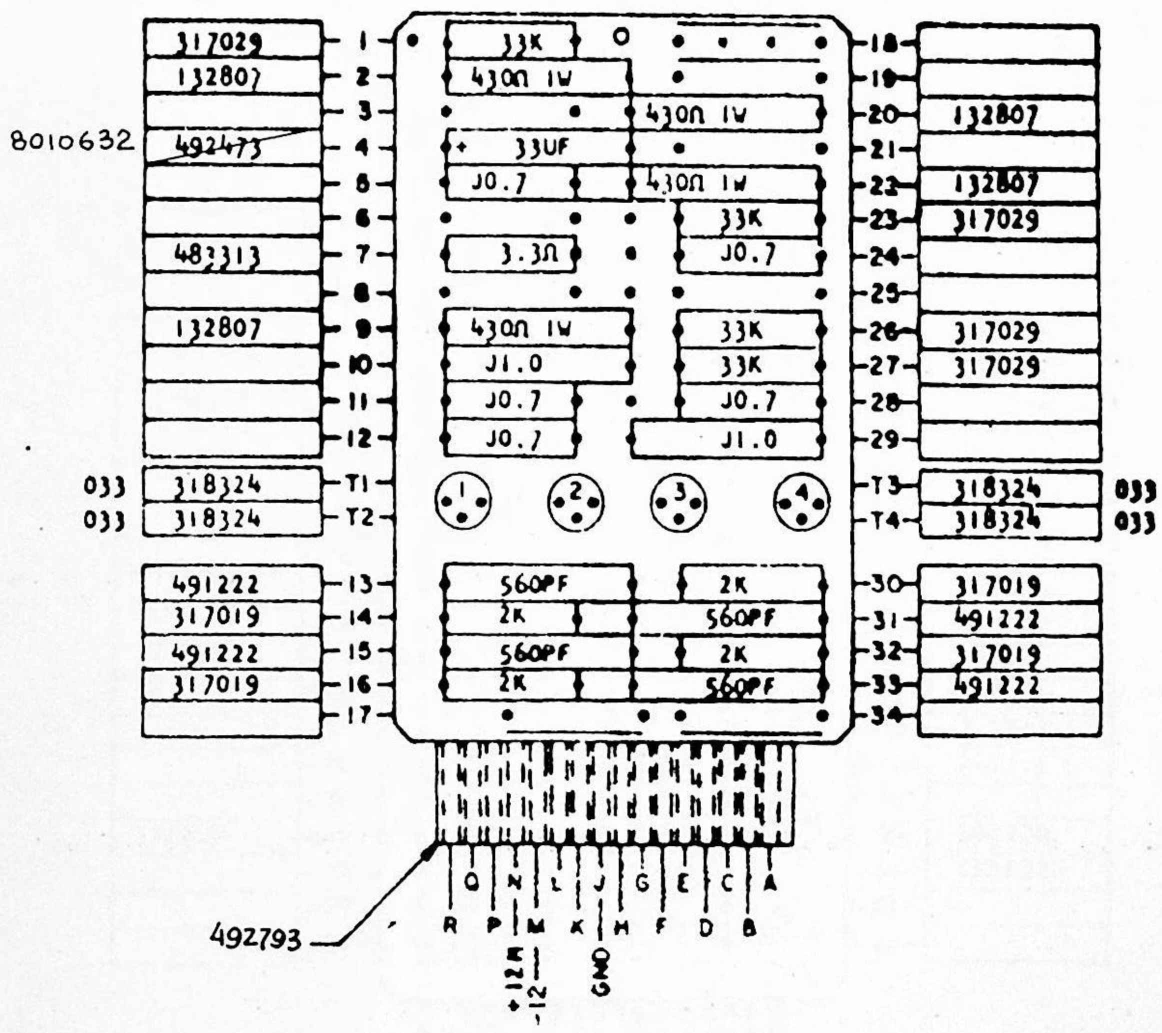
IBM					DATE	CHANG. N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR _ ALLOY				16_9.59	EC 106942						
DELAY LINE DISTRIBUTED					19_9.60	JT 47 031						
PROJET			TYPE	SMS	28_9.60	EC 109 919						
DESSIN.			ECHEL		22_3_61	JT 47627						
VERIF.			CALQ	CLM 15.3.61								
APPR	BPL	30.3.61	VERIF	9S 30.3.61								

371439

371487	MH..
CODE NATURE	2.7045

INVERTER, POWER-PNP





NOTES

- I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891487
- XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692. 2093495 AND 2093496
- XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
- XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

HOLE PATTERN
491329

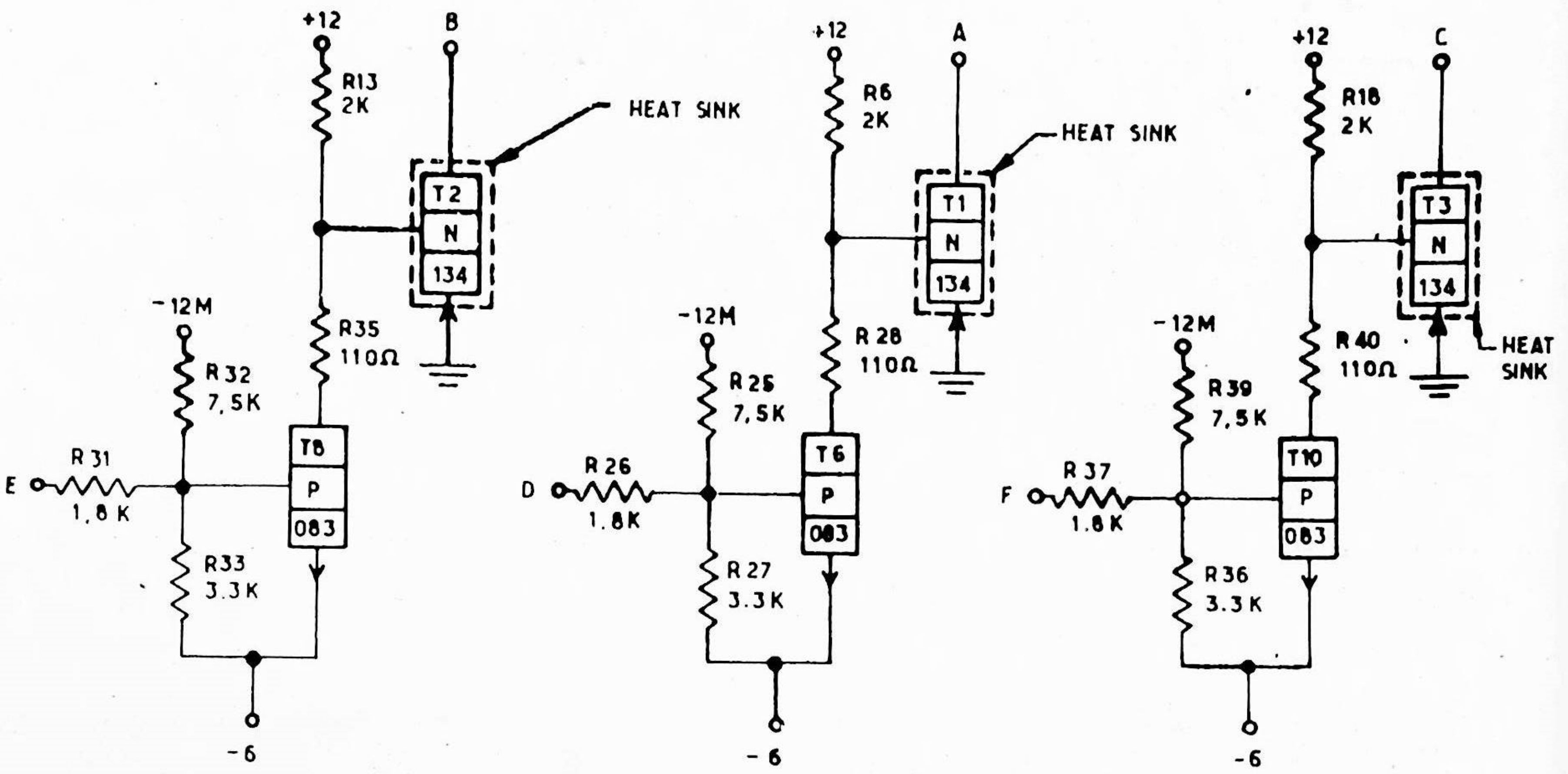
USE WITH SPECIFICATION 8010600

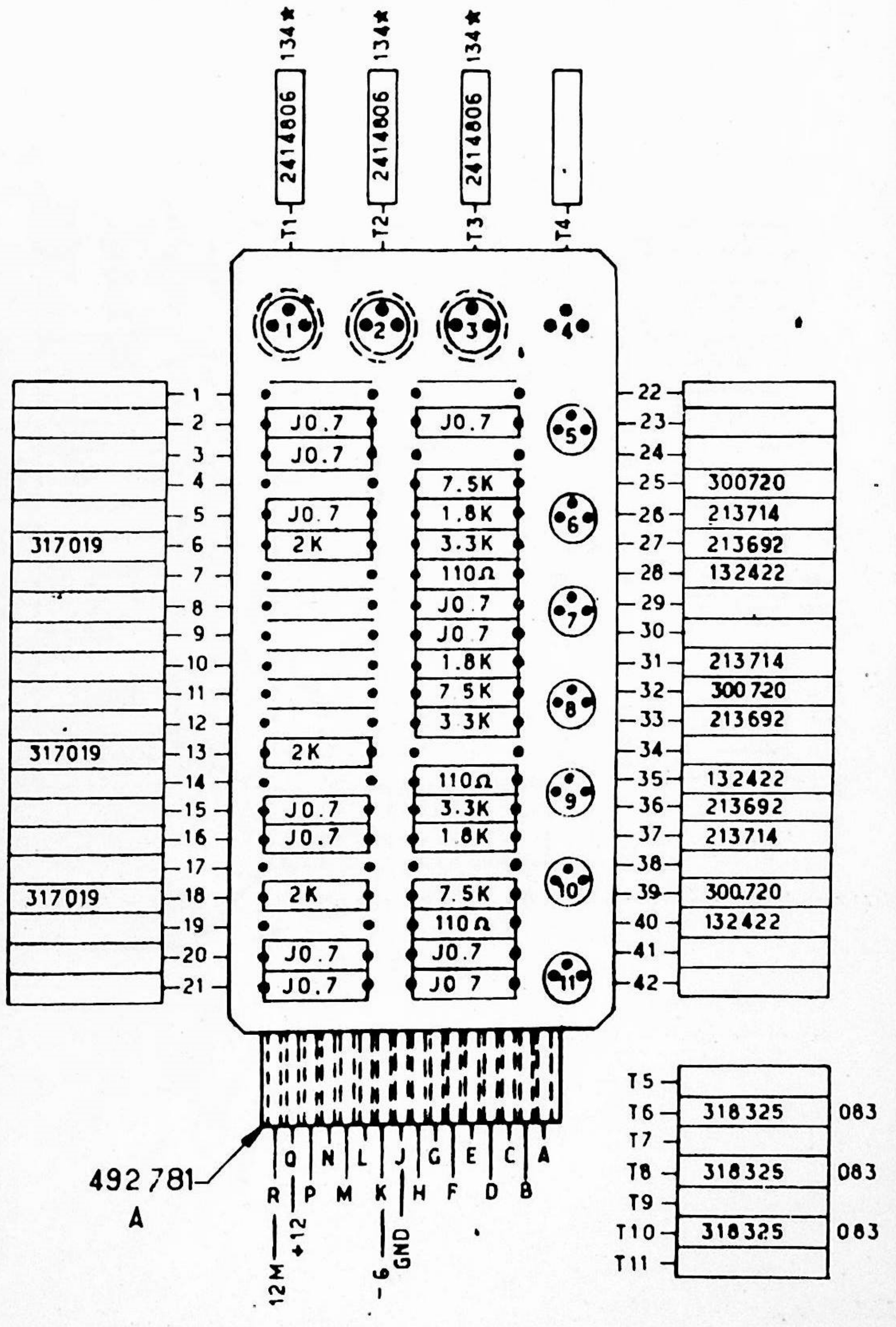
IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR INVERTER,			11-12.59	EC 107842						
	POWER - PNP			18-10-61	JT 47023						
PROJET		TYPE	SMS	29-1-62	JT 80876						
DESSIN	47-6-63	ECHEL.		29-4-63	EC 116190						
VERIF.		CALQ.		25-6-63	JT 83728						
APPR		VERIF.									

371497	MD--
CODE NATURE	2.7045

371497

DRIVERS, FUNCTIONAL COIL





NOTES

X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891497.

XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 - 2093495 AND 2093496.

XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED.

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER, 491296.

*XIV HEAT SINK 492434 OR 492435 TO BE SELECTED AS REQUIRED

HOLE PATTERN
493474

USE WITH SPECIFICATION 8010600

IBM				
NOM	CARD ASM TSTR - DRIVERS FUNCTIONAL COIL			
PROJET		TYPE	SMS	
DESSIN	RD40	22.5.64	ECHEL	
VERIF.	R.D.	22.5.64	CALQ.	
APPR			VERIF.	

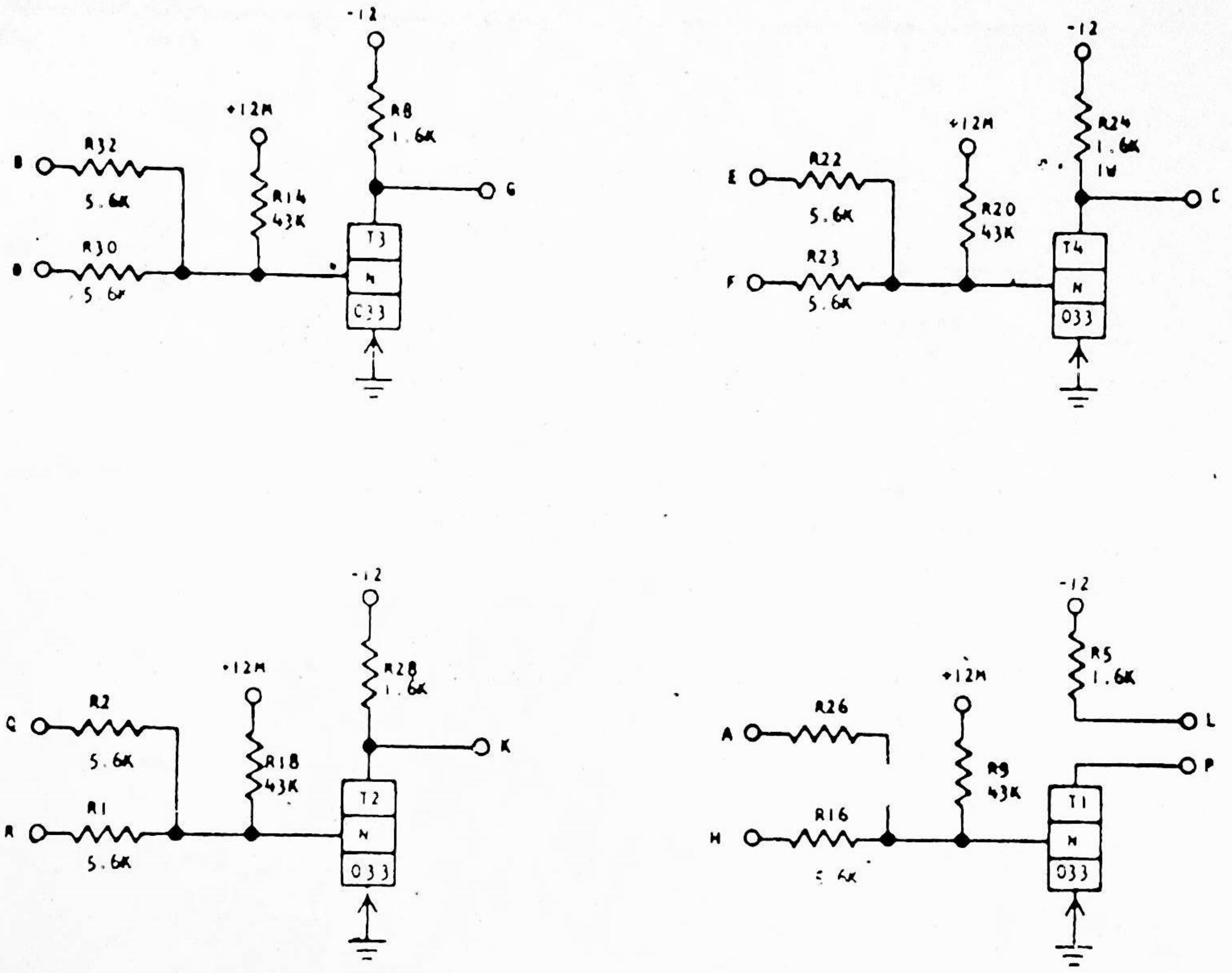
DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
5.10.59	EC:106943	19.12.63	EC:117838				
7.4.61	JT:47015	5.8.64	JT 85764				
29.1.62	JT:80876						
27.4.62	EC 112757						
13.9.62	JT 82889						

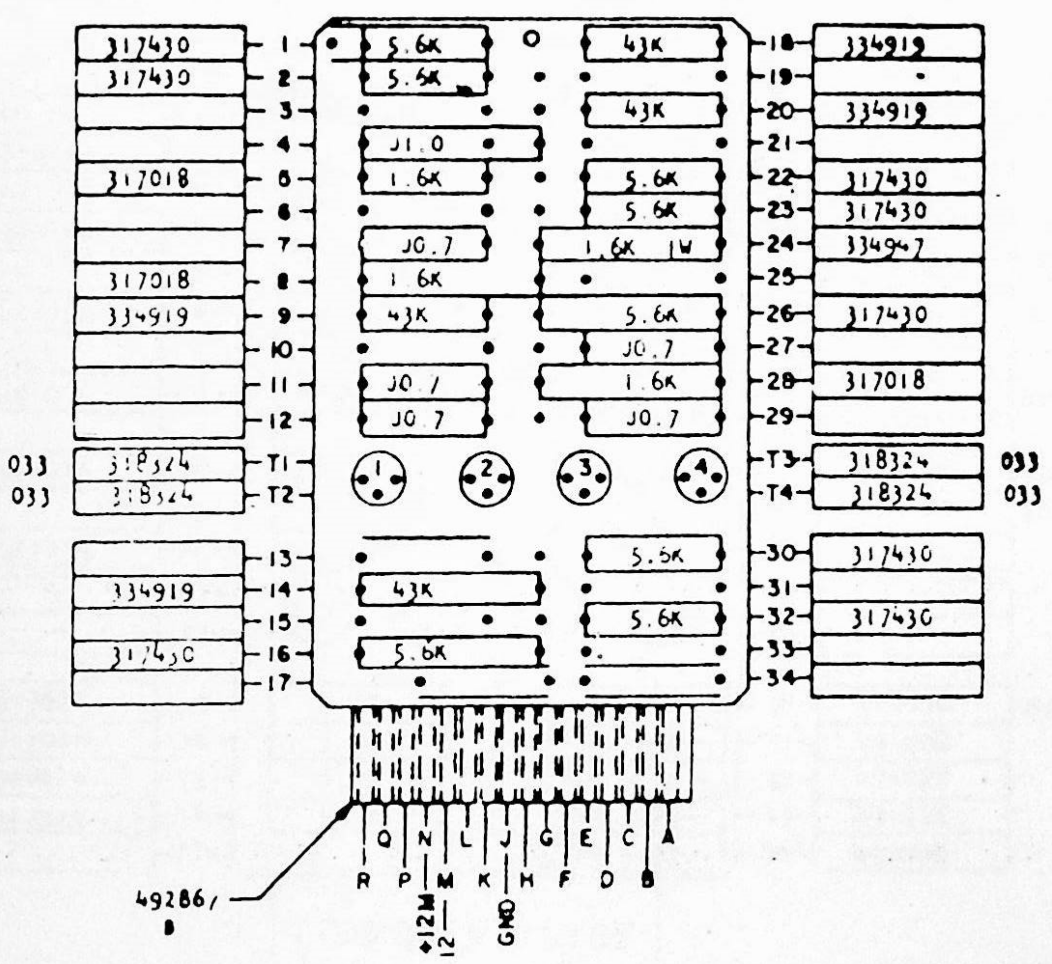
371497

371661
MX-1

371661

CTRL INVERTER "N" 2 WAY





NOTES
- I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891661
- II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 - 2093495 AND 2093496
- III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
- IIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

PATTERN 491329

USE WITH SPECIFICATION 8C10600

ITEM	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
CARD ASM TSTR CTRL -	12 10 60	EL 110150	23 5 62	EC 113942				
INVERTER "N" 2 WAY	24 2 61	JT 47013	20 9 62	J 82893				
[illegible]	25 1 62	JT 80876						

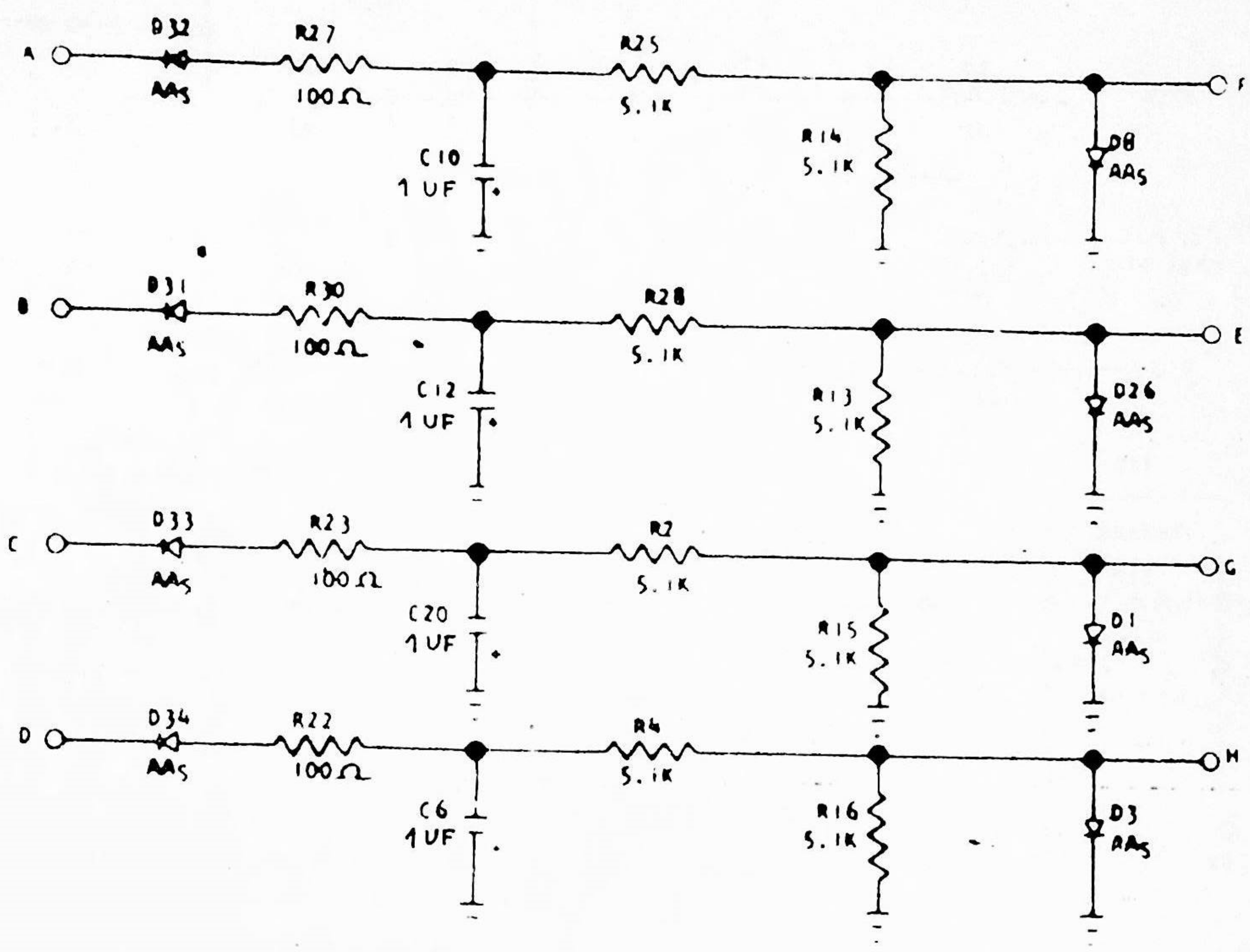
371661

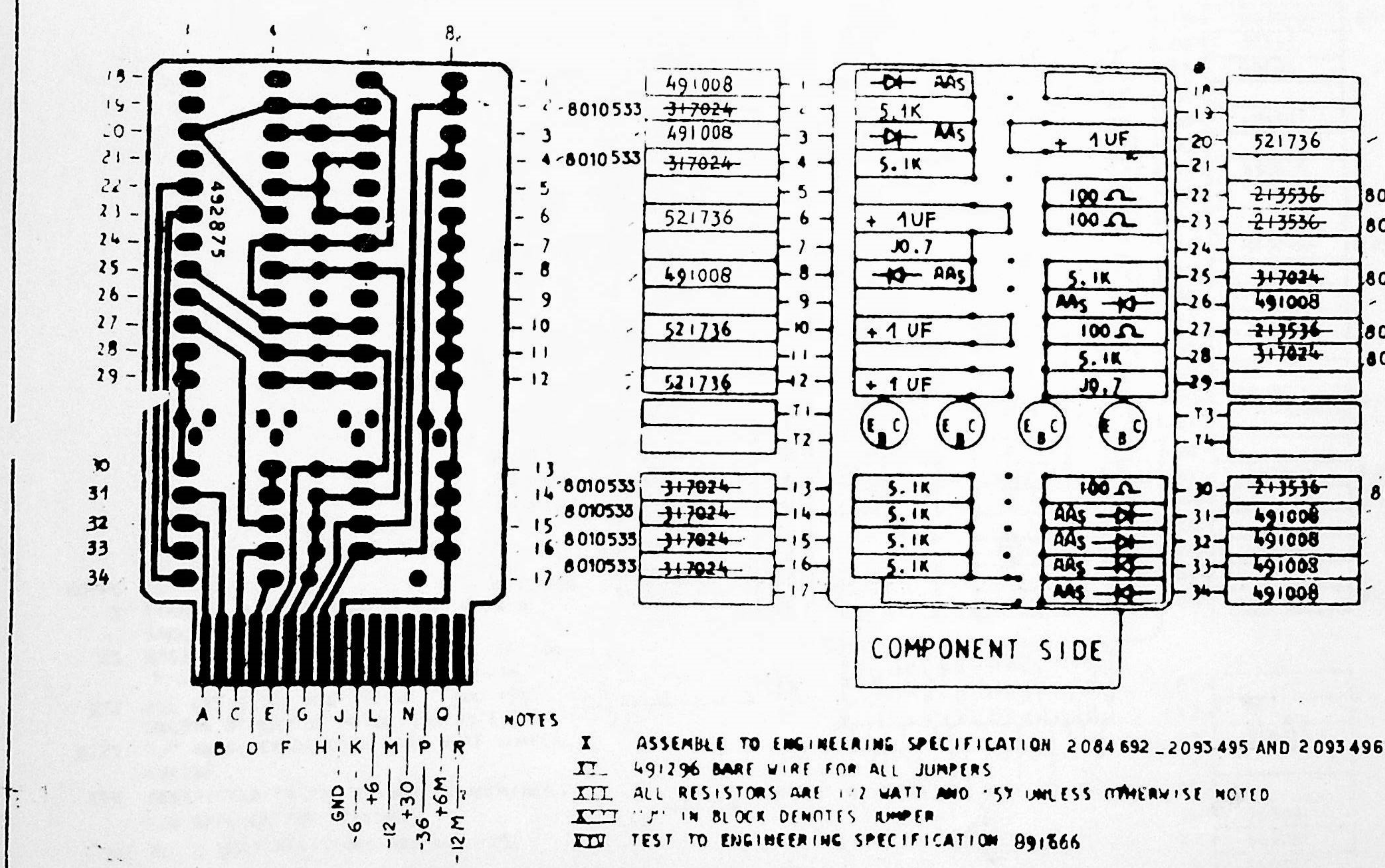
371 666

CODE NATURE 2.7045

371666

CTRL-INTEGRATOR, DIODE INPUT-NEG





NOTES

- I ASSEMBLE TO ENGINEERING SPECIFICATION 2084692_2093495 AND 2093496
- II 491296 BARE WIRE FOR ALL JUMPERS
- III ALL RESISTORS ARE 1/2 WATT AND 5% UNLESS OTHERWISE NOTED
- IV "J" IN BLOCK DENOTES JUMPER
- V TEST TO ENGINEERING SPECIFICATION 891666

WIRING SIDE

USE WITH SPECIFICATION 8010600

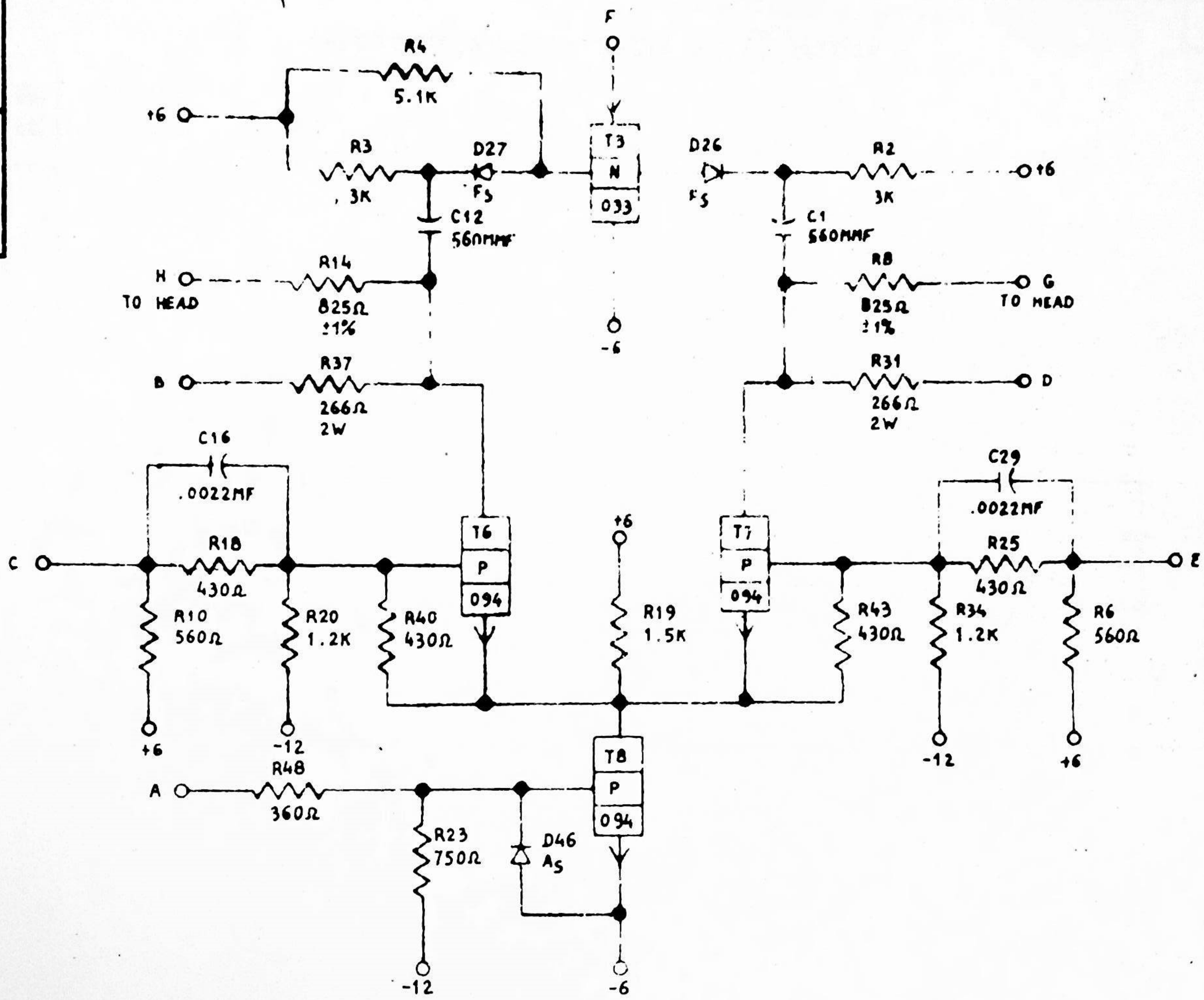
IBM		DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR_CTRL	17.8.59	EC 106788						
INTEGRATOR DIODE INPUT-NEG		7.4.61	JT 47015						
PROJET	TYPE SMS	24.2.60	EC 108350						
DESSIN	ECHEL								
VERIF		3.5.62	JT 81843						
APPR									

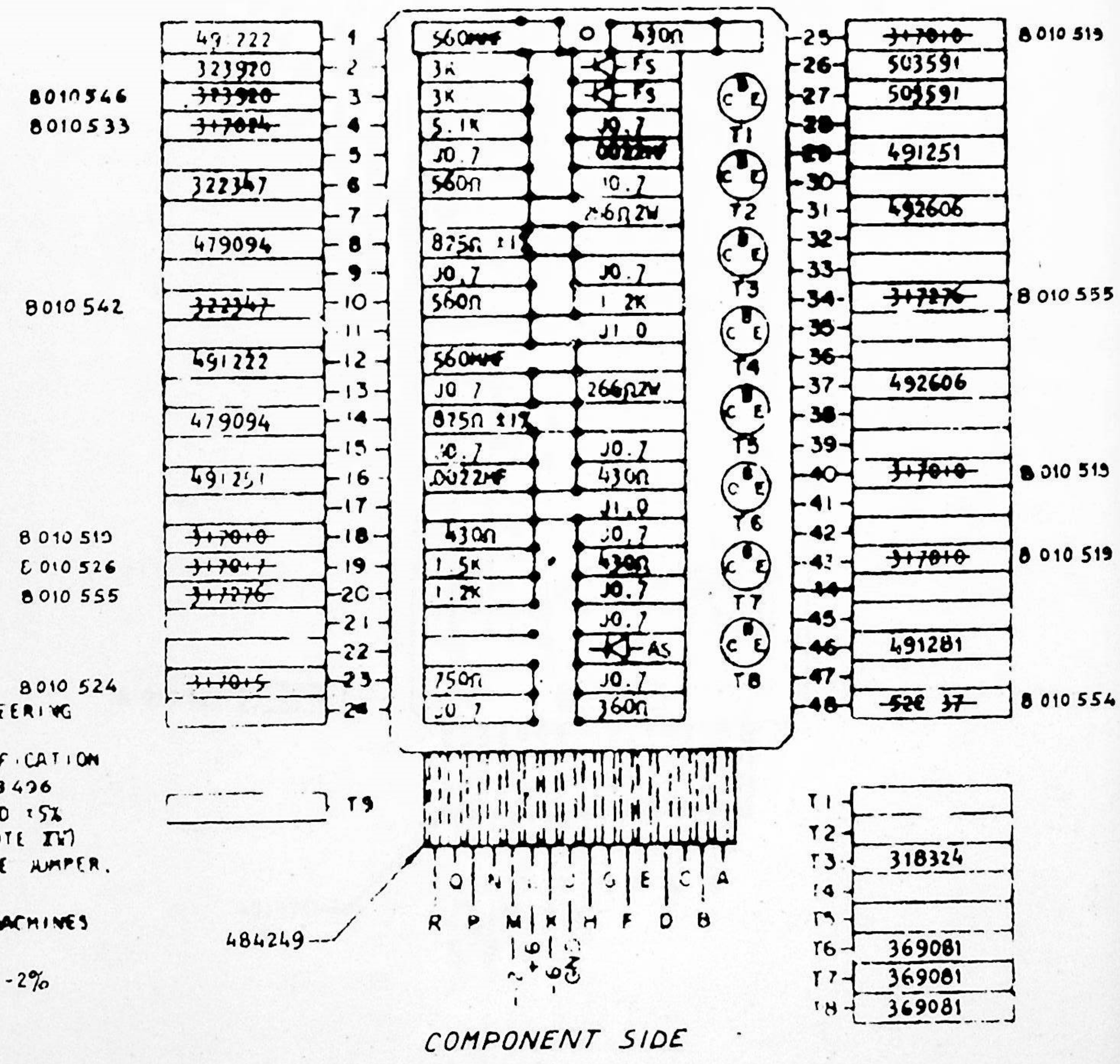
371 666

371674	LZ--
CODE NATURE	2.7045

371674

ALLOY-HEAD DRIVER AND ECHO PULSE AMPLIFIER





NOTES
- I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891674.
- II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 - 2093495 AND 2093496
- III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED (AS NOTE IV)
- IIII "J" IN BLOCK DENOTES BARE WIRE JUMPER, 491296
- IV RESTRICTED TO 729 II AND IV MACHINES FOR APPLICATION REASONS
- V ALL 2 WATT RESISTORS ARE +1% -2%

USE WITH SPECIFICATION 8010600

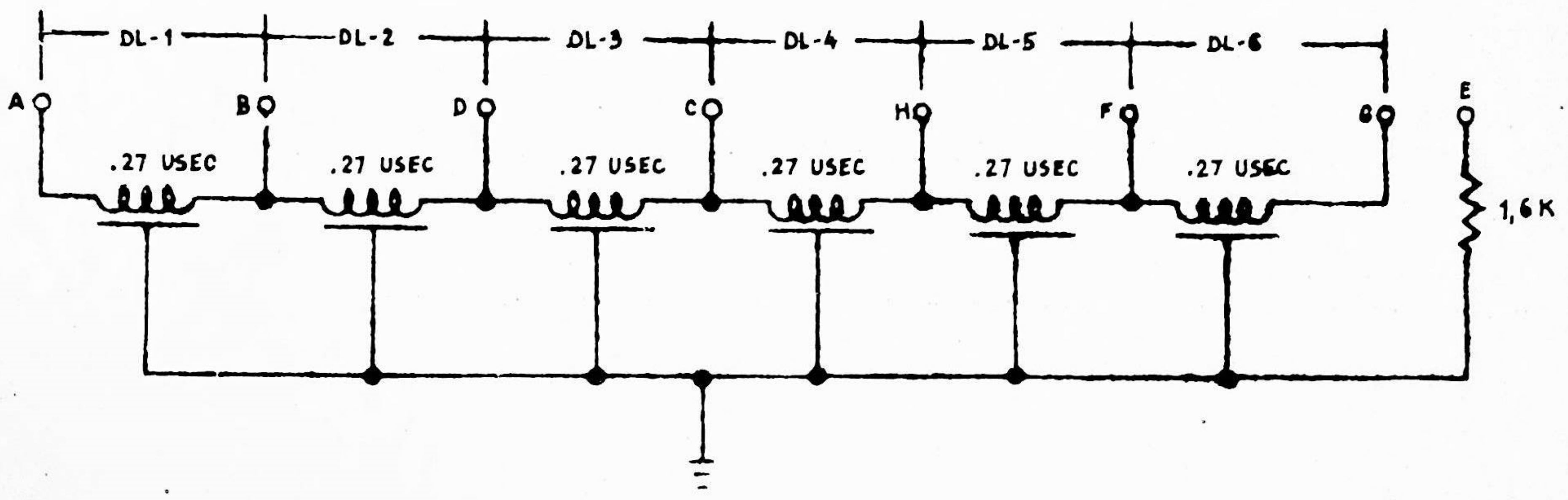
IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASS TSTR - ALLOY			18.12.59	EC 107934						
HD DR AND ECHO PULSE AMPLIFIER				19.9.60	JT 47001						
PROJET		TYPE	SMS	28.12.60	JT 47995						
DESSIN		ECHEL		9.2.61	EC 111225						
VERIF	4-7-61	CALQ									
APPR	4-7-61	VERIF	CLM 21.6.61	28.6.61	JT 48532						

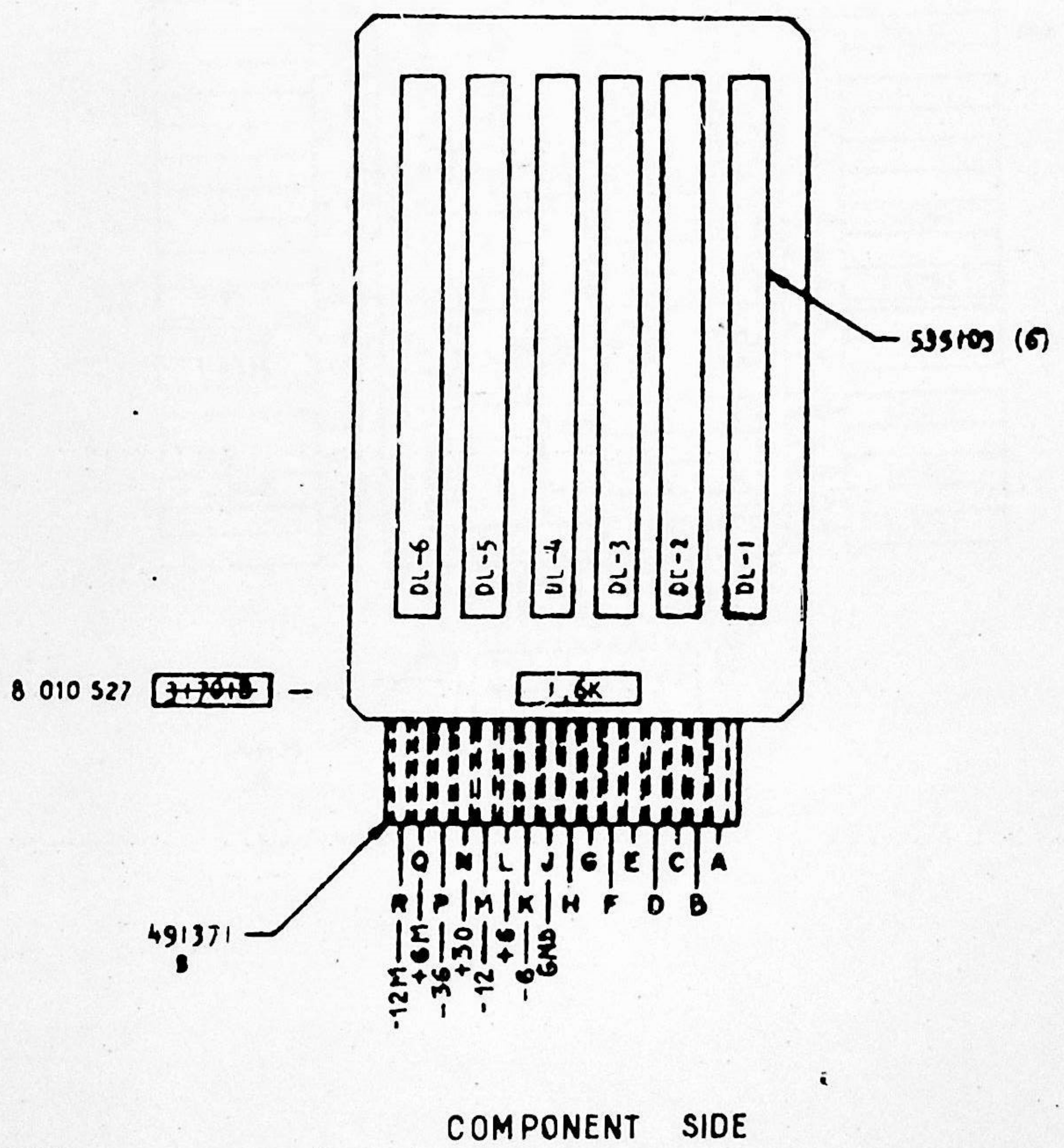
371674

CODE NATURE	371749 RP
2.7045	

371749

ALLOY-DELAY LINE DISTRIBUTED NUMBER





COMPONENT SIDE

NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891749

II ASSEMBLE TO ENGINEERING SPECIFICATIONS 2 084 692 _ 2 093 495 AND 2 093495

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

USE WITH SPECIFICATION 8 010 600

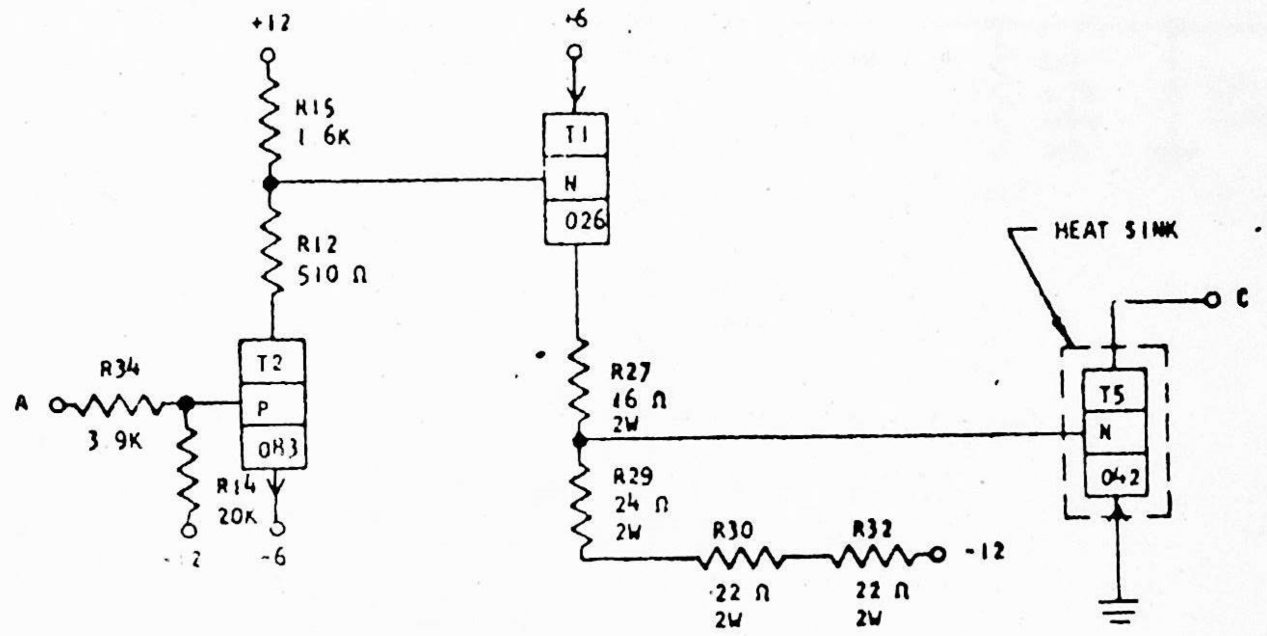
IBM					DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR-ALLOY DELAY LINE DISTRIBUTED NUMBER 2				30.11.59	EC 107826						
PROJET			TYPE	SMS	10.11.60	JT 47006						
DESSIN			ECHEL		28.9.60	FC 109919						
VERIF			CALQ	CLM 15.3.61	22.3.61	JT 47627						
APPR	BPL	30.3.61	VERIF	9% 30.3.61								

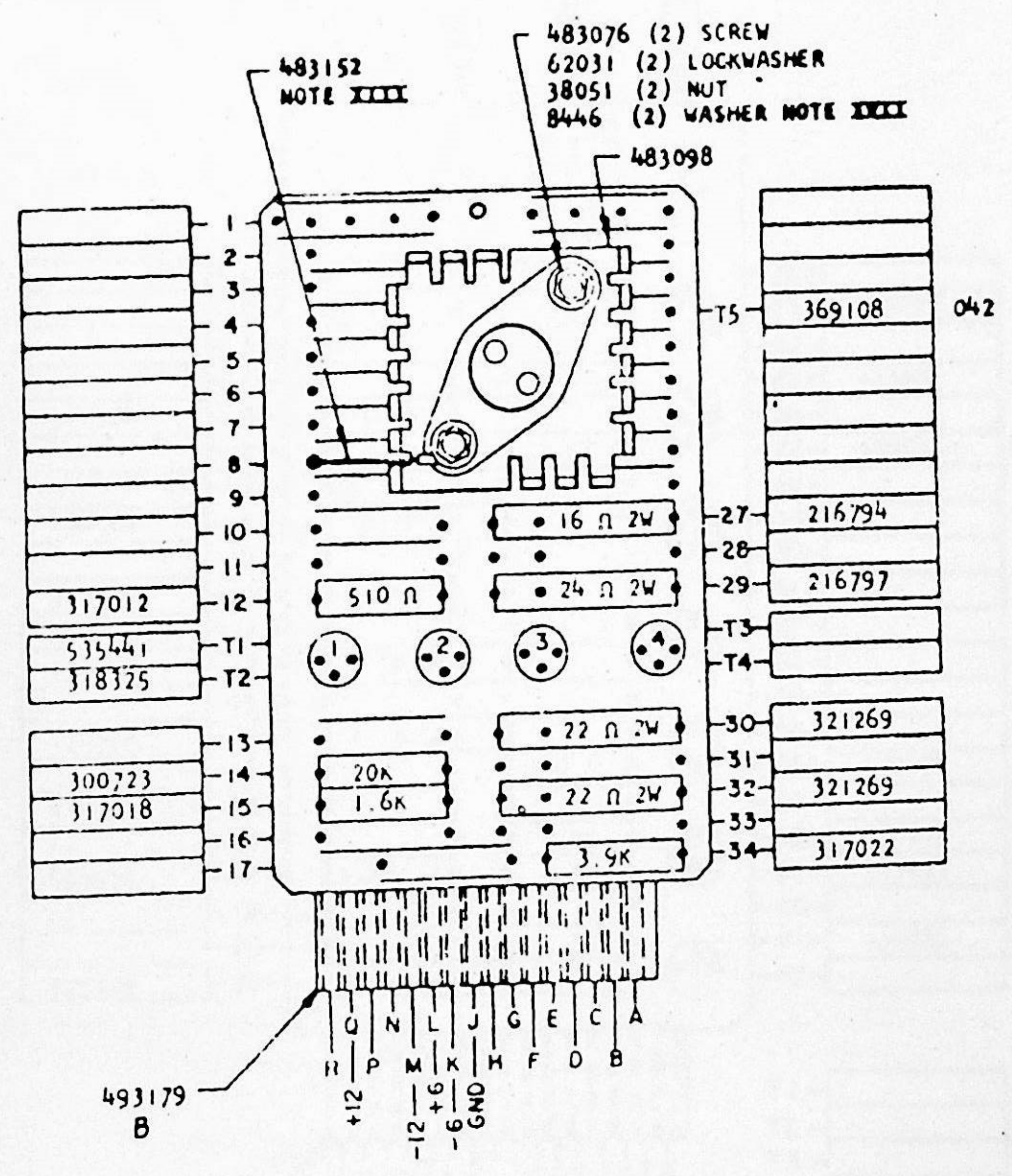
371749

371880	WB--
CODE NATURE	2.7045

ALLOY DRIVER RELAY 2.5 AMP

MOUNT CARD ON ONE INCH CENTERS NOTE XV





NOTES

- I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 891880
- II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692-2093495 AND 2093496
- XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
- XIII CASE IS ELECTRICALLY CONNECTED TO COLLECTOR, CONNECTION COMPLETED THROUGH JUMPER
- * XIV
- XV THE MAXIMUM HEIGHT THAT COMPONENTS MAY PROJECT ABOVE THE SURFACE OF THE CARD WILL BE .672 — 026, 083
- *XVI DO NOT CRIMP TRANSISTOR LEADS. SOLDER TO BOARD AFTER CLEANING.
- XVII WASHER 8446 TO BE PLACED BETWEEN HEAT SINK AND CARD SURFACE.

HOLE PATTERN 491329

USE WITH SPECIFICATION 8010600

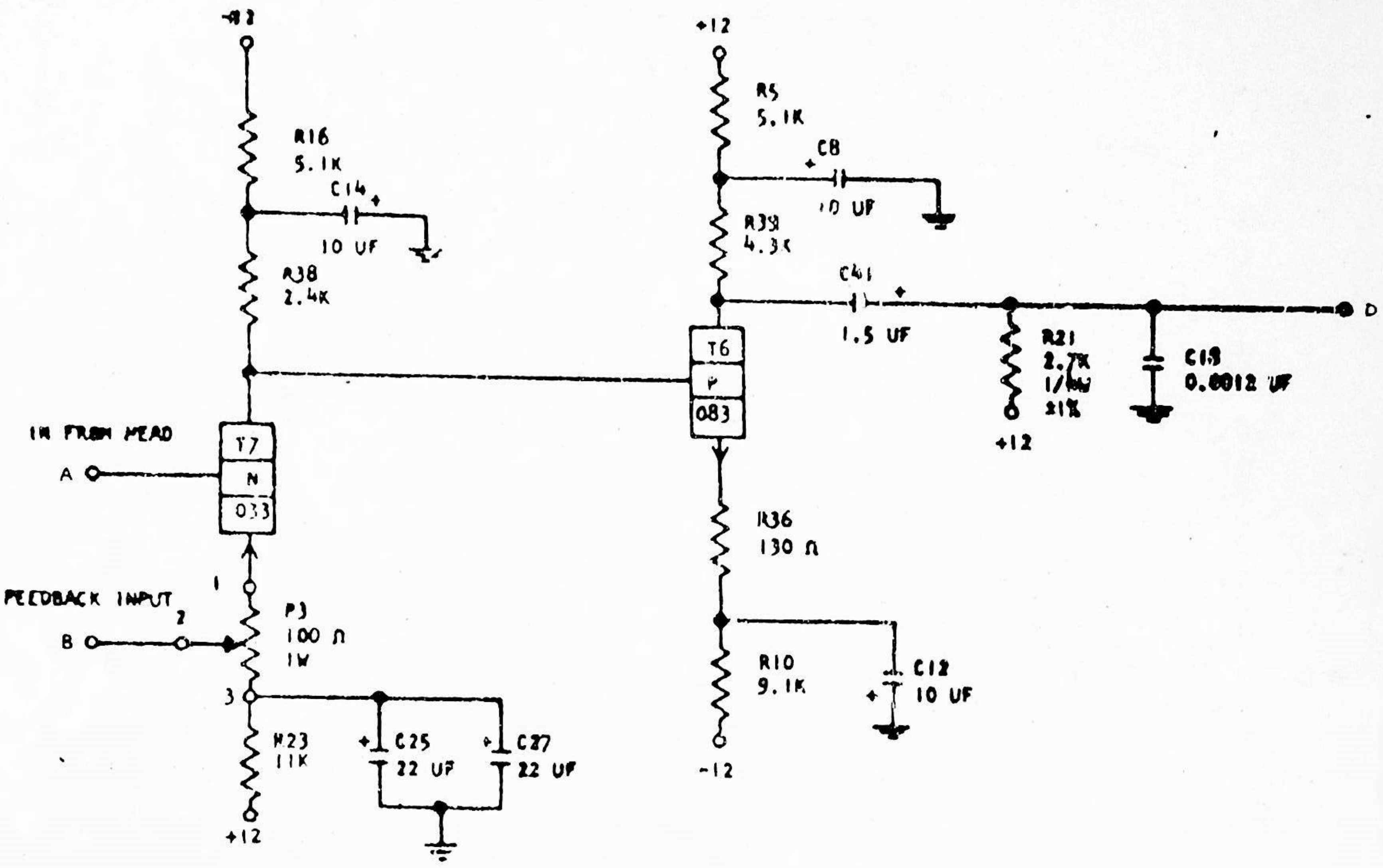
IBM					DATE	CHANC N°	DATE	CHANC N°	DATE	CHANC N°	DATE	CHANC N°
NOM	CARD ASM TSTR - ALLOY- DRIVER RELAY 2,5 AMP				30.8.60	EC 108999	28.3-62	JT 81888	20-2-63	EC 116128		
					7.4.61	JT 47015	22-5-62	JT 81849	13.5.63	JT 83748		
PROJET			TYPE	SMS	21.6.61	EC.111824	25.4.62	EC 113674	24.2.64	EC: 119304		
DESSIN	TF..	G-9 ..2	ECHEL		18.10.61	JT 48842	20.9.62	JT 82895	17.8.64	JT 85974		
VERIF			CALQ		29.1-62	JT 80876						
APPR			VERIF									

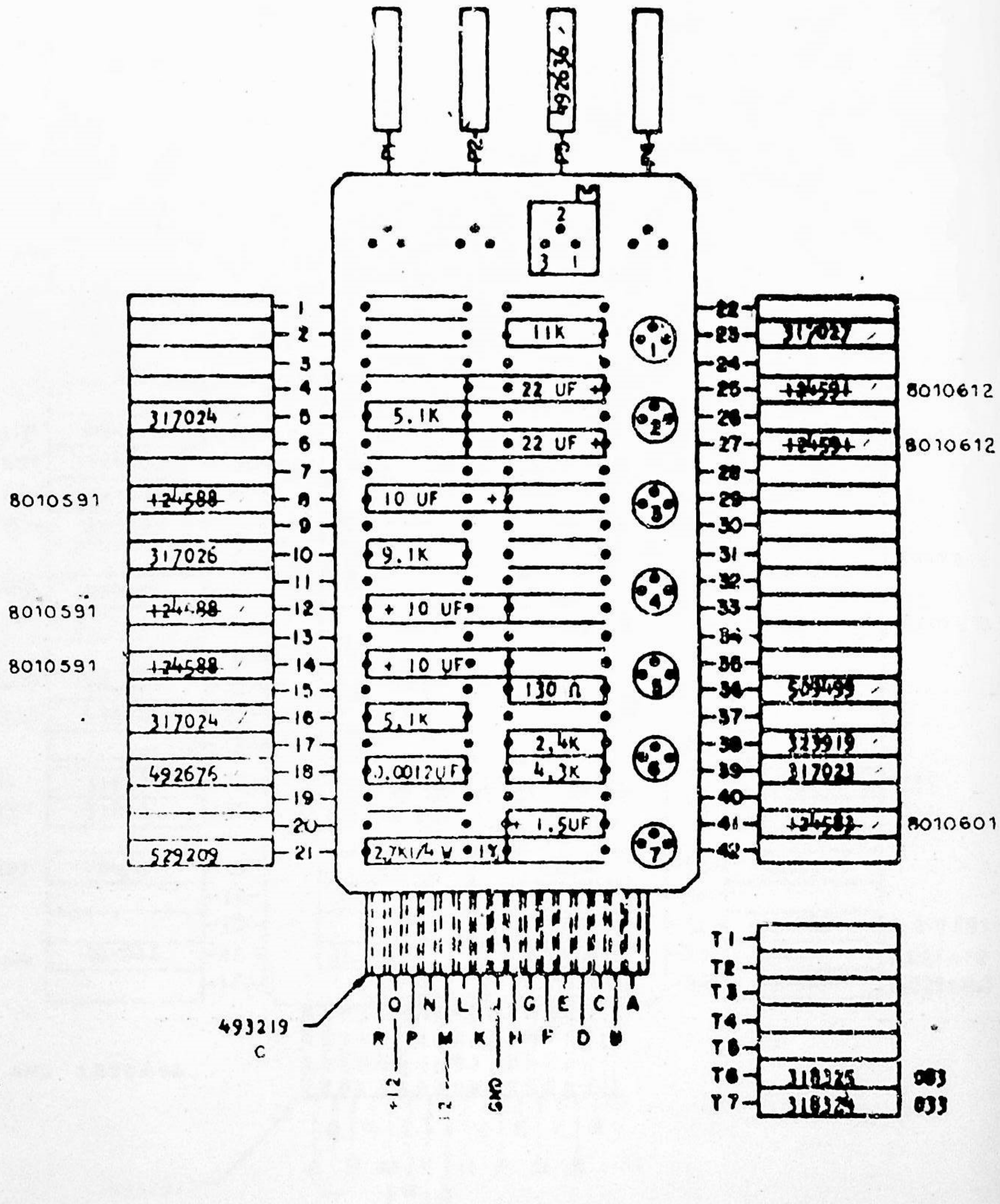
371925

A F A

CODE NATURE 2.734S

ALLOY-PRE AMP NO 1, MAGNETIC TAPE





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 2093495 AND 2093496

XI ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII POTENTIOMETER 492636 MUST NOT BE SUBJECTED TO ANY LIQUIDS

HOLE PATTERN 493474

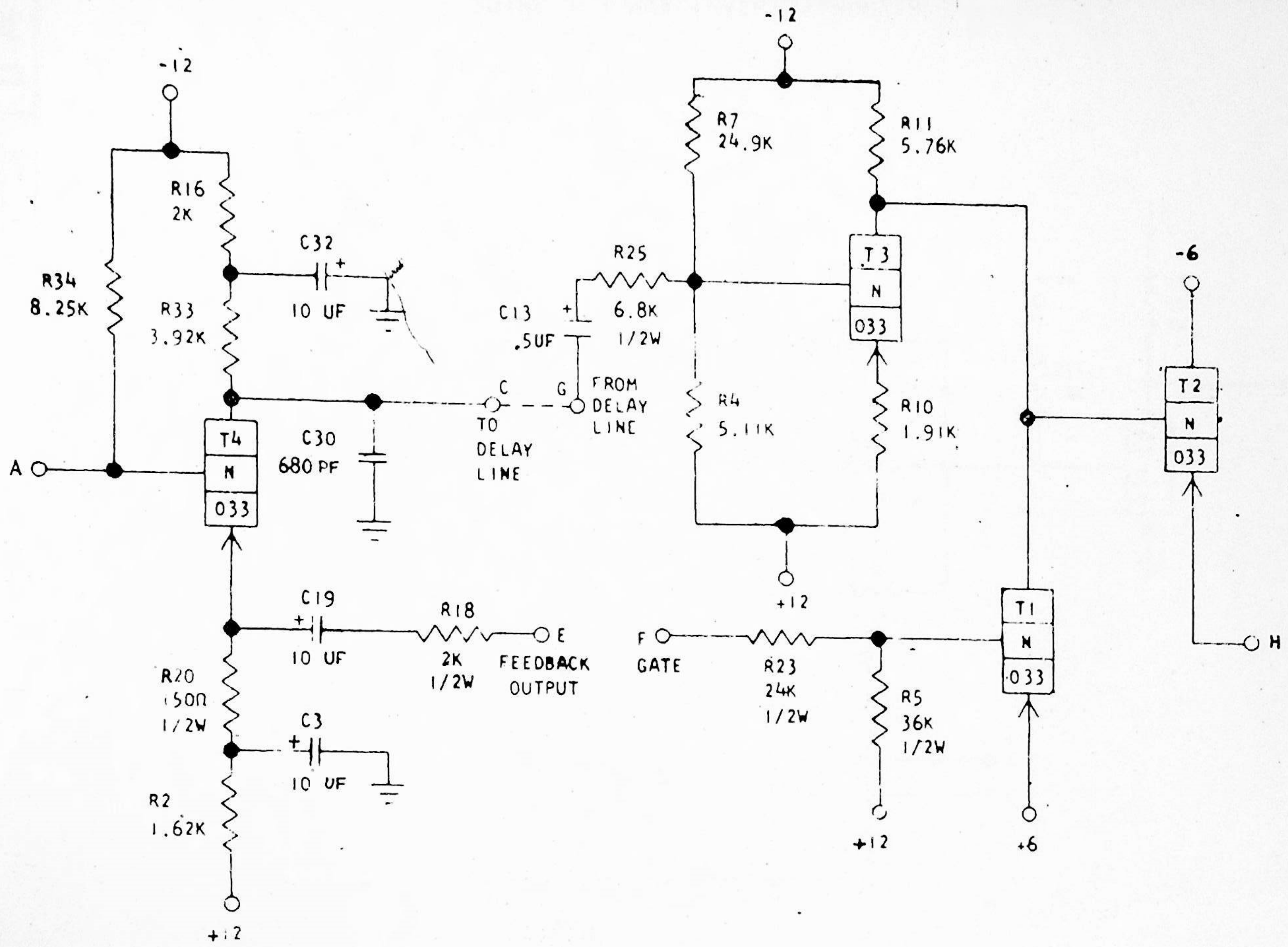
USE WITH SPECIFICATION 8019600

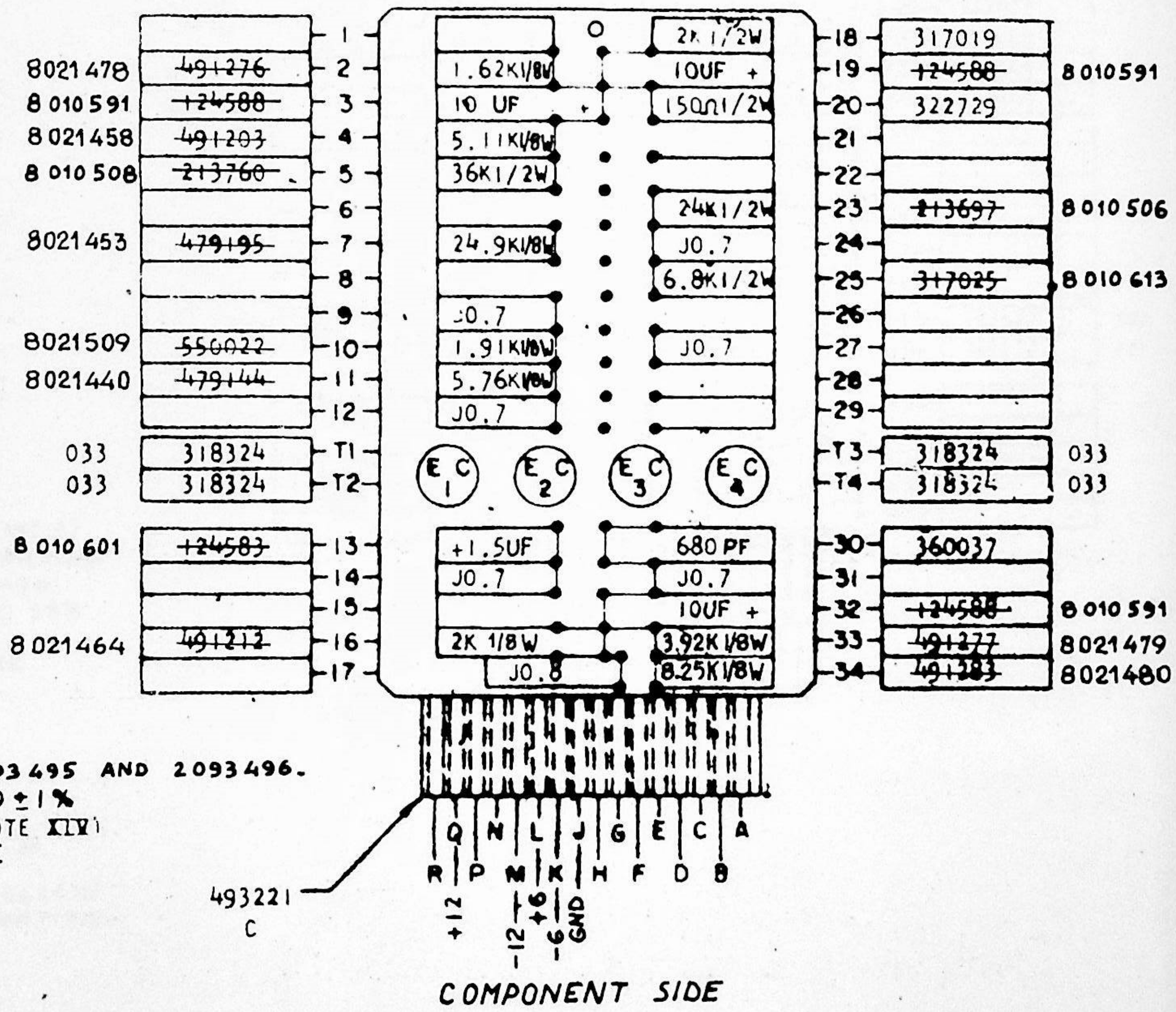
IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY			22 2 60	EC 108355	1 11 61	EC 112432				
PREAMP NO 1, MAGNETIC TAPE				9 12 60	JT 47009	14-3-62	JT 80889				
PROJET		TYPE	SMS	23 3 61	EC 111378	6 8 62	EC 114712				
DESSIN.	N Rco 3 11 62	ECHEL		22 6 61	JT 48930	27 [illegible]	JT 82868				
VERIF.		CALQ.									
APPR		VER									

371925

371926	ABK-
CODE NATURE	2.7045

ALLOY - PRE AMP NO. 2 MAGNETIC TAPE





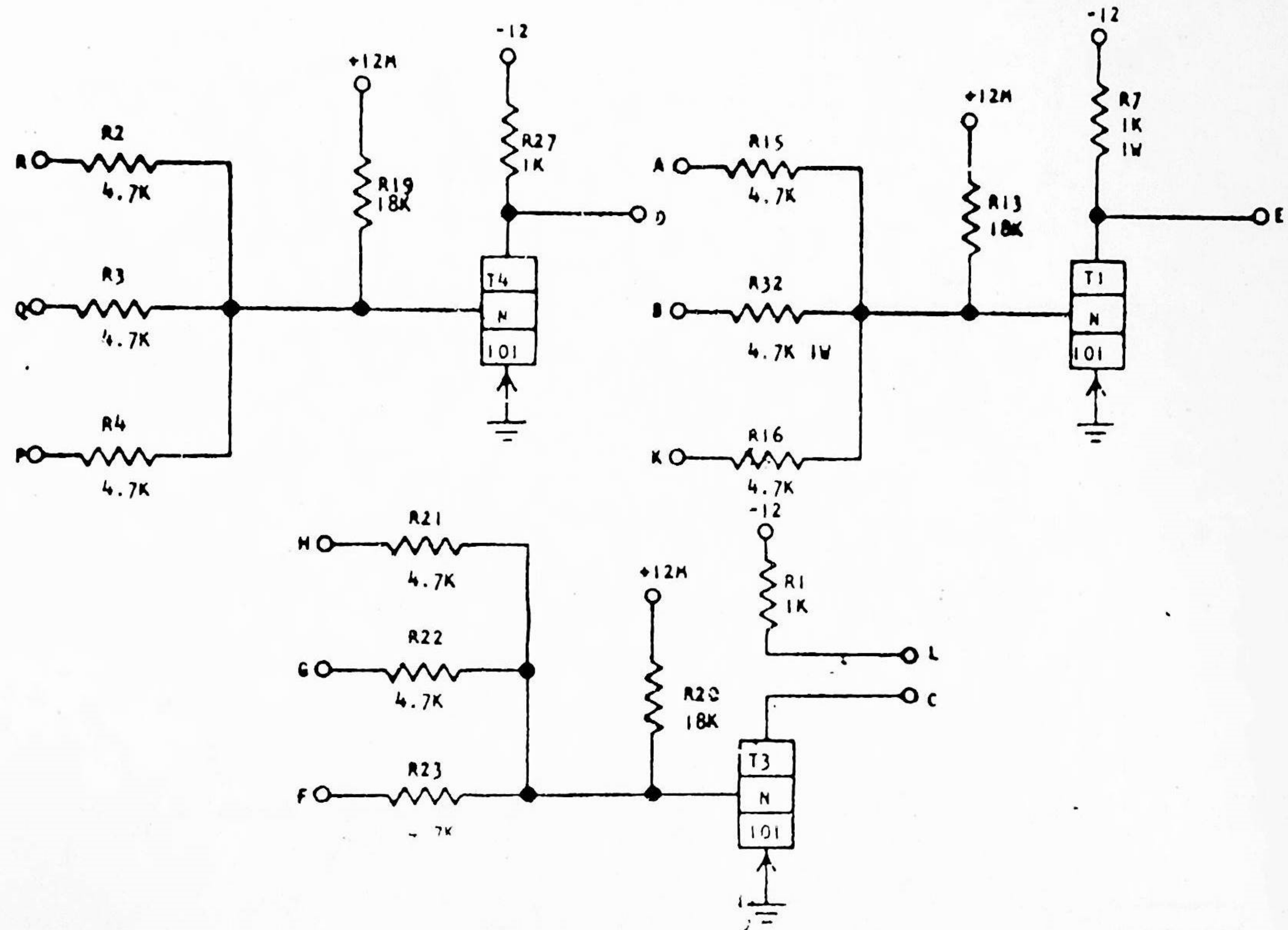
NOTES:

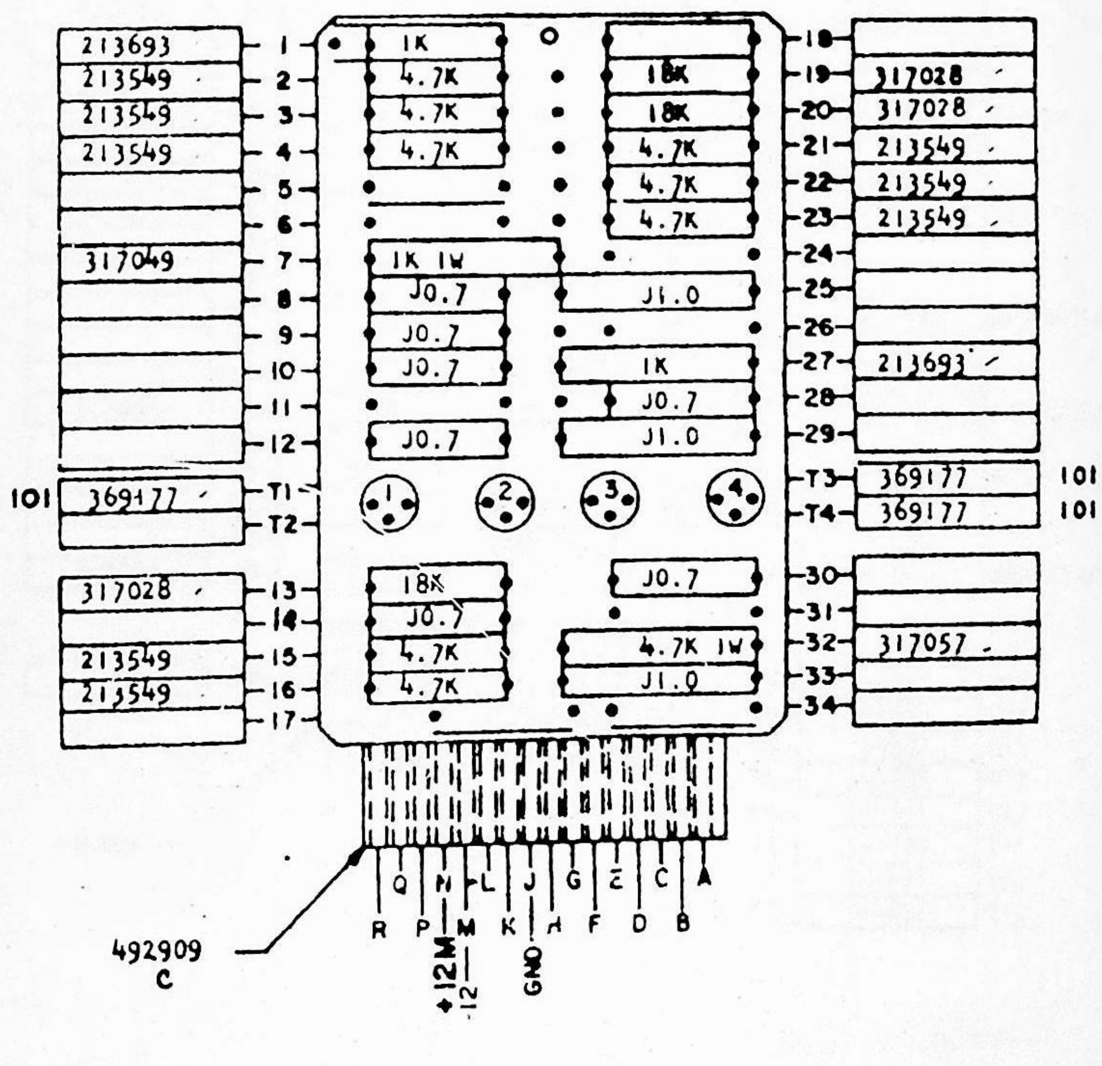
- X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION
- XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 _ 2093495 AND 2093496.
- XII ALL RESISTORS ARE 1/8 WATT AND ±1% UNLESS OTHERWISE NOTED (AS NOTE XIV)
- XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER, 491296
- XIV ALL 1/2 WATT RESISTORS ARE ±5%

USE WITH SPECIFICATION 8010600

IBM -				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR - ALLOY			3.3.60	EC 108533						
	PRE AMP NO 2 MAG TAPE			19.9.60	JT 47001						
PROJET		TYPE	SMS	21.2.61	EC 111085						
DESSIN		ECHEL		20-6-61	JT 48929						
VERIF		CALQ		20.11.61	JT80851						
APPR		VERIF	GM 13-6-61								

SDTRL - 3 WAY INVERTER NUMBER 2





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892367

II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692-2093495 AND 2093496

III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

XIV

XV POSITIONS T1, T3, T4 ARE TO-18 TRANSISTORS AND MAY BE MOUNTED IN .100 OR .200 PIN CIRCLE HOLES. USE TRANSISTOR SPACER 483070 FOR .200 PIN CIRCLE MOUNTING.

HOLE PATTERN 491529

USE WITH SPECIFICATION 8010600

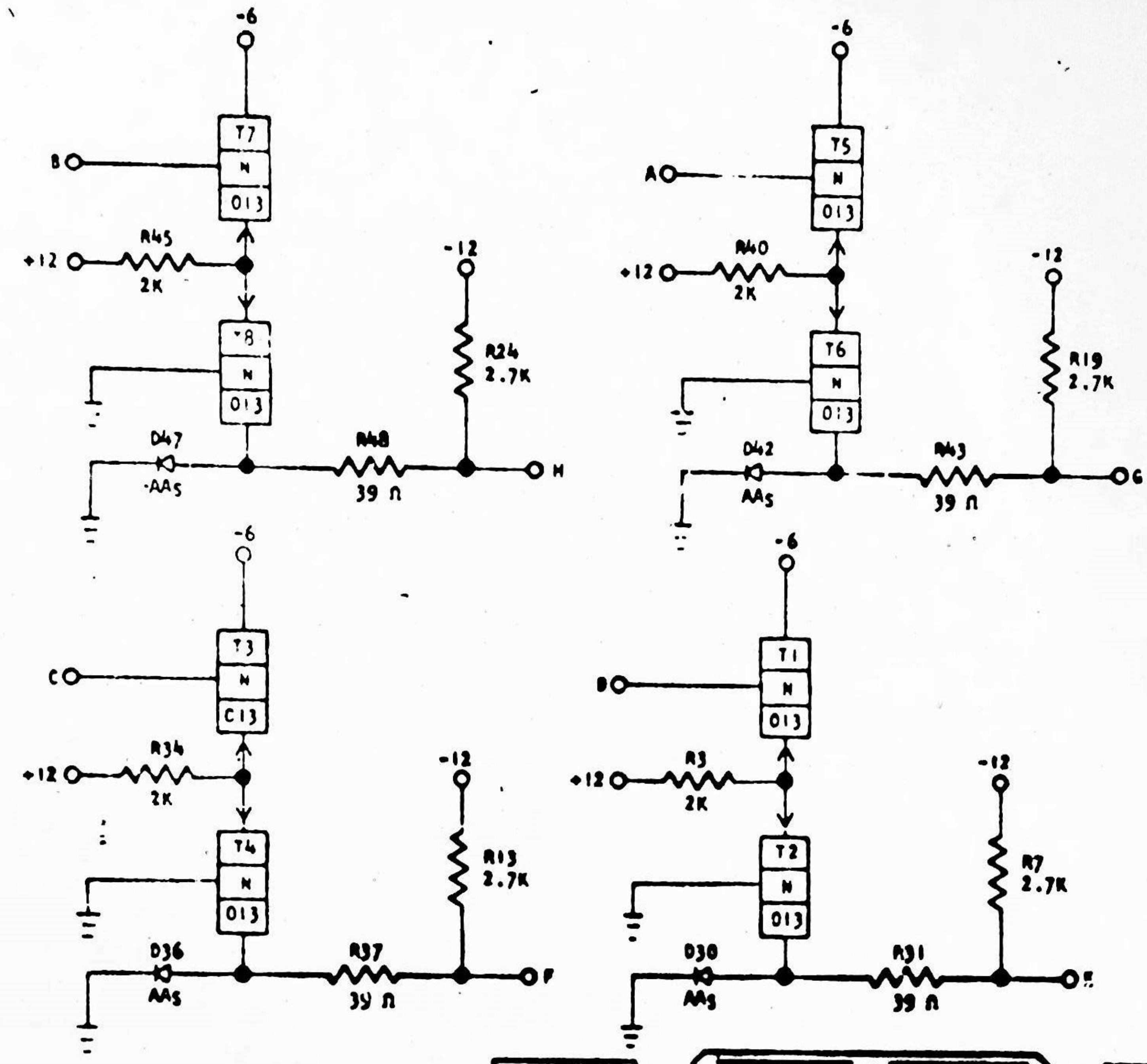
IBM					DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR-SDTRL-3				21.6.60	EC 108572	23.5.62	EC 113942				
WAY INVERTER NUMBER 2					24.2.61	JT 47013	20-9-62	JT 82893				
PROJET			TYPE	SMS	25.5.61	EC 112019	11-9-62	EC 113620				
DESSIN	TECO	4.9.62	ECHEL		21-8-61	JT 48833	27 NOV 1962	JT 82869				
VERIF.			CALQ									
APPR			VERIF									

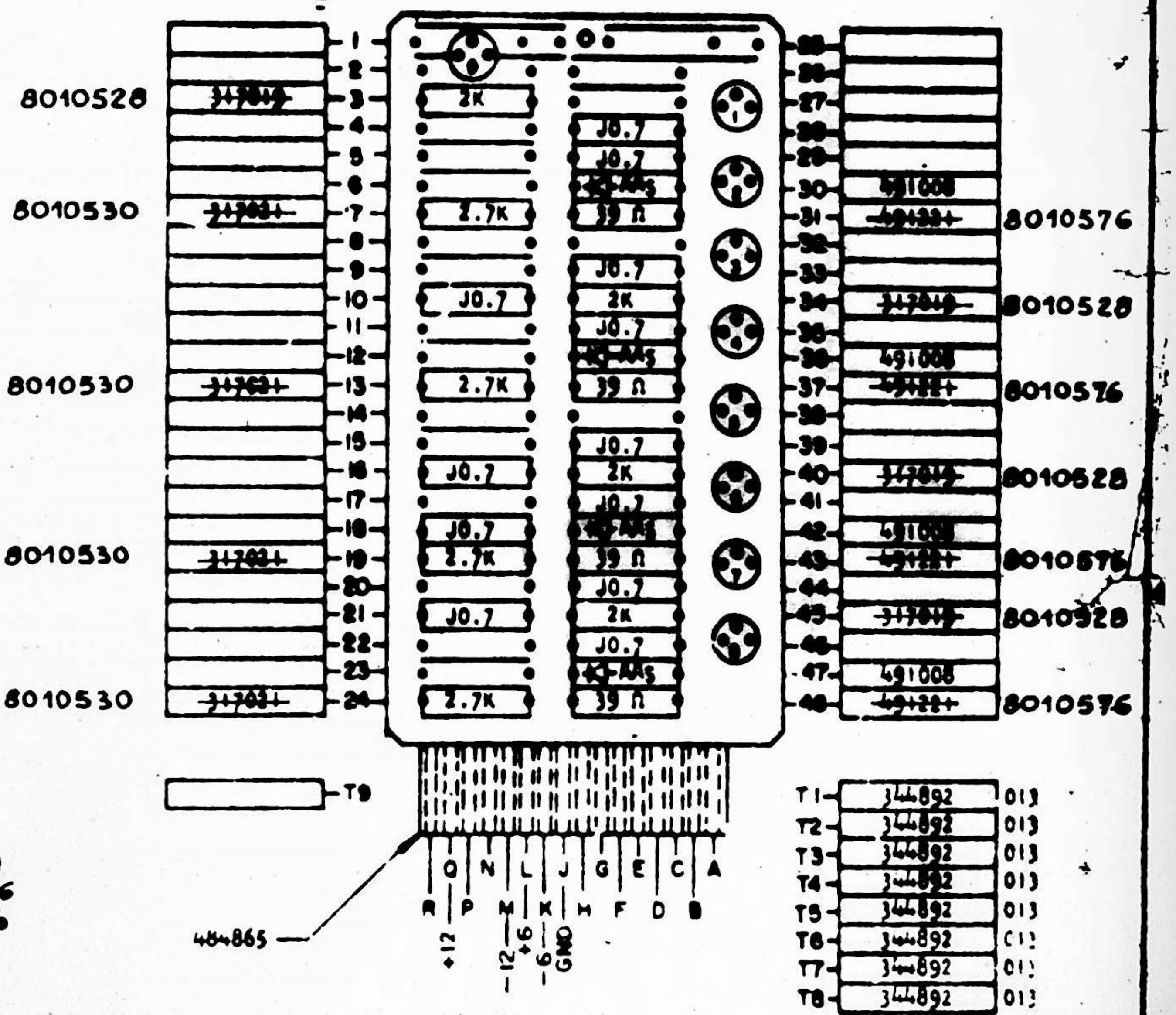
372160 AUC

CODE NATURE 2.7045

ALLOY-CONVERTER (N LINE TO S LINE)

372160





NOTES
I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892639
II ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 . 2093485 AND 2093496
III ALL RESISTORS ARE 1/2 WATT AND ± 5% UNLESS OTHERWISE NOTED
IIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296

HOLE PATTERN
493457

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR ALLOY			22.1.62	EC 113886						
CONVERTER (N LINE TO S LINE)					JT 80896						
PROJET		TYPE	SMS								
DESSIN	DJe 14-3-62	ECHEL									
VERIF		CALQ									
APPR		VERIF									

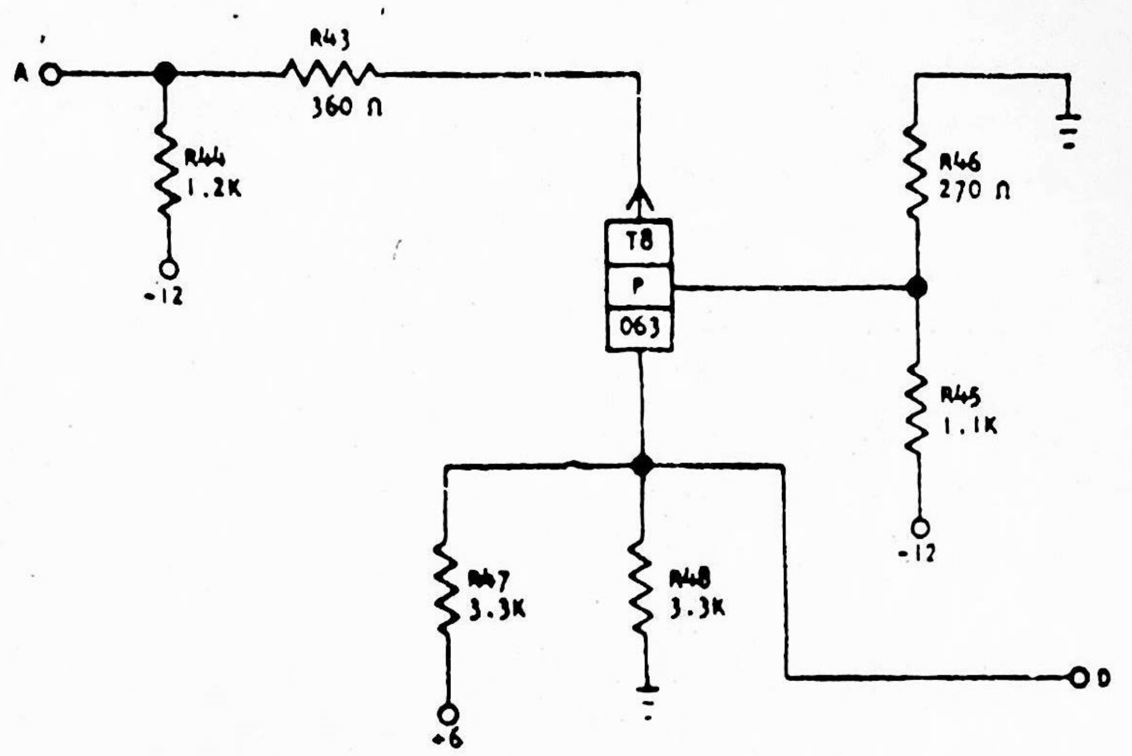
372160

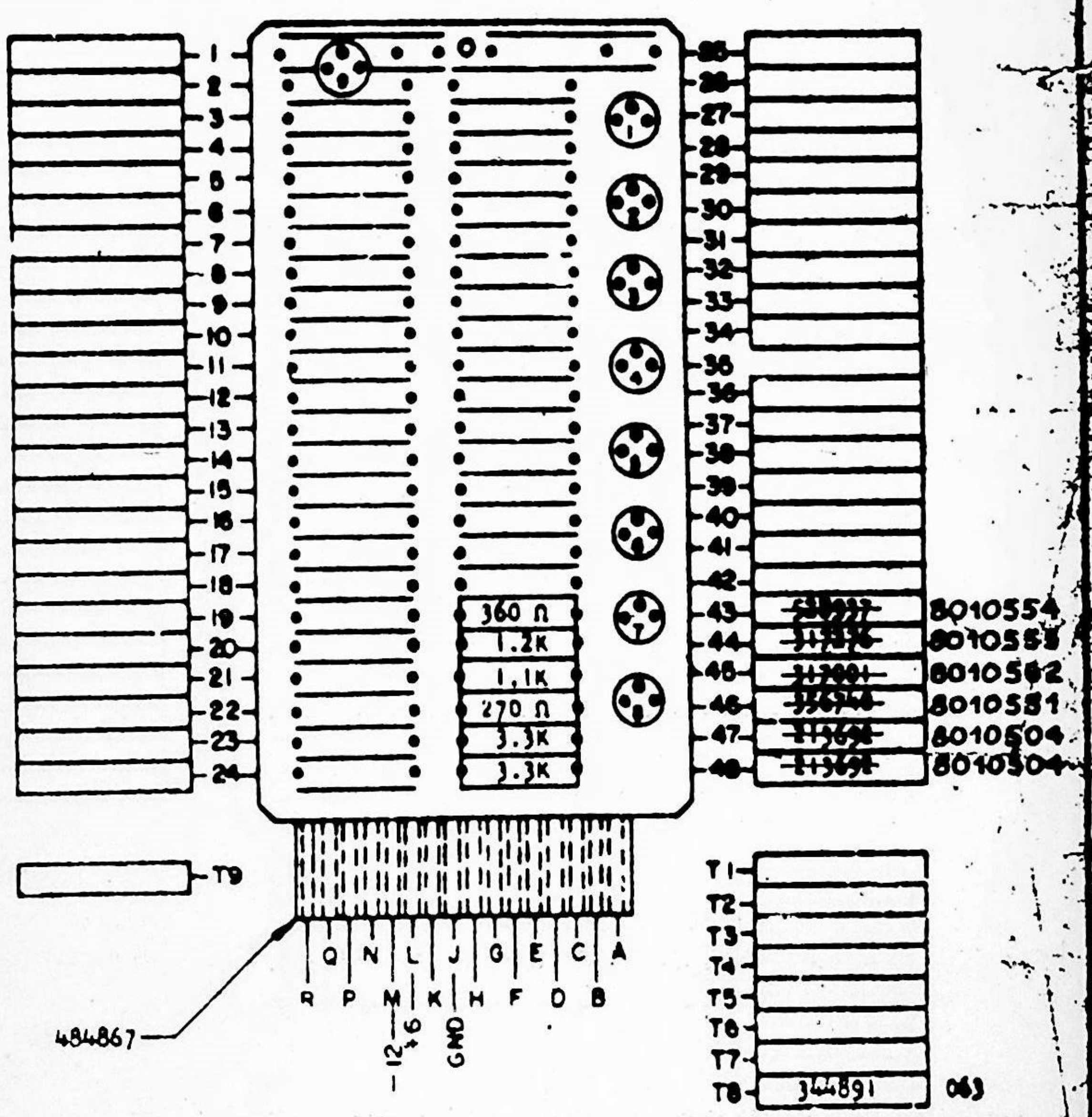
372161 AUD

CODE NATURE 2.7045

372161

ALLOY-CONVERTER (S TO N LINE).





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 892641

XI ASSEMBLE TO ENGINEERING SPECIFICAT 2084692 . 2093495 AND 2093496

XII ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED

HOLE PATTERN 493457

USE WITH SPECIFICATION 8010600

IBM			DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD. ASM TSTR ALLOY		22.1.62	EC 113886						
CONVERTER (S TO N LINE)			-	JT 80896						
PROJET		TYPE SMS								
DESSIN	DJe 14-3-62	ECHEL								
VERIF		CALQ								
APPR		VERIF								

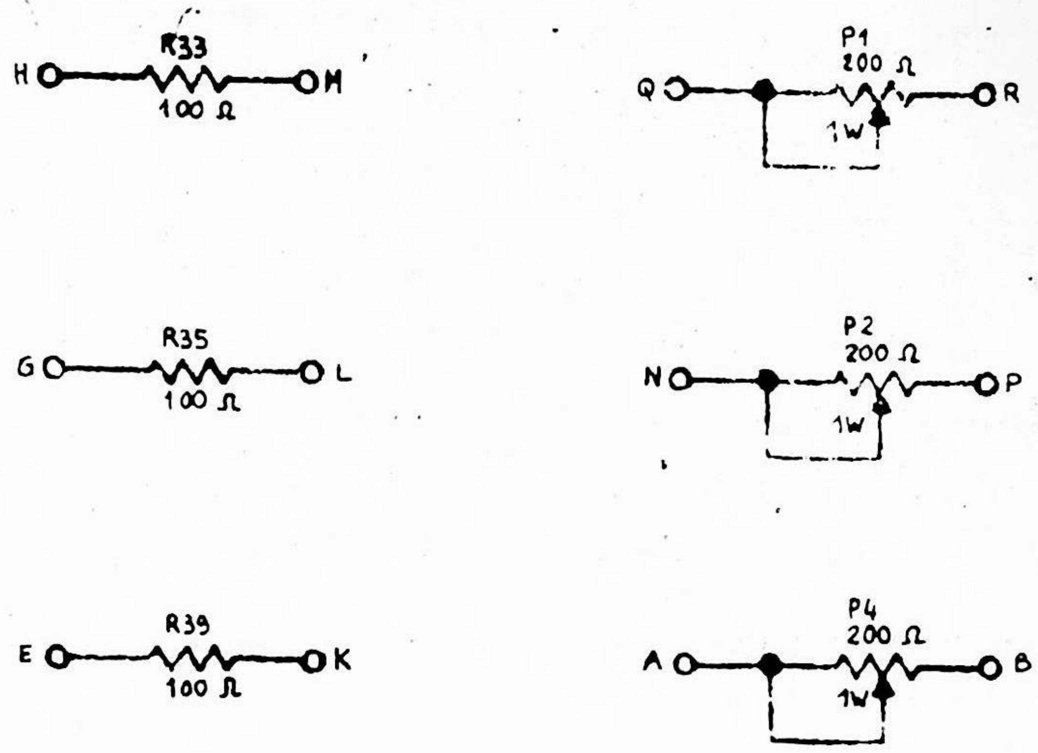
372161

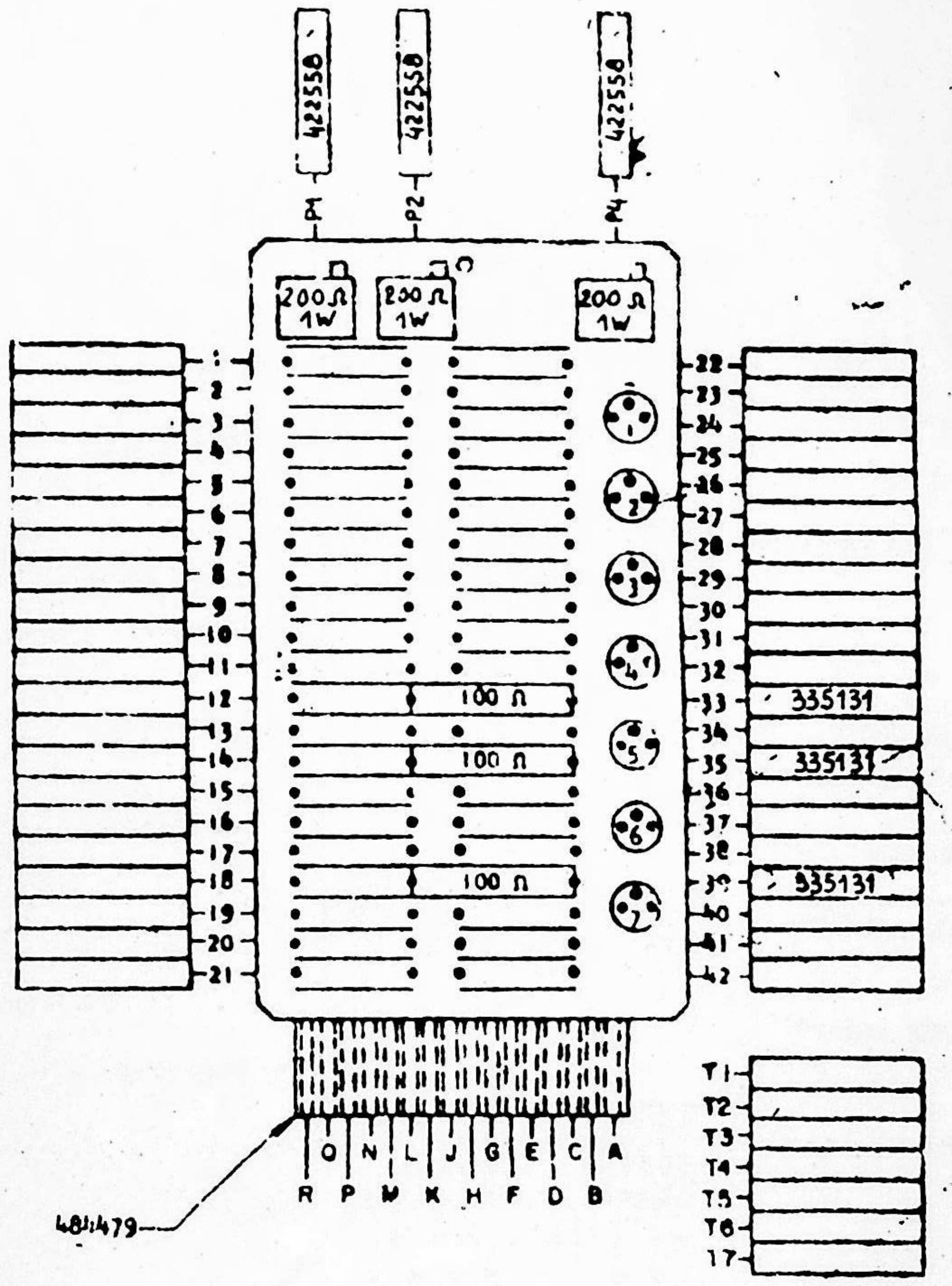
372266 AUS

CODE NATURE 217045

WRITE CURRENT BALANCE-2

372266





NOTES

XI ASSEMBLE TO ENGINEERING SPECIFICATION 2084692. 2093495 AND 2093496

XII ALL RESISTORS ARE 1 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII POTENTIOMETER PART NUMBER 422558 MUST NOT BE SUBJECTED TO ANY LIQUID.

HOLE PATTERN
493474

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR WRITE CURRENT BALANCE - 2			26.4.62	EC 113936						
				13-6-62	JT 81835						
PROJET		TYPE	SMS								
DESSIN	11-6-62	ECHEL									
VERIF		CALQ									
APPR		VERIF									

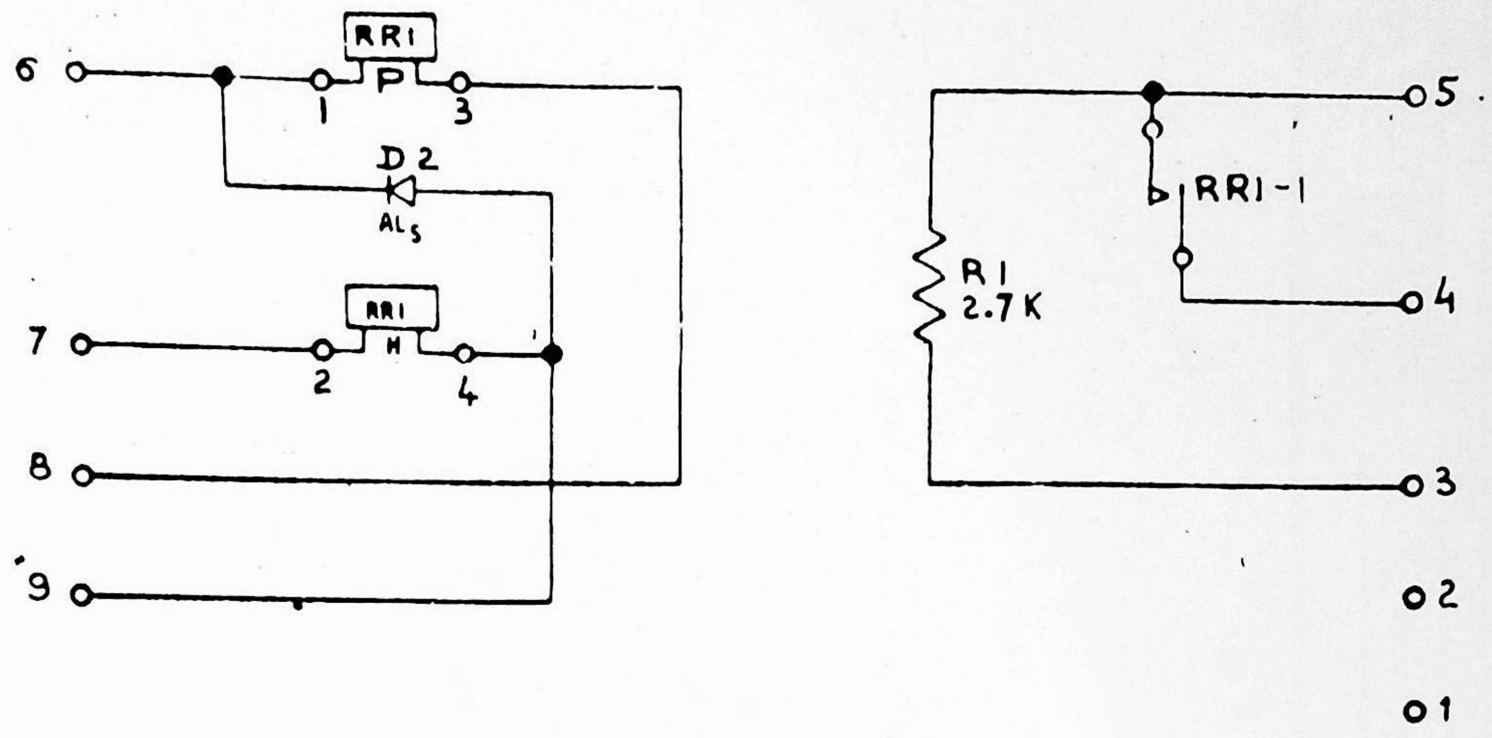
372688

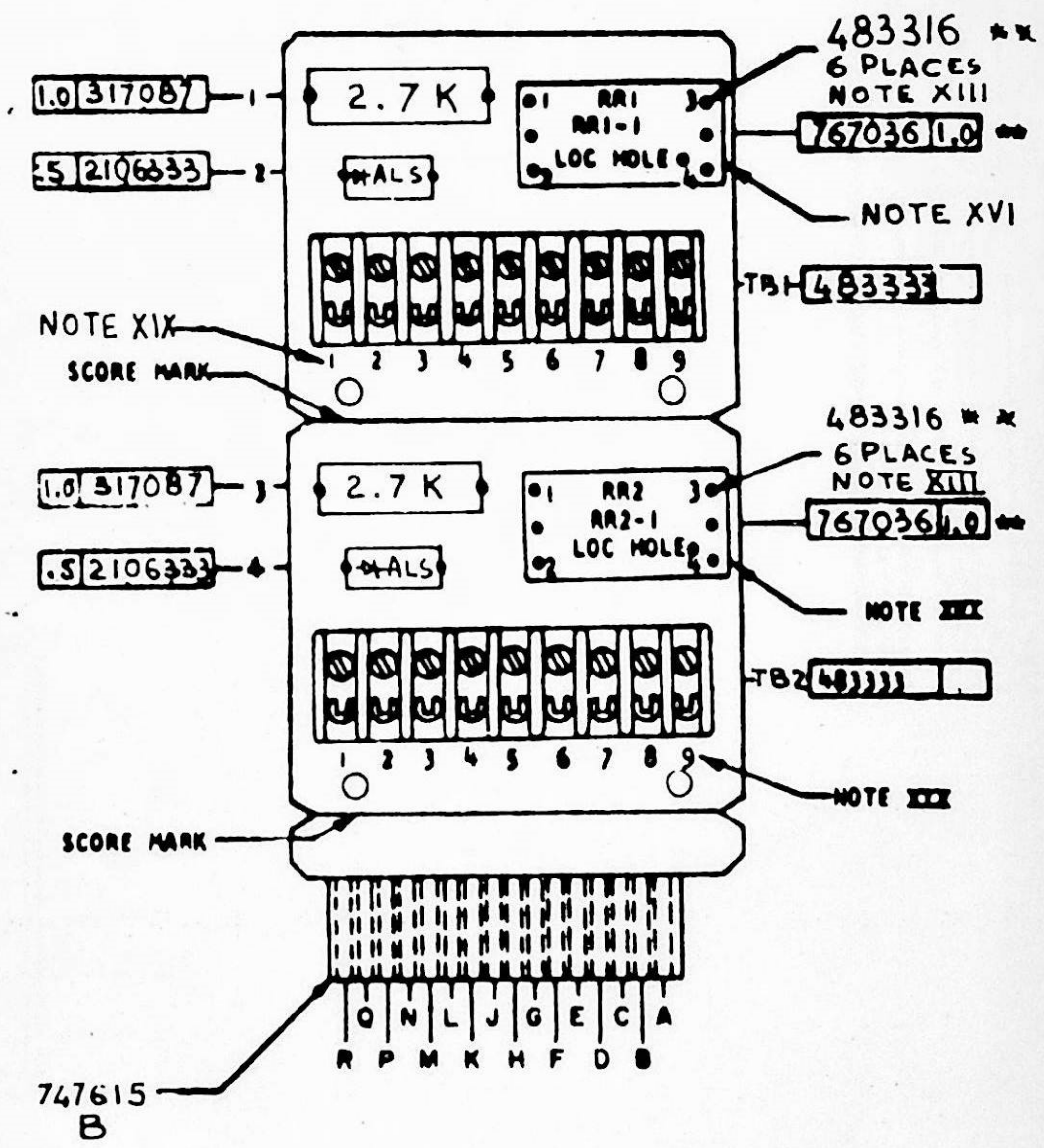
CODE NATURE 2.7045

372688

METER CARD

RESTRICTED
NOTE XVII





NOTES

I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 870688

II ASSEMBLE TO ENGINEERING SPECIFICATION 892058, 2084692 - 2093495 and 2093496

III ALL RESISTORS ARE 2 WATT AND ±5% UNLESS OTHERWISE NOTED

XIII SLOT IN LUG 483316 MUST BE PARALLEL TO Y-Y AXIS

XV THIS CARD CONTAINS TWO ASSEMBLIES OF THE CIRCUIT SHOWN

XX TAB AREA IS REQUIRED AT ASSEMBLY, FOR MANUFACTURING PURPOSES ONLY. ASSEMBLY IS TO BE BROKEN AT SCORE-MARKS PRIOR TO STOCKING

XVI DO NOT SUBJECT REED ASSEMBLY TO LIQUIDS

**XVII TECHNICAL LABORATORY EVALUATION INCOMPLETE ADDITIONAL USAGE TO BE AVOIDED. THIS PART SUBJECT TO WITHDRAWAL.

XVIII STANDARD TRANSISTOR EMBOSS, CENTERED ON GRID CO-ORDINATES 0737, 0726, 0763, 0774, 4526, 4537, 4563, AND 4574.

XIX NUMBERS TO BE MARKED PERMANENTLY AND LEGIBL' AS SHOWN IN COMPONENT VIEW TO IDENTIFY TERMINAL POSITIONS. NUMBERS TO BE NO LESS THAN .094 HIGH.

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	CARD ASM TSTR			20.9.63	EC 118931						
				13.12.63	JT 84659						
PROJET		TYPE	SMS								
DESSIN	VDB 4.12.63	ECHEL.	—								
VERIF.		CALQ.									
APPR.		VERIF.									

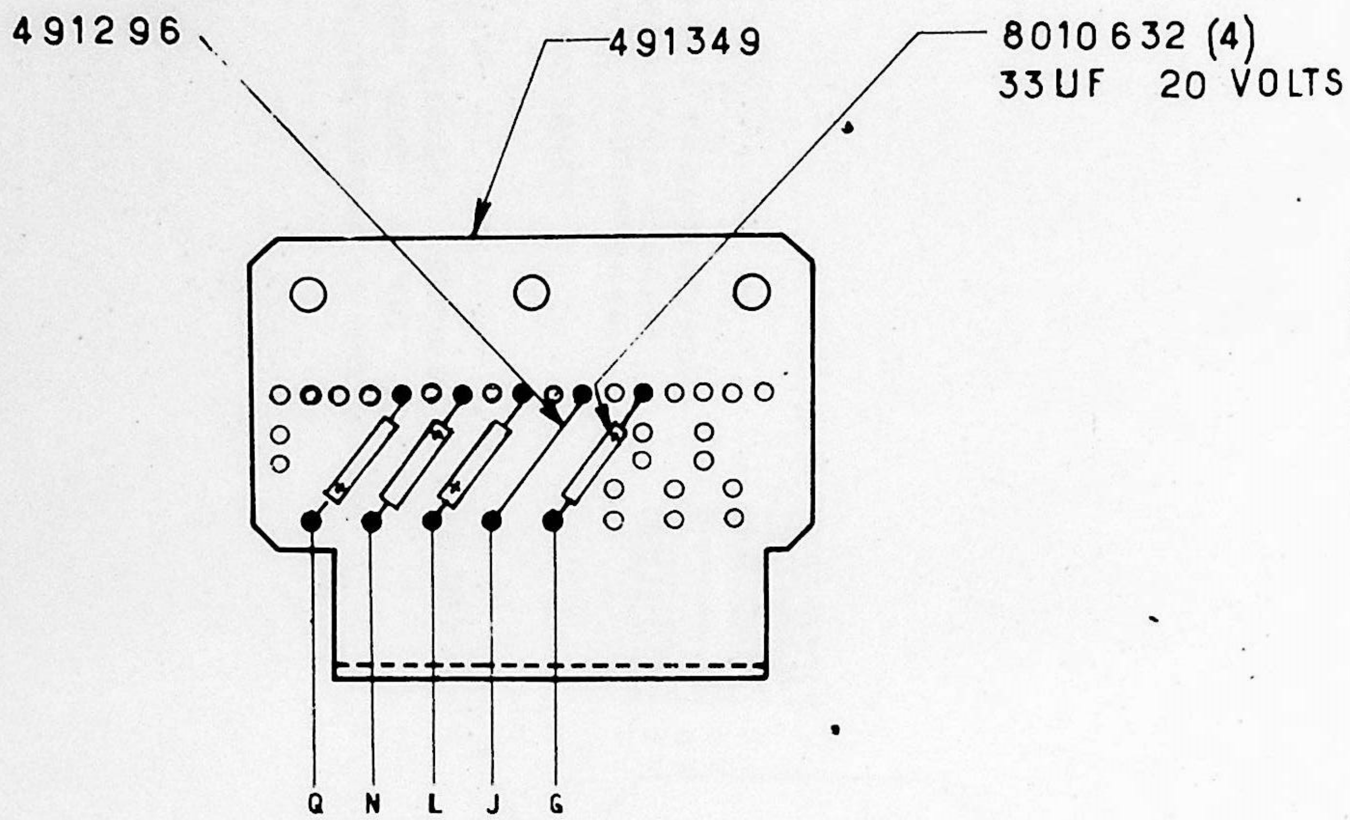
372688

CODE NATURE		APPROBATION TECHNIQUE		
2·7045		ÉLEC		
PREMIÈRE UTILISATION	QTÉ	MÉTAL		
556893	1	PLASTIQUE		
		FINITION		

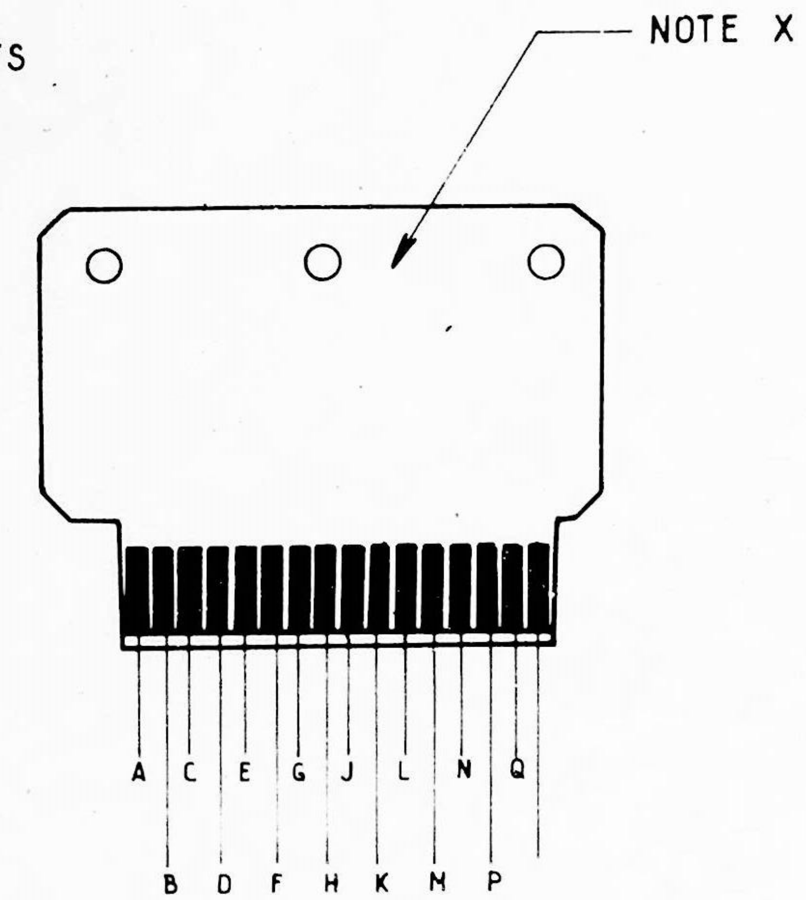
556981

SYMB	DATE	CHANG N°	APP TECHN	SYMB	DATE	CHANG N°	APP TECHN
	4-10-61	EC 249780					
	22-12-61	JT 80891					
	18-12-61	EC 249585					
	22-2-62	JT 80883					

556981



CONPONENT SIDE



PRINTED SIDE

NOTES

X MARQUER LE N° DE LA PIECE ET LE N° DE JT

XI FABRIQUER CONFORMEMENT AUX NOTICES TECHNIQUES 2084692 , 2093495 ET 2093496

SPÉC MATIÈRE	N°
PROF CÉM.	
DURETÉ	
TRAIT. DE SURFACE	
556981	B

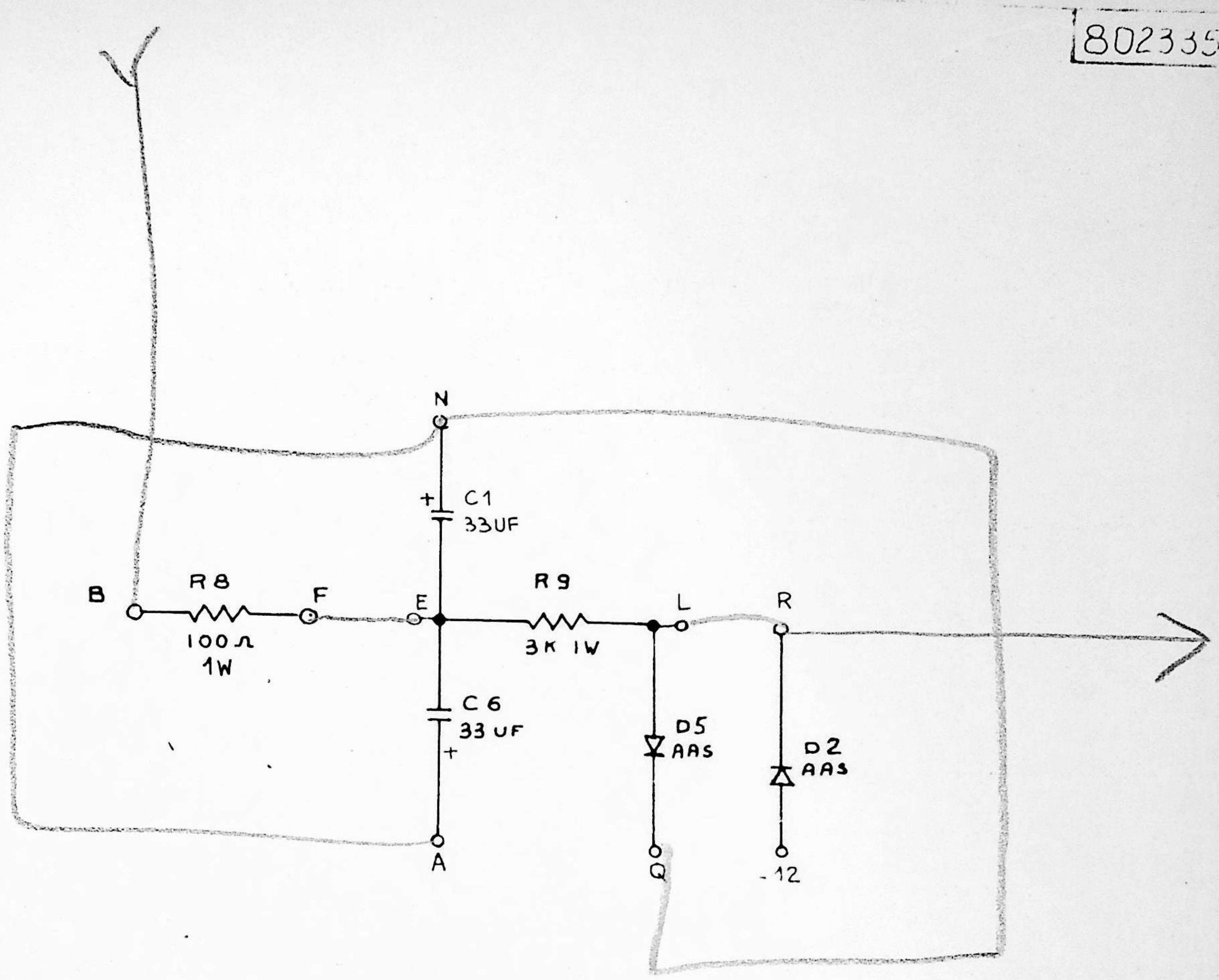
TOLERANCES GENERALES		
DIMENSIONS : ±		
ANGLES : ±		
ARETES ET ANGLES ABATTUS	EXTER	MAX
	INTÉR	MAX

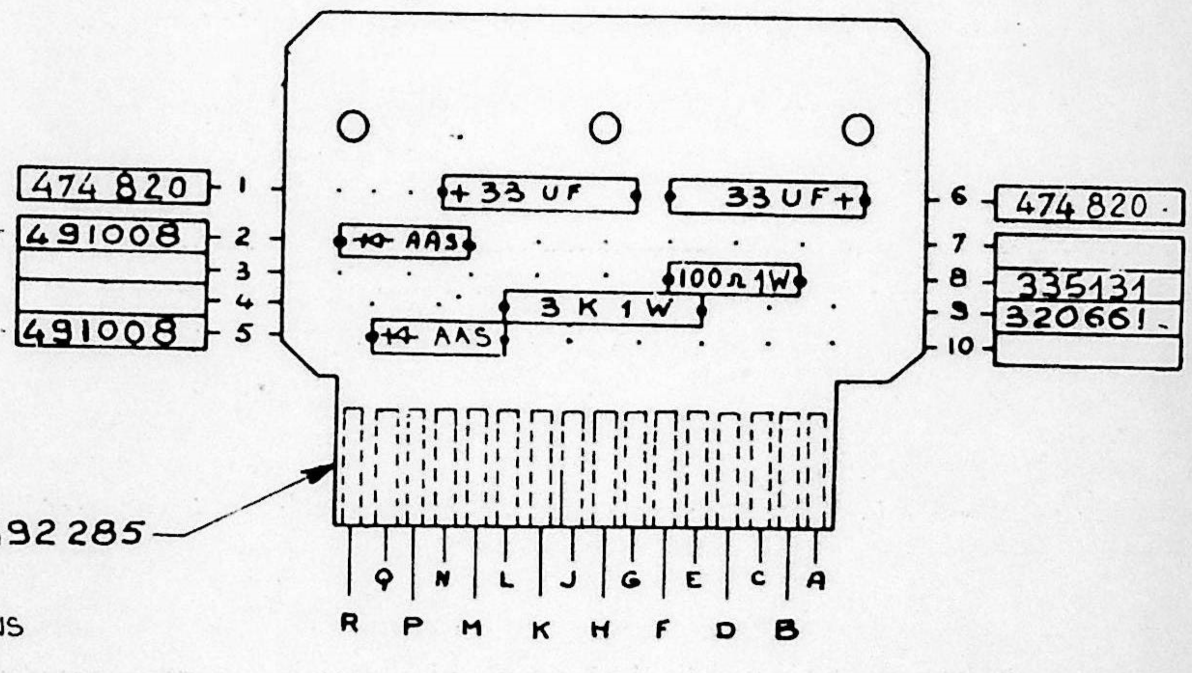
ALIGNÉ A	NOTE I
	NOTE II
PLAN A	NOTE III
PARALLÈLE A	NOTE IV
DROIT A	NOTE V
D'ÉQUERRE A	NOTE VI

IBM				
NOM	ASSEMBLAGE CARTE CONDENSATEURS			
PROJET			TYPE	7330
DESSIN	Dα 40	15-12-61	ECHELLE	1/1
VÉRIF	APC	15-12-61	CALQ	
APPR		-	VÉRIF	

8023359

8023359





- NOTES -

X ASSEMBLE TO ENGINEERING SPECIFICATION 2084692 - 2093495 - AND 2093496.

XI . PIN VOLTAGES

M -12

OTHER VOLTAGES PROVIDED BY "WIRE WRAP" ON THE SOCKET, DEPENDING ON APPLICATIONS

USE WITH SPECIFICATION 8010600

IBM				DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°	DATE	CHANG N°
NOM	ASM. CARD-INTEGRATOR			2 9 63	JT 84696						
	400 MS				JT 84665						
PROJET		TYPE	SMS	4 5 65	JT 86891						
DESSIN	JPB. 29.7.63	ECHEL		1 6 65	JT 86891 A						
VERIF.	FB. 29 7 63	CALQ.									
APPR		VERIF.									

8023359