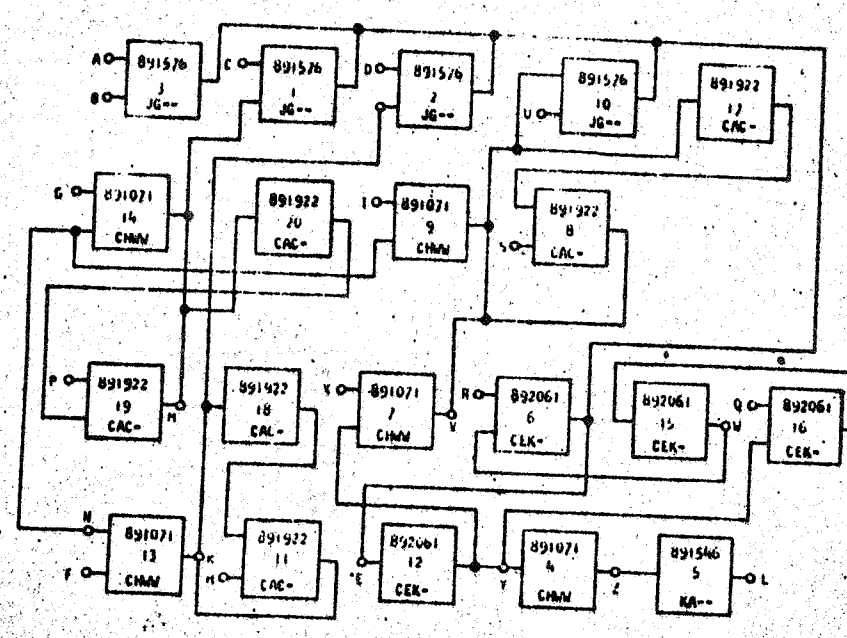
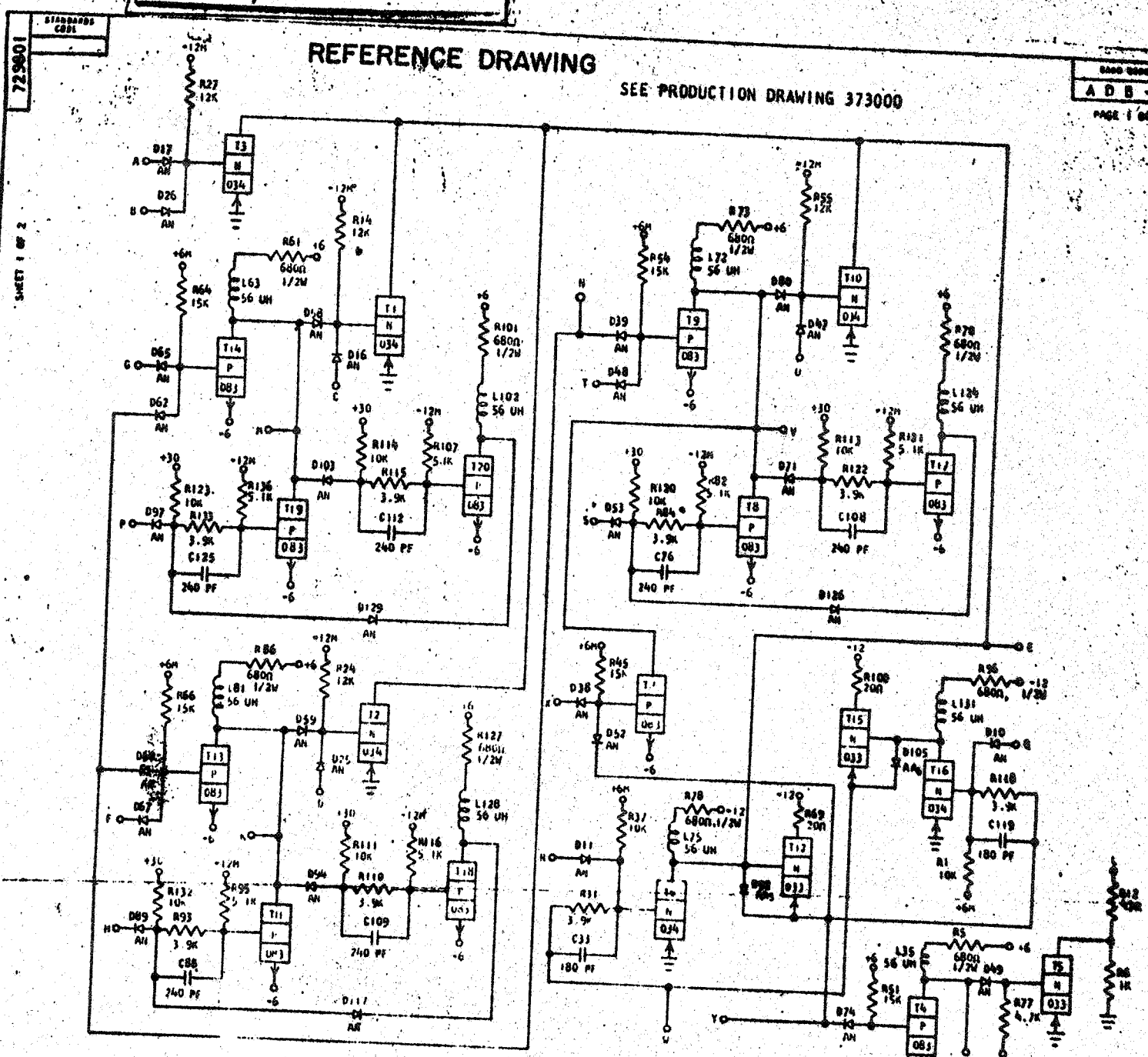


REFERENCE DRAWING

SEE PRODUCTION DRAWING 373000

72901
 ADB -
 PAGE 1 OF 2



VOLTAGE
 GROUND
 -6
 -12
 +12
 +30
 +6N
 -12N

- SEQUENCE OF OPERATION
1. THE ONE AND TWO DIGIT NUMBERS SHOWN IN THE INDIVIDUAL BLOCKS OF THE BLOCK DIAGRAM REFER TO A TRANSISTOR OF THE SAME NUMBER IN THE DETAILED SCHEMATIC
 2. THE 800,000 SERIES NUMBER IN EACH BLOCK REFERS TO THE ENGINEERING SPECIFICATION FOR THAT PARTICULAR CIRCUIT
 3. THE CARD AND CAP CODE IN EACH BLOCK REFERS TO THE RESPECTIVE PORTION OF THE DETAILED CIRCUITRY
 4. FOR INFORMATION PERTAINING TO WAVE FORMS OF EACH INDIVIDUAL CIRCUIT, REFER TO THE CARD AND CAP CODE OF THE CIRCUIT

CIRCUIT AND PACKAGING STANDARD	
APPROVAL	DATE
ABC	4-2-62

INTERNATIONAL BUSINESS MACHINES CORP.				DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
DATA ENTRY CARD ASSEMBLY - ALLOY				1-62	115559					
STORAGE ADDRESS REGISTER										
DESIGN	DETAIL	TEST	WORK							
CHG	BY	CHKD	BY							
APPROV	BY	CHKD	BY							

C

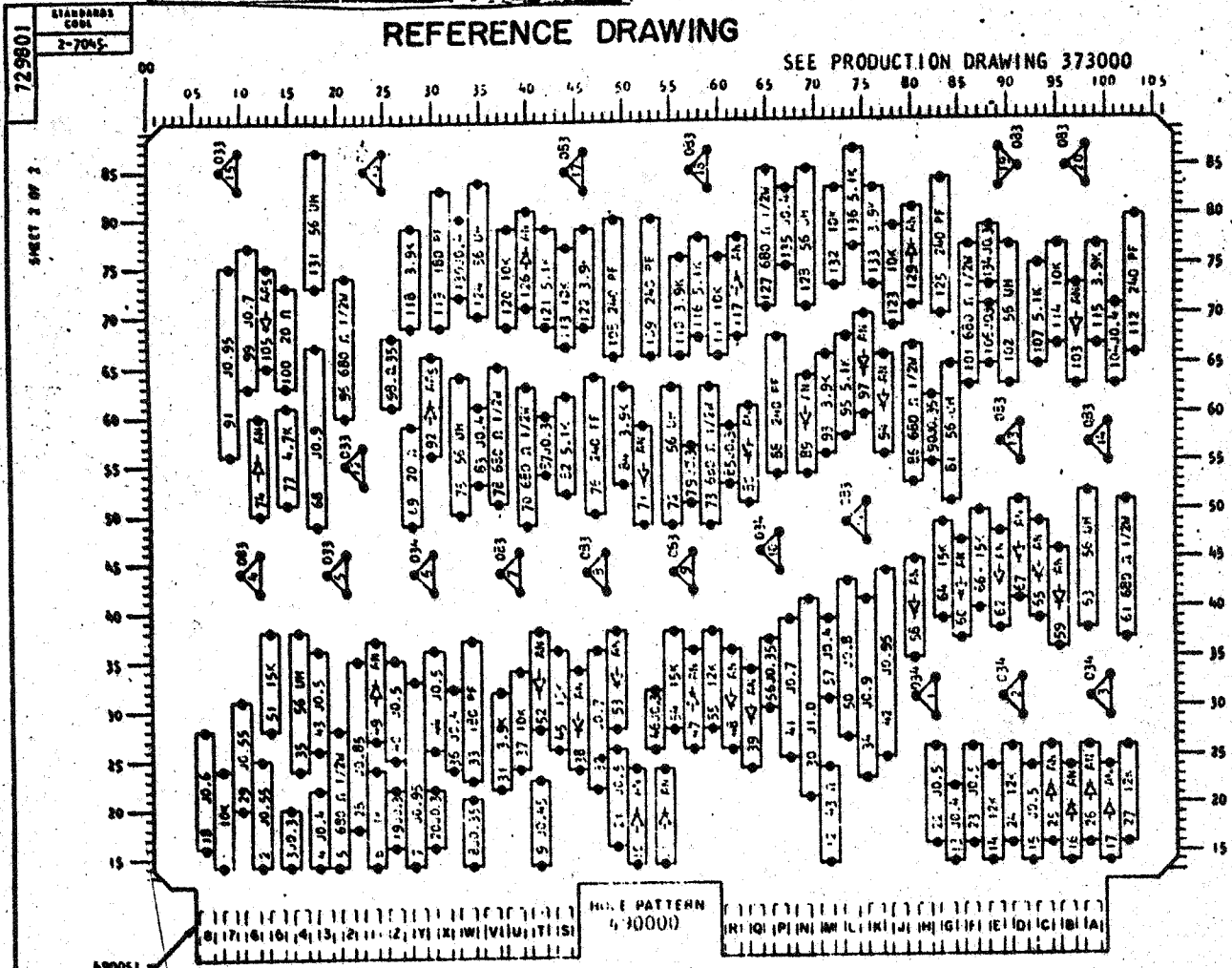
72901

REFERENCE DRAWING

SEE PRODUCTION DRAWING 373000

CARD CODE 72901
A O B -

PAGE 2 OF 2



PART NO	VALUE	QTY.
216445	1K	1
216448	3.9K	1
216449	4.7K	1
216451	5.1K	1
216458	10K	1
216470	12K	1
216472	15K	1
317014	680 01/2W	1
350437	240 PF	1
483051	45 R	1
483052	20 R	1
491007	AN	29
491008	AN	2
350434	180 PF	2
491311	55 UH	9
318324	033	3
318325	063	28
535009	034	6

POSITION	VALUE	LOWER HOLE	UPPER HOLE	POSITION	VALUE	LOWER HOLE	UPPER HOLE	POSITION	VALUE	LOWER HOLE	UPPER HOLE
1	10K	0814	0824	63	56 UH	9838	9852	119	180 PF	3169	3183
2	JO.55	1214	1225	64	15K	8335	8349	120	10K	3809	3829
3	JO.3	1514	1520	65	AN	9339	9349	121	5.1K	4269	4279
4	JO.4	1814	1822	66	15K	8740	8750	122	3.9K	4669	4679
5	680 01/2	2014	2028	67	AN	9141	9151	123	10K	7869	7879
6	1K	2414	2424	68	JO.9	1849	1867	124	56 UH	3570	3584
7	JO.95	2814	2833	69	20 R	2849	2859	125	240 PF	8370	8384
8	JO.35	3414	3421	70	680 01/2W	4049	4063	126	AN	4071	4081
9	JO.45	4114	4123	71	AN	5249	5259	127	680 01/2W	6171	6585
10	AN	5114	5124	72	56 UH	6549	6559	128	56 UH	6971	6985
11	AN	5414	5424	73	680 01/2W	5949	5963	129	AN	8071	8081
12	43 R	7114	7124	74	AN	1250	1260	130	JO.4	3372	3380
13	JO.4	8414	8422	75	56 UH	3150	3164	131	56 UH	1873	1887
14	12K	8814	8824	76	240 PF	4750	4764	132	10K	7273	7283
15	JO.5	9214	9224	77	4.7K	1551	1561	133	3.9K	7673	7683
16	AN	9614	9624	78	680 01/2W	3751	3765	134	JO.3	8873	8879
17	AN	10014	10024	79	JO.3	5751	5757	135	JO.4	6775	6783
18	JO.6	0616	0628	80	AN	6351	6361	136	5.1K	7477	7487
19	JO.3	2616	2622	81	56 UH	8451	8465				
20	JO.3	3016	3022	82	5.1K	4452	4462				
21	JO.5	4916	4926	83	JO.4	3553	3561				
22	JO.5	8216	8226	84	3.9K	5053	5063				
23	JO.5	8616	8626	85	JO.3	6153	6159				
24	12K	9016	9026	86	680 01/2W	8053	8067				
25	AN	9416	9426	87	JO.3	4254	4260				
26	12K	9816	9826	88	240 PF	6454	6468				
27	12K	10216	10226	89	AN	6954	6964				
28	JO.85	2218	2235	90	JO.35	8255	8262				
29	JO.55	1020	1031	91	JO.95	0956	0975				
30	JO.10	6921	6941	92	AN	3056	3066				
31	3.9K	3722	3732	93	3.9K	7156	7166				
32	JO.7	4722	4736	94	AN	7756	7766				
33	180 PF	3423	3437	95	5.1K	7358	7368				
34	JO.9	7523	7541	96	680 01/2W	2160	2174				
35	56 UH	1624	1638	97	AN	7560	7570				
36	JO.4	3224	3232	98	JO.35	2661	2668				
37	10K	3924	3934	99	JO.7	1163	1177				
38	AN	4524	4534	100	70 R	1563	1573				
39	AN	6324	6334	101	680 01/2W	8663	8677				
40	JO.5	2625	2635	102	56 UH	9063	9077				
41	JO.7	6725	6739	103	AN	9763	9773				
42	JO.95	7725	7744	104	JO.4	10163	10171				
43	JO.5	1826	1836	105	AN	1365	1375				
44	JO.5	3026	3036	106	JO.3	9865	9871				
45	15K	4326	4336	107	5.1K	9375	9375				
46	JO.3	5326	5332	108	240 PF	4366	4380				
47	AN	5726	5736	109	240 PF	5366	5380				
48	AN	6126	6136	110	3.9K	5666	5676				
49	AN	2427	2437	111	10K	6066	6076				
50	JO.8	7327	7343	112	240 PF	10166	10180				
51	15K	1328	1338	113	10K	4467	4477				
52	AN	4128	4138	114	10K	9567	9577				
53	AN	4928	4938	115	3.9K	9967	9977				
54	15K	5528	5538	116	5.1K	15868	15878				
55	12K	5928	5938	117	AN	17868	17878				
56	JO.35	6530	6537	118	3.9K	2869	2879				
57	JO.4	7131	7139								
58	AN	8035	8045								
59	AN	9536	9546								
60	7M	8537	8547								
61	680 01/2W	10237	10251								
62	AN	8938	8948								

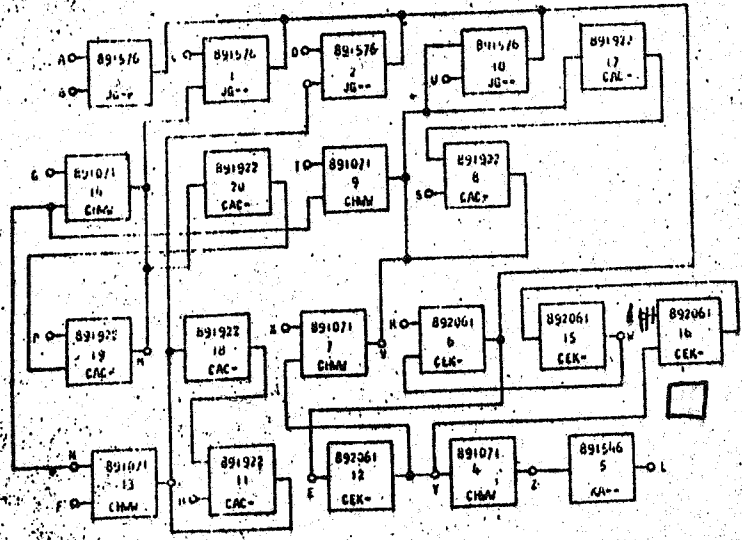
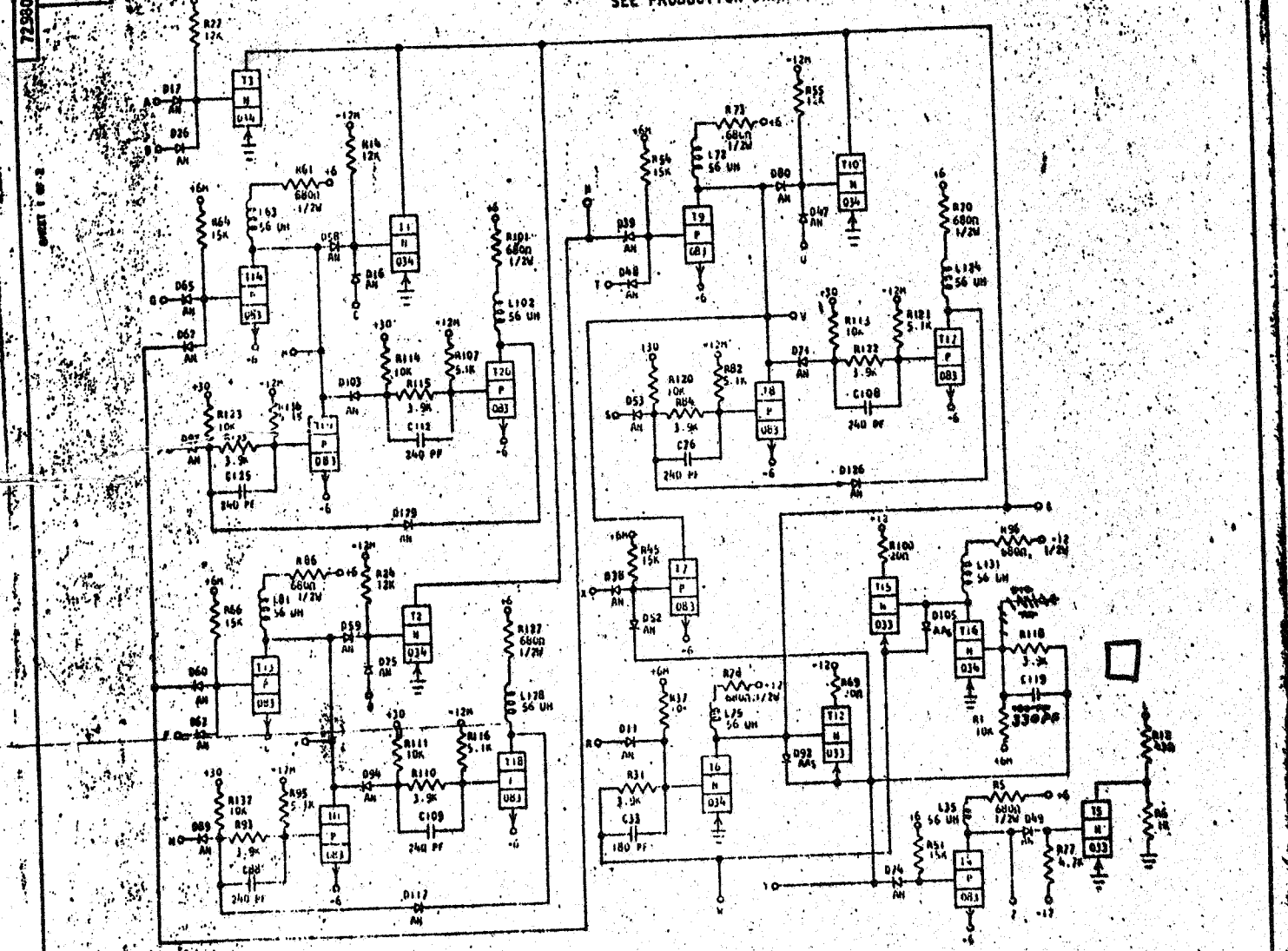
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1	034	8233	8831	8829
2	034	9133	9831	9128
3	034	10033	9831	10029
4	063	1246	1064	1248
5	033	2166	1964	2168
6	034	3046	2844	3048
7	063	3946	3744	3948
8	063	4846	4644	4848
9	063	5746	5544	5748
10	034	6646	6444	6648
11	063	7546	7344	7548
12	033	8446	8244	8448
13	063	9346	9144	9348
14	063	10059	9857	10055
15	033	1087	0886	1083
16	034	2587	2385	2583
17	063	4687	4485	4683
18	063	5987	5785	5983
19	063	6987	6785	6983
20	063	9887	9685	9883

CIRCUIT AND PACKAGING STANDARDS	
APPROVAL	DATE
ABC	4-2-62

INTERNATIONAL BUSINESS MACHINES CORP.	DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME: TWIN CARD ASSEMBLY-ALLOY	4-1-62	113568					72901
STORAGE ADDRESS REGISTER							
DESIGN: MODS: SMS							
DETAIL: 1/2 3-1-62							
SCALE: NONE							
DATE: 3-1-62							

REFERENCE DRAWING

SEE PRODUCTION DRAWING 373000



- VOLTAGE
GROUND
- 4
 - 16
 - 30
 - +6H
 - 12H
- SEQUENCE OF OPERATION
1. THE ONE AND TWO DIGIT NUMBERS SHOWN IN THE INDIVIDUAL BLOCKS OF THE BLOCK DIAGRAM REFER TO A TRANSISTOR OF THE SAME NUMBER IN THE DETAILED SCHEMATIC
 2. THE 800,000 SERIES NUMBER IN EACH BLOCK REFERS TO THE ENGINEERING SPECIFICATION FOR THAT PARTICULAR CIRCUIT
 3. THE CARD AND CAP CODE IN EACH BLOCK REFERS TO THE RESPECTIVE PORTION OF THE DETAILED CIRCUITRY
 4. FOR INFORMATION PERTAINING TO WAVE FORMS OF EACH INDIVIDUAL CIRCUIT, REFER TO THE CARD AND CAP CODE OF THE CIRCUIT

CIRCUIT AND PACKAGING STANDARDS	
APPROVAL	DATE
ABC	4-2-62

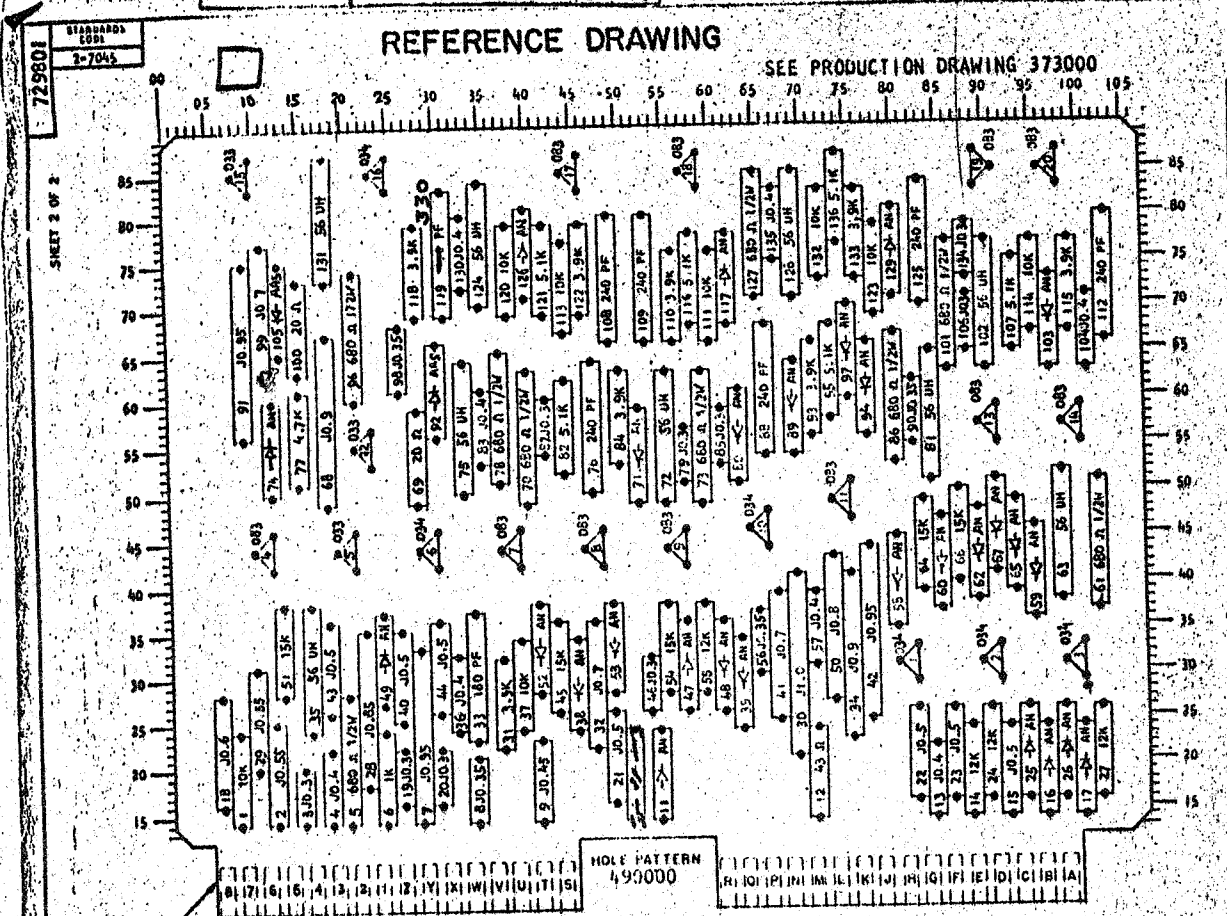
INTERNATIONAL BUSINESS MACHINES CORP.			
DESIGN NO.	CHANGE NO.	APPROVAL	DATE
114738	1	MDL	4-2-62
STORAGE ADDRESS REGISTER			
729501			

REFERENCE DRAWING

SEE PRODUCTION DRAWING 373000

729801

PAGE 2 OF 2



PART NO.	VALUE	QTY.
216445	1K	1
216448	3.9K	1
216460	5.1K	1
216468	10K	1
216470	12K	1
216472	15K	1
317014	680 NI/2V	1
350437	240 PF	1
483051	43 Ω	1
483052	20 Ω	1
491007	AN	1
491008	AN	1
550434	180 PF	1
551311	56 UH	1
350448	330 PF	1

POSITION	VALUE	LOWER HOLE	UPPER HOLE	POSITION	VALUE	LOWER HOLE	UPPER HOLE
10K	0814	0824	63	56 UH	8320		
JO.35	1214	1225	64	15K	8349		
JO.3	1514	1520	65	AN	9139		
JO.4	1814	1823	66	15K	8740		
680 NI/2V	2014	2026	67	AN	9141		
1K	2414	2424	68	JO.9	1849		
JO.95	2814	2833	69	20 Ω	2849		
JO.35	3414	3421	70	680 NI/2V	6049		
JO.45	4114	4123	71	AN	5249		
AN	5114	5124	72	56 UH	5549		
43 Ω	5814	5824	73	680 NI/2V	5949		
JO.4	6414	6424	74	AN	1350		
12K	6814	6824	75	56 UH	1350		
JO.3	7214	7224	76	240 PF	4750		
AN	7614	7624	77	4.7K	1551		
JO.6	8014	8024	78	680 NI/2V	3751		
AN	8414	8424	79	JO.3	5751		
JO.3	8814	8824	80	AN	6351		
JO.3	9214	9222	81	56 UH	8452		
JO.3	9614	9622	82	5.1K	4452		
JO.5	10014	10024	83	JO.4	3553		
12K	10414	10424	84	3.9K	5053		
AN	10814	10824	85	JO.3	6153		
AN	11214	11224	86	680 NI/2V	8053		
AN	11614	11624	87	JO.3	4254		
AN	12014	12024	88	240 PF	6654		
AN	12414	12424	89	AN	6954		
AN	12814	12824	90	JO.35	8255		
AN	13214	13224	91	JO.95	0956		
AN	13614	13624	92	AN	3056		
AN	14014	14024	93	3.9K	7156		
AN	14414	14424	94	AN	7756		
AN	14814	14824	95	5.1K	7356		
AN	15214	15224	96	680 NI/2V	2156		
AN	15614	15624	97	AN	2156		
AN	16014	16024	98	JO.35	2656		
AN	16414	16424	99	JO.7	1163		
AN	16814	16824	100	20 Ω	1563		
AN	17214	17224	101	680 NI/2V	8663		
AN	17614	17624	102	56 UH	9063		
AN	18014	18024	103	AN	9763		
AN	18414	18424	104	JO.4	10163		
AN	18814	18824	105	AN	1369		
AN	19214	19224	106	JO.3	8869		
AN	19614	19624	107	5.1K	9369		
AN	20014	20024	108	240 PF	4969		
AN	20414	20424	109	240 PF	5369		
AN	20814	20824	110	3.9K	5669		
AN	21214	21224	111	10K	6069		
AN	21614	21624	112	240 PF	10369		
AN	22014	22024	113	10K	4467		
AN	22414	22424	114	10K	9567		
AN	22814	22824	115	3.9K	9967		
AN	23214	23224	116	5.1K	5868		
AN	23614	23624	117	AN	6268		
AN	24014	24024	118	3.9K	2869		

POSITION	TYPE	E	S	C
1	034	8233	8031	8229
2	034	9133	8931	9129
3	034	10033	9831	10029
4	034	1246	1044	1242
5	034	2146	1944	2142
6	034	3046	2844	3042
7	034	3946	3744	3942
8	034	4846	4644	4842
9	034	5746	5544	5742
10	034	6646	6444	6642
11	034	7546	7344	7542
12	034	8446	8244	8442
13	034	9346	9144	9342
14	034	10246	10044	10242
15	034	1087	1085	1083
16	034	2587	2585	2583
17	034	4687	4685	4683
18	034	5987	5985	5983
19	034	8987	8985	8983
20	034	9887	9885	9883

SIGNATURE AND PACKAGING STANDARD	
APPROVAL	DATE
ABC	4-2-62

INTERNATIONAL BUSINESS MACHINES CORP.	DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME: TWIN CARD PUNCHER-ALLOY	4-2-62	115579					729801
STORAGE ADDRESS: NEW YORK	4-6-62	0113568	MPL				
DESIGNER: J.C.	11-62	11473B					

729801

STANDARDS CODE

REFERENCE DRAWING

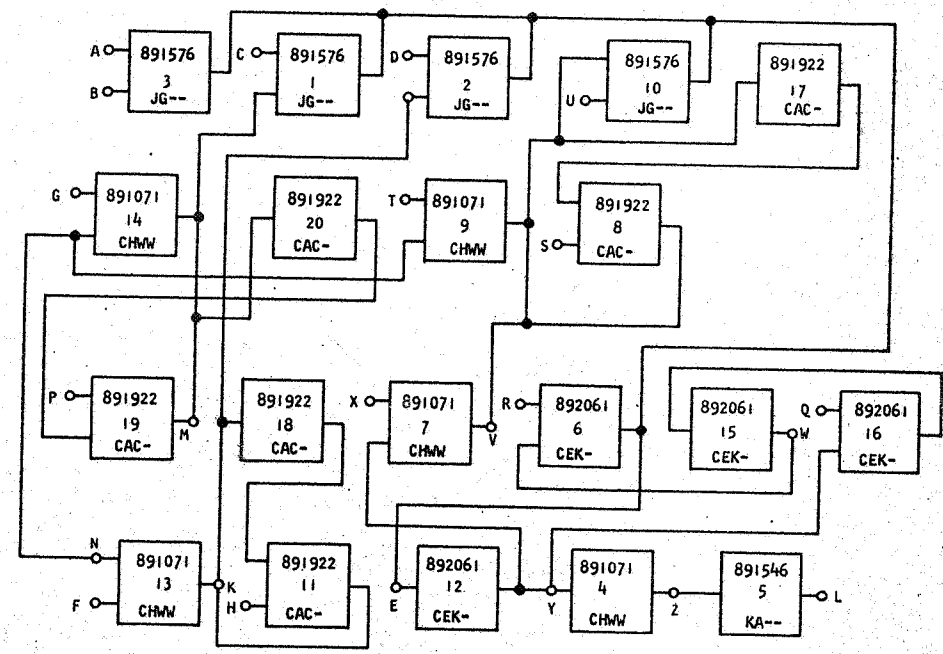
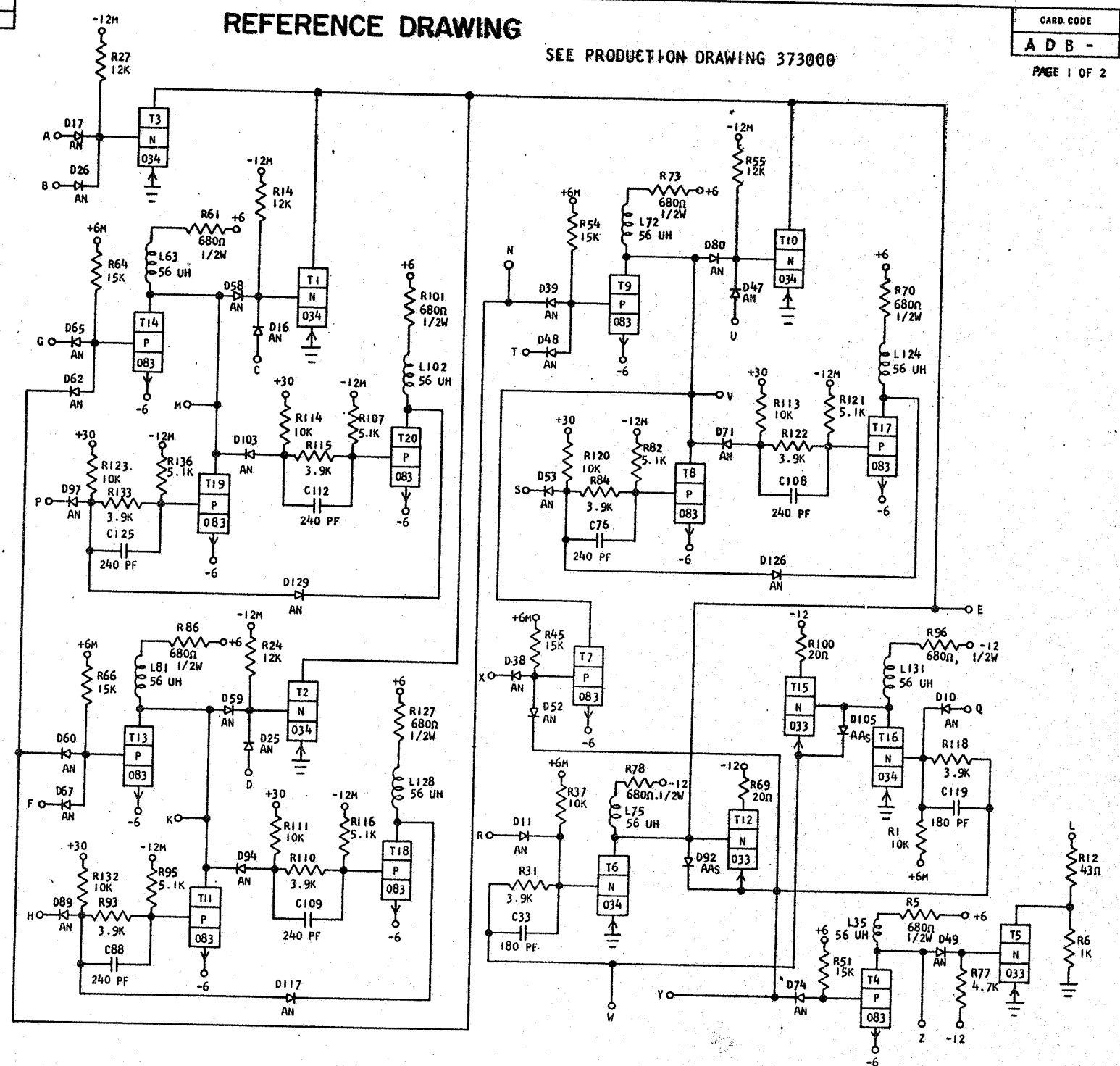
SEE PRODUCTION DRAWING 373000

CARD CODE 729801

A D B -

PAGE 1 OF 2

SHEET 1 OF 2



VOLTAGE	
GROUND	
-6	
+6	
-12	
+30	
+6M	
-12M	

PIN	
1	
2	
3	
4	
5	
7	
8	

SEQUENCE OF OPERATION

1. THE ONE AND TWO DIGIT NUMBERS SHOWN IN THE INDIVIDUAL BLOCKS OF THE BLOCK DIAGRAM REFER TO A TRANSISTOR OF THE SAME NUMBER IN THE DETAILED SCHEMATIC
2. THE 800,000 SERIES NUMBER IN EACH BLOCK REFERS TO THE ENGINEERING SPECIFICATION FOR THAT PARTICULAR CIRCUIT
3. THE CARD AND CAP CODE IN EACH BLOCK REFERS TO THE RESPECTIVE PORTION OF THE DETAILED CIRCUITRY
4. FOR INFORMATION PERTAINING TO WAVE FORMS OF EACH INDIVIDUAL CIRCUIT, REFER TO THE CARD AND CAP CODE OF THE CIRCUIT

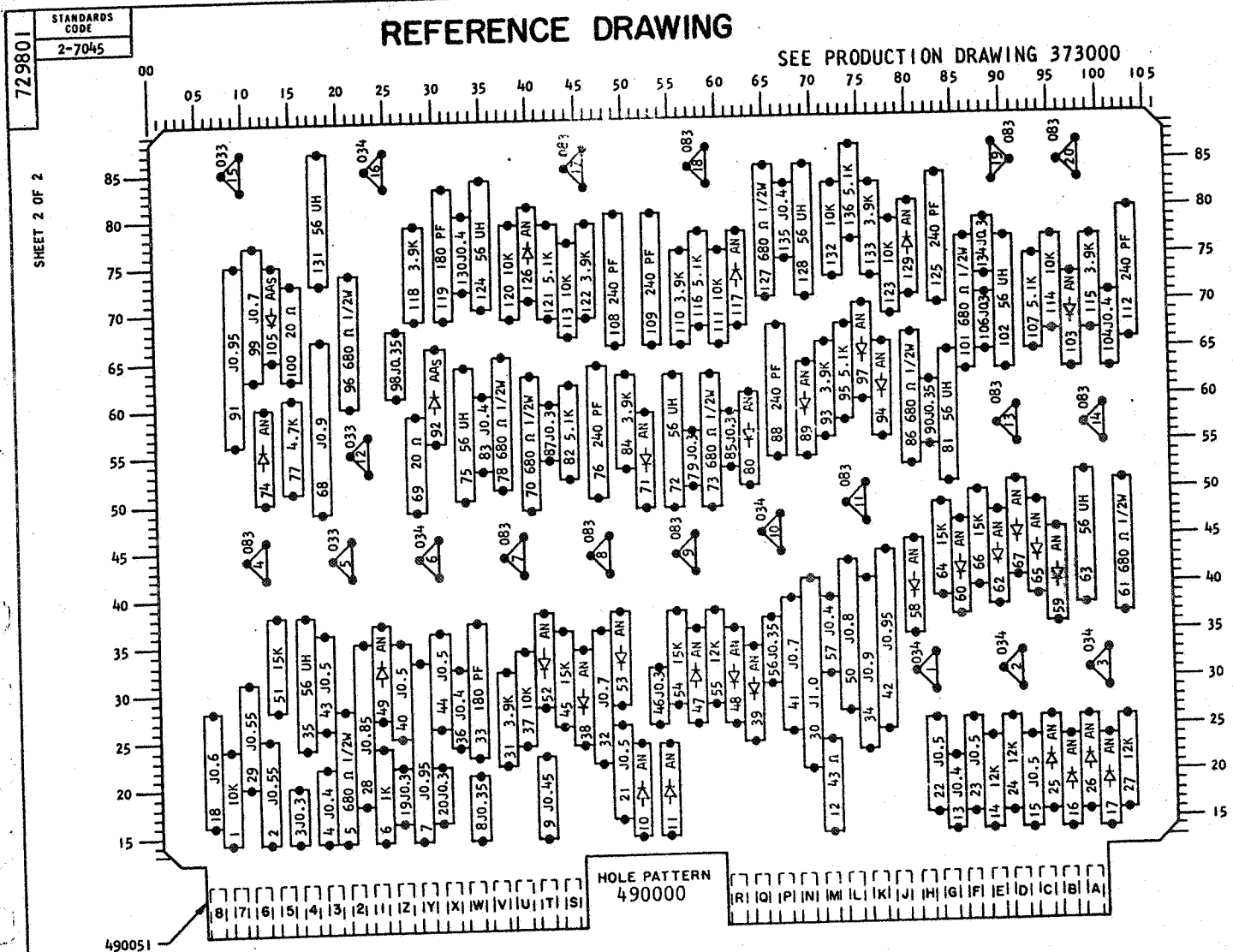
CIRCUIT AND PACKAGING STANDARD	
APPROVAL	DATE
ABC	4-2-62

INTERNATIONAL BUSINESS MACHINES CORP.				DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME TWIN CARD ASSEMBLY- ALLOY				1-62	115599					729801
STORAGE ADDRESS REGISTER										
DESIGN	CJ	3-1-62	SCALE	NONE						
CHECK	WH	3-1-62	DRAW	LIG 3-17-62						
APPRO			CHECK							

PART NO.	VALUE	QTY.
216445	1K	1
216458	3.9K	8
216461	4.7K	1
216468	5.1K	6
216470	10K	8
216472	12K	4
317014	15K	5
350437	680 Ω/2W	9
483051	240 PF	6
483052	43 Ω	1
491007	20 Ω	2
491008	AN	29
350434	AS	2
491311	180 PF	2
	56 UH	9
318324	033	3
318325	083	11
535009	034	6

REFERENCE DRAWING

SEE PRODUCTION DRAWING 373000



POSITION	VALUE	LOWER HOLE	UPPER HOLE	POSITION	VALUE	LOWER HOLE	UPPER HOLE	POSITION	VALUE	LOWER HOLE	UPPER HOLE
1	10K	0814	0824	63	56 UH	9838	9852	119	180 PF	3169	3183
2	JO.55	1214	1225	64	15K	8339	8349	120	10K	3869	3879
3	JO.3	1514	1520	65	AN	9349	9349	121	5.1K	4269	4279
4	JO.4	1814	1822	66	15K	8740	8750	122	3.9K	4669	4679
5	680 Ω/2	2014	2028	67	AN	9141	9151	123	10K	7869	7879
6	1K	2414	2424	68	JO.9	1849	1867	124	56 UH	3570	3584
7	JO.95	2814	2833	69	20 Ω	2849	2859	125	240 PF	8370	8384
8	JO.35	3414	3421	70	680 Ω/2W	4049	4063	126	AN	4071	4081
9	JO.45	4114	4123	71	AN	5249	5259	127	680 Ω/2W	6571	6585
10	AN	5114	5124	72	56 UH	6549	6563	128	56 UH	6971	6985
11	AN	5414	5424	73	680 Ω/2W	5949	5963	129	AN	8071	8081
12	43 Ω	7114	7124	74	AN	1250	1260	130	JO.4	3372	3380
13	JO.4	8414	8422	75	56 UH	3350	3364	131	56 UH	1873	1887
14	12K	8814	8824	76	240 PF	4750	4764	132	10K	7273	7283
15	JO.5	9214	9224	77	4.7K	1551	1561	133	3.9K	7673	7683
16	AN	9614	9624	78	680 Ω/2W	3751	3765	134	JO.3	8873	8879
17	AN	10014	10024	79	JO.3	5751	5757	135	JO.4	6775	6783
18	JO.6	0616	0628	80	AN	6351	6361	136	5.1K	7477	7487
19	JO.3	2616	2622	81	56 UH	8451	8465				
20	JO.3	3016	3022	82	5.1K	4452	4462				
21	JO.5	4916	4926	83	JO.4	3553	3561				
22	JO.5	8216	8226	84	3.9K	5053	5063				
23	JO.5	8616	8626	85	JO.3	6153	6159				
24	12K	9016	9026	86	680 Ω/2W	8053	8067				
25	AN	9416	9426	87	JO.3	4254	4260				
26	AN	9816	9826	88	240 PF	6654	6668				
27	12K	10216	10226	89	AN	6954	6964				
28	JO.85	2218	2235	90	JO.35	8255	8262				
29	JO.55	1020	1031	91	JO.95	0956	0976				
30	JO.7	6921	6941	92	AS	3056	3066				
31	3.9K	3722	3732	93	3.9K	7156	7166				
32	JO.7	4722	4736	94	AN	7756	7766				
33	180 PF	3423	3437	95	5.1K	7358	7368				
34	JO.9	7523	7541	96	680 Ω/2W	2160	2174				
35	56 UH	1624	1638	97	AN	7560	7570				
36	JO.4	3224	3232	98	JO.35	2661	2668				
37	10K	3924	3934	99	JO.7	1163	1177				
38	AN	4524	4534	100	20 Ω	1563	1573				
39	AN	6324	6334	101	680 Ω/2W	8663	8677				
40	JO.5	2625	2635	102	56 UH	9063	9077				
41	JO.7	6725	6739	103	AN	9763	9773				
42	JO.95	7725	7744	104	JO.4	10163	10171				
43	JO.5	1826	1836	105	AS	1365	1375				
44	JO.5	3026	3036	106	JO.3	8865	8871				
45	15K	4326	4336	107	5.1K	9365	9375				
46	JO.3	5326	5332	108	240 PF	4966	4980				
47	AN	5726	5736	109	240 PF	5366	5380				
48	AN	6126	6136	110	3.9K	5666	5676				
49	AN	2427	2437	111	10K	6066	6076				
50	JO.8	7327	7343	112	240 PF	10366	10380				
51	15K	1328	1338	113	10K	4467	4477				
52	AN	4128	4138	114	10K	9567	9577				
53	AN	4928	4938	115	3.9K	9967	9977				
54	15K	5528	5538	116	5.1K	5868	5878				
55	12K	5928	5938	117	AN	6268	6278				
56	JO.35	6530	6537	118	3.9K	2869	2879				
57	JO.4	7131	7139								
58	AN	8035	8045								
59	AN	9536	9546								
60	AN	8537	8547								
61	680 Ω/2W	10237	10251								
62	AN	8938	8948								

POSITION	TYPE	E	B	C
1	034	8233	8031	8229
2	034	9133	8931	9129
3	034	10033	9831	10029
4	083	1246	1044	1242
5	033	2146	1944	2142
6	034	3046	2844	3042
7	083	3946	3744	3942
8	083	4846	4644	4842
9	083	5746	5544	5742
10	034	6646	6444	6644
11	083	7546	7344	7542
12	033	8446	8244	8442
13	083	9346	9144	9342
14	083	10059	9857	10055
15	033	1087	1085	1083
16	034	2587	2385	2583
17	083	4687	4485	4683
18	083	5987	5785	5983
19	083	8983	9185	8987
20	083	9887	9685	9883

CIRCUIT AND PACKAGING STANDARD							
APPROVAL				DATE			
ABC				4-2-62			
INTERNATIONAL BUSINESS MACHINES CORP.	DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME TWIN CARD ASSEMBLY-ALLOY	6 19 52	115599					729801
STORAGE ADDRESS REGISTER							
DESIGN	MODEL	SMS					
DETAIL RQ 3-1-62	SCALE	NONE					
CHECK WH 3-1-62	DRAW	LIG 3-17-62					
APPRO	CHECK						

729801

STANDARD CASE

REFERENCE DRAWING

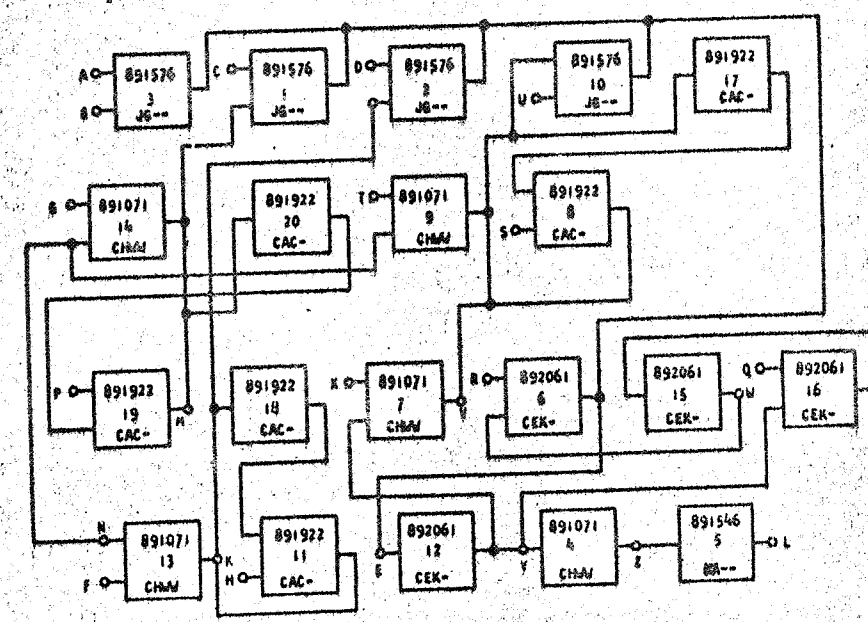
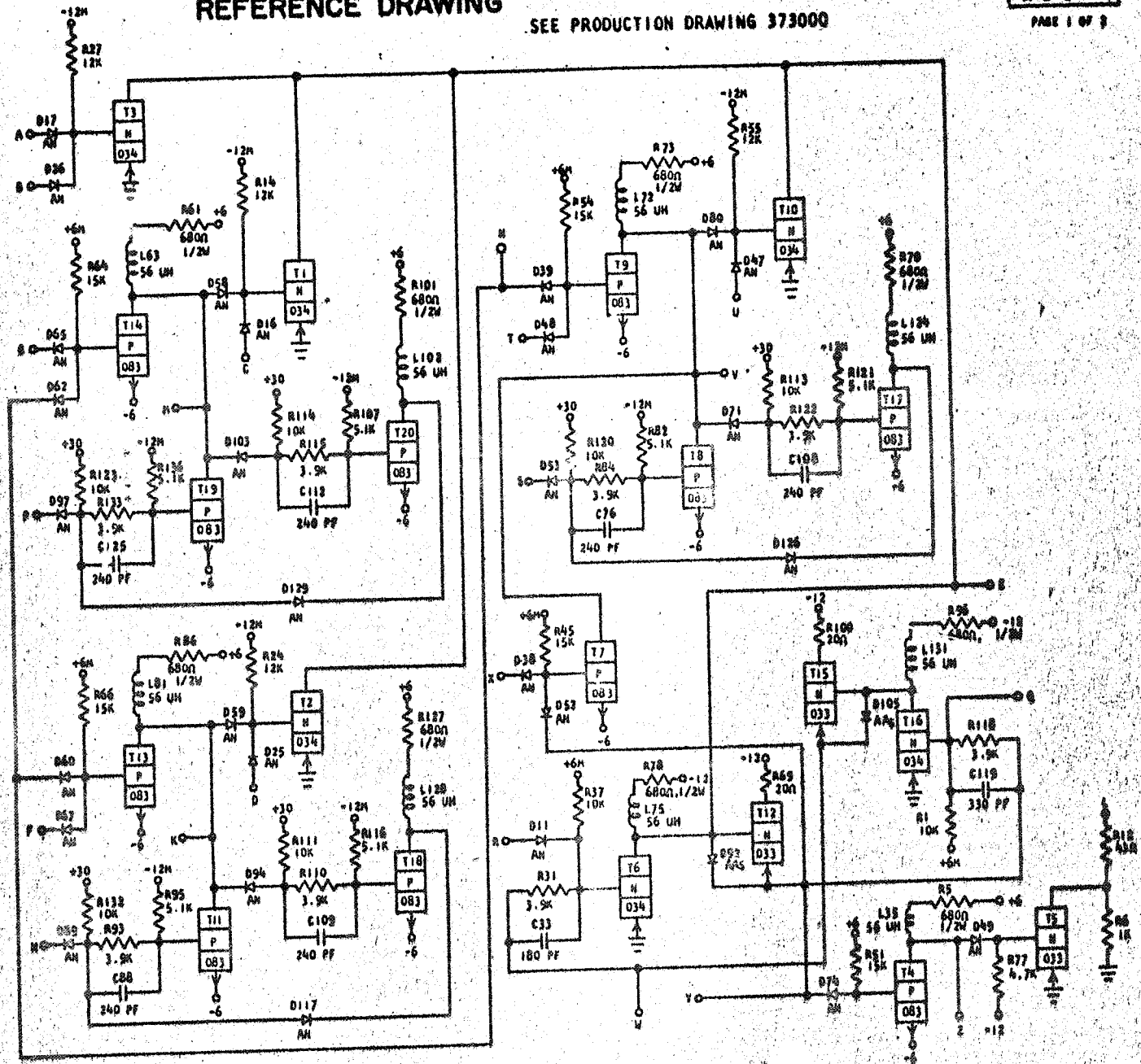
SEE PRODUCTION DRAWING 373000

729801

A D B -

PAGE 1 OF 3

SHEET 1 OF 2



VOLTAGE
GROUND
-6
-12
-13
+30
+6V
+12V

- SEQUENCE OF OPERATION
1. THE ONE AND TWO DIGIT NUMBERS SHOWN IN THE INDIVIDUAL BLOCKS OF THE BLOCK DIAGRAM REFER TO A TRANSMITTER OF THE SAME NUMBER IN THE DETAILED SCHEMATIC
 2. THE 800,000 SERIES NUMBER IN EACH BLOCK REFERS TO THE ENGINEERING SPECIFICATION FOR THAT PARTICULAR CIRCUIT
 3. THE CARD AND CAP CODE IN EACH BLOCK REFERS TO THE RESPECTIVE PORTION OF THE DETAILED CIRCUITRY
 4. FOR INFORMATION PERTAINING TO WAVE FORMS OF EACH INDIVIDUAL CIRCUIT, REFER TO THE CARD AND CAP CODE OF THE CIRCUIT

CIRCUIT AND PACKAGING STANDARDS	
APPROVAL	DATE
ABC	4-2-62

INTERNATIONAL BUSINESS MACHINES CORP.	DATE	CHARGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME TWIN CARD ASSEMBLY - ALLOY	4-29-62	115599					729801
STORAGE ADDRESS REGISTER	9-6-62	8113560	MPL				
DESIGN	11-13-62	114730					
DETAIL NO 3-1-62 SCALE NONE	1-9-63	EC 8116088					
CHECK MM 3-1-62 DRAW L18 3-17-62	3-4-63	JT 83667					

729801

729801

STANDARD CODE
2-7045

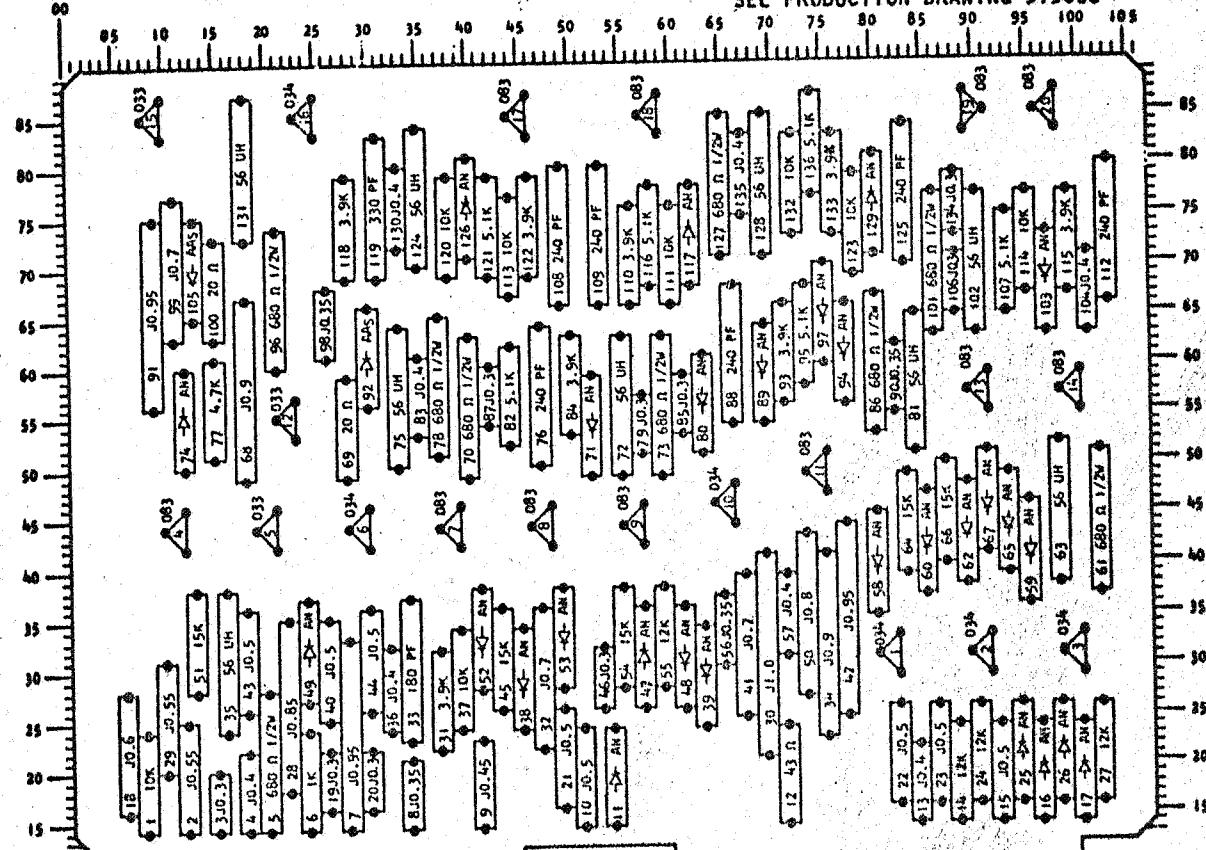
REFERENCE DRAWING

SEE PRODUCTION DRAWING 373000

CARD CODE
A D B - 729801

PAGE 2 OF 3

SHEET 2 OF 2



PART NO.	VALUE	QTY.
216445	1K	1
216458	3.9K	1
216460	4.7K	1
216461	5.1K	1
216468	10K	1
216470	12K	1
216472	15K	1
317014	680 NI/2W	1
350437	240 PF	1
483051	43 N	1
483052	20 N	1
491007	AM	28
491008	AS	2
350434	180 PF	1
350440	330 PF	1
491311	56 UH	9
318324	033	3
318325	083	1
535009	034	6

POSITION	VALUE	LOWER HOLE	UPPER HOLE	POSITION	VALUE	LOWER HOLE	UPPER HOLE	POSITION	VALUE	LOWER HOLE	UPPER HOLE
1	10K	0814	0824	61	56 UH	9838	9852	119	330 PF	3169	3183
2	JO.55	1214	1225	64	15K	8339	8349	120	10K	3669	3679
3	JO.3	1514	1520	65	AN	9339	9349	121	5.1K	4269	4279
4	JO.4	1814	1822	66	15K	8740	8750	122	3.9K	4669	4679
5	680 NI/2	2014	2028	67	AN	9141	9151	123	10K	7069	7079
6	1K	2414	2424	68	JO.9	1849	1867	124	56 UH	3579	3584
7	JO.95	2814	2833	69	20 N	2849	2859	125	240 PF	8370	8374
8	JO.35	3414	3421	70	680 NI/2W	4049	4053	126	AN	4071	4081
9	JO.45	4114	4123	71	AN	5249	5259	127	680 NI/2W	6571	6585
10	JO.5	5114	5124	72	56 UH	5549	5563	128	56 UH	6971	6985
11	AN	5414	5424	73	680 NI/2W	5949	5963	129	AN	8071	8081
12	43 N	7114	7124	74	AN	1250	1260	130	JO.4	3372	3380
13	JO.4	8414	8422	75	56 UH	3350	3364	131	56 UH	1873	1887
14	12K	8814	8824	76	240 PF	4750	4764	132	10K	7273	7283
15	JO.5	9214	9224	77	4.7K	1551	1561	133	3.9K	7673	7683
16	AN	9614	9624	78	680 NI/2W	3751	3765	134	JO.3	8873	8879
17	AN	10014	10024	79	JO.3	5751	5757	135	JO.4	6775	6781
18	JO.6	0616	0628	80	AN	6351	6361	136	5.1K	7477	7487
19	JO.3	2616	2622	81	56 UH	8451	8465				
20	JO.3	3016	3022	82	5.1K	4452	4462				
21	JO.5	4916	4926	83	JO.4	3553	3561				
22	JO.5	8216	8226	84	3.9K	5053	5063				
23	JO.5	8616	8626	85	JO.3	6153	6159				
24	12K	9016	9026	86	680 NI/2W	8053	8067				
25	AN	9416	9426	87	JO.3	4254	4260				
26	AN	9816	9826	88	240 PF	6654	6668				
27	12K	10216	10226	89	AN	6954	6964				
28	JO.85	2218	2235	90	JO.35	8255	8262				
29	JO.55	1020	1031	91	JO.95	0956	0975				
30	JI.0	6921	6941	92	AS	3056	3066				
31	3.9K	3722	3732	93	3.9K	7156	7166				
32	JO.7	4722	4736	94	AN	7756	7766				
33	180 PF	3423	3437	95	5.1K	7358	7368				
34	JO.9	7523	7541	96	680 NI/2W	2160	2174				
35	56 UH	1624	1638	97	AN	7560	7570				
36	JO.4	3224	3232	98	JO.35	2661	2668				
37	10K	3924	3934	99	JO.7	1163	1177				
38	AN	4524	4534	100	20 N	1563	1573				
39	AN	6324	6334	101	680 NI/2W	8663	8677				
40	JO.5	2625	2635	102	56 UH	9063	9077				
41	JO.7	6725	6739	103	AN	9763	9773				
42	JO.95	7725	7744	104	JO.4	10163	10171				
43	JO.5	1826	1836	105	AS	1365	1375				
44	JO.5	3026	3036	106	JO.3	8865	8871				
45	15K	4326	4336	107	5.1K	9365	9375				
46	JO.3	5326	5332	108	240 PF	4968	4980				
47	AN	5726	5736	109	240 PF	5366	5380				
48	AN	6126	6136	110	3.9K	5666	5676				
49	AN	2427	2437	111	10K	6066	6076				
50	JO.8	7327	7343	112	240 PF	10366	10380				
51	15K	1328	1338	113	10K	4467	4477				
52	AN	4128	4138	114	10K	9567	9577				
53	AN	4928	4938	115	3.9K	9967	9977				
54	15K	5528	5538	116	5.1K	5868	5878				
55	12K	5928	5938	117	AN	6268	6278				
56	JO.35	6530	6537	118	3.9K	2869	2879				
57	JO.4	7131	7139								
58	AN	8035	8045								
59	AN	9536	9546								
60	AN	8537	8547								
61	680 NI/2W	10237	10251								
62	AN	8938	8948								

POSITION	TYPE	C	B	E
1	034	8233	8031	8229
2	034	9133	8931	9129
3	034	10033	9831	10029
4	083	1268	1064	1242
5	033	3168	1944	3142
6	034	3048	2844	3042
7	083	3948	3744	3942
8	083	4848	4644	4842
9	083	5748	5544	5742
10	034	6648	6444	6644
11	083	7548	7344	7542
12	033	2357	2155	2353
13	083	9159	8957	9155
14	083	10059	9857	10055
15	033	1087	0885	1083
16	034	2587	2385	2583
17	083	4687	4485	4683
18	083	5987	5785	5983
19	083	8987	8785	8983
20	083	9887	9685	9883

INTERNATIONAL BUSINESS MACHINES CORP.				DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME TWIN CARD ASSEMBLY-ALLOY				8-29-62	115599					729801
STORAGE ADDRESS REGISTER				9-6-62	0113648	NSA				
REVISION				11-13-62	114738					
DETAIL NO				3-1-62	SCALE NONE					
CHECK NO				3-1-62	DRAW L16	3-17-62	1-9-62	EC 0116088		
APPRO							30-4-63	JT 93687		

CIRCUIT AND PACKAGING STANDARDS	
APPROVAL	DATE
ABC	4-2-62

729801/2