VOLUME 043 MACHINE 3705- -0080232 MODEL M81 SYSTEM 0002904 MODE BOX SHIP 81/12/11

LOGIC TYPE -0- SYSTEMS DIAGRAMS

PAGE NUM	SH	TITLE	PART NUM	EC NUM	FEATURE B/M OR B/MS
AA000		BINDER TAB VOL 043	0008496498	344270	.W. 0001862344
DB101		CENTRAL CONTROL	0001852861	344270	.W. 0001862344
DE002		CENTRAL CONTROL	0001852862	344270	.W. 0001862344
DE003		CENTROL CONTROL	0001852863	344270	.W. 0001862344
DE008		CENTRAL CONTROL	0001852864	344270	.W. 0001862344
DE971		CENTRAL CONTROL	0001852865	344828	.W. 0001862344
DE974		CENTRAL CONTROL	0001852866	344270	.W. 0001862344
DE975		CENTRAL CONTROL	0001852867	344270	.W. 0001862344
DE976		CENTRAL CONTROL	0001852868	344270	.W. 0001862344
DE977		CENTRAL CONTROL	0001852869	344270	.W. 0001862344
DF002		CENTRAL CONTROL	0001852870	344270	.W. 0001862344
DF003		CENTRAL CONTROL	0001852871	344270	.W. 0001862344
DF008		CENTRAL CONTROL	0001852872	344270	.W. 0001862344
DF009		CENTRAL CONTROL	0001852873	344270	.W. 0001862344
DF971		CENTRAL CONTROL	0001852874	344828	.W. 0001862344
DF974		CENTRAL CONTROL	0001852875	344270	.W. 0001862344
DF975		CENTRAL CONTROL	0001852876	344270	.W. 0001862344
DF976		CENTRAL CONTROL	0001852877	344270	.W. 0001862344
DF977		CENTRAL CONTROL	0001852878	344270	.W. 0001862344
DG002		CENTRAL CONTROL	0001852879	344270	.W. 0001862344
DG003		CENTRAL CONTROL	0001852880	344270	.W. 0001862344
DG008		CENTRAL CONTROL	0001852881	344270	.W. 0001862344
DG009		CENTRAL CONTROL	0001852882	344270	.W. 0001862344
DG971		CENTRAL CONTROL	0001852883	344828	.W. 0001862344
DG974		CENTRAL CONTROL	0001852884	344270	.W. 0001862344
DG975		CENTRAL CONTROL	0001852885	344270	.W. 0001862344
DG976		CENTRAL CONTROL	0001852886	344270	.W. 0001862344
DG977		CENTRAL CONTROL	0001852887	344270	.W. 0001862344
DH002		CENTRAL CONTROL	0001852888	344270	.W. 0001862344
DH003		CENTRAL CONTROL	0001852889	344270	.W. 0001862344
DH008		CENTRAL CONTROL	0001852890	344270	.W. 0001862344
DH009		CENTRAL CONTROL	0001852891	344270	.W. 0001862344
DH010		CENTRAL CONTROL	0001852892	344270	.W. 0001862344
DH011		CENTRAL CONTROL	0001852893	344828	.W. 0001862344
DH014		CENTRAL CONTROL	0001852894	344270	.W. 0001862344
DH015		CENTRAL CONTROL	0001852895	344270	.W. 0001862344
DH016		CENTRAL CONTROL	0001852896	344270	.W. 0001862344
DH017		CENTRAL CONTROL	0001852897	344270	.W. 0001862344
DJ002		CENTRAL CONTROL	0001859588	344270	.W. 0001862344
DJ003		CENTRAL CONTROL	0001859589	344270	.W. 0001862344
DJ008		CENTRAL CONTROL	0001859590	344270	.W. 0001862344
DJ009		CENTRAL CONTROL	0001859591	344270	.W. 0001862344

VOLUME 043 MACHINE 3705- -0080232 MODEL M81 SYSTEM 0002904 MODE BOX SHIP 81/12/11

LOGIC TYPE -0- SYSTEMS DIAGRAMS

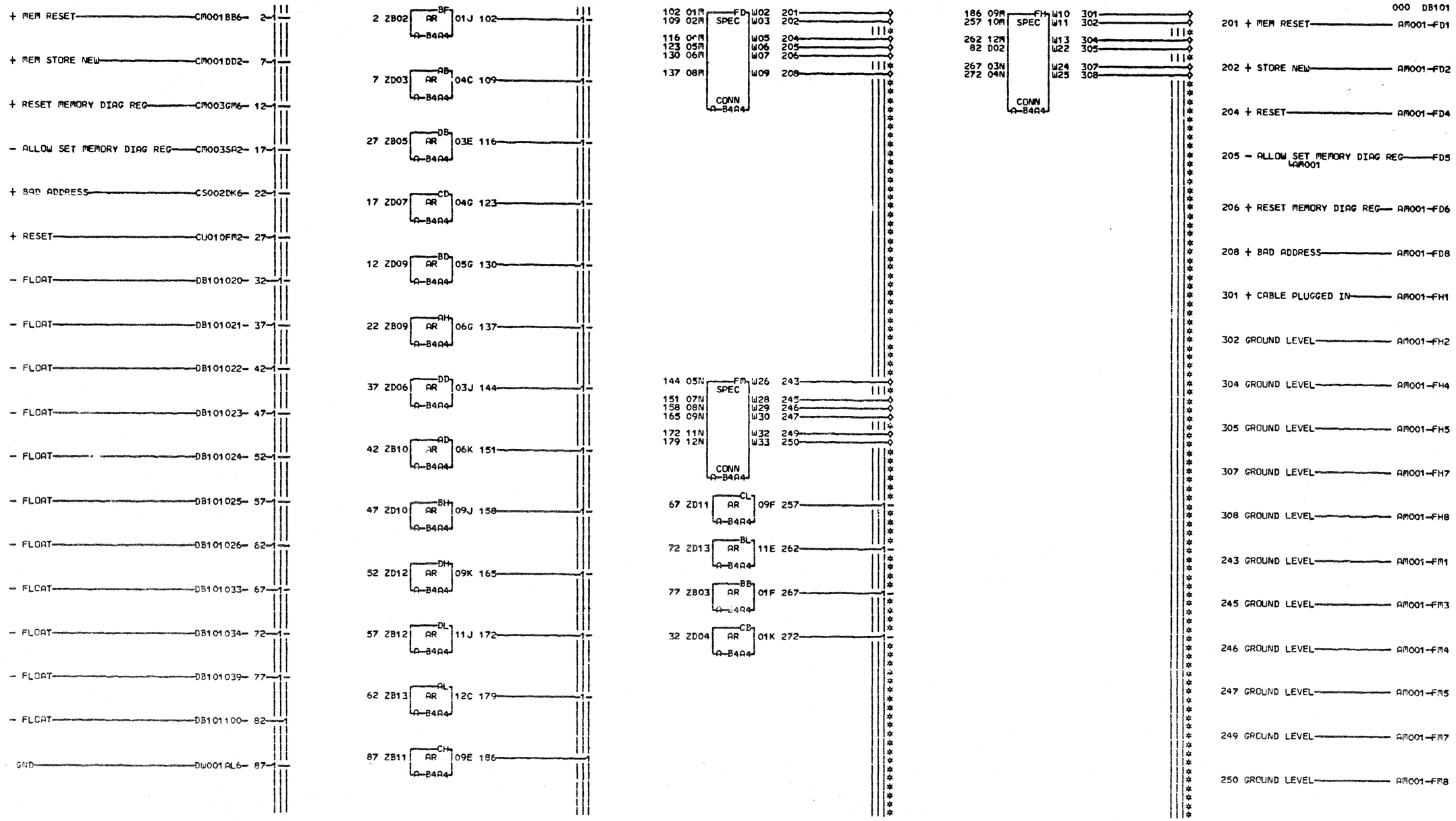
PAGE NUM	SH	TITLE	PART NUM	EC NUM	FEATURE B/M OR B/MS
DJ010		CENTRAL CONTROL	0001859592	344270	.W. 0001862344
DJ011		CENTRAL CONTROL	0001859593	344828	.W. 0001862344
DJ014		CENTRAL CONTROL	0001859594	344270	.W. 0001862344
DJ015		CENTRAL CONTROL	0001859595	344270	.W. 0001862344
DJ016		CENTRAL CONTROL	0001859596	344270	.W. 0001862344
DJ017		CENTRAL CONTROL	0001859597	344270	.W. 0001862344
DK002		CENTRAL CONTROL	0001859598	344270	.W. 0001862344
DK003		CENTRAL CONTROL	0001859599	344270	.W. 0001862344
DK008		CENTRAL CONTROL	0001859600	344270	.W. 0001862344
DK009		CENTRAL CONTROL	0001859601	344270	.W. 0001862344
DK971		CENTRAL CONTROL	0001859602	344828	.W. 0001862344
DK974		CENTRAL CONTROL	0001859603	344270	.W. 0001862344
DK975		CENTRAL CONTROL	0001859604	344270	.W. 0001862344
DK976		CENTRAL CONTROL	0001859605	344270	.W. 0001862344
DK977		CENTRAL CONTROL	0001859606	344270	.W. 0001862344
DL001		CENTRAL CONTROL	0001859607	344828	.W. 0001862344
DL002		CENTRAL CONTROL	0001859608	344270	.W. 0001862344
DL003		CENTRAL CONTROL	0001859609	344270	.W. 0001862344
DL004		CENTRAL CONTROL	0001859610	344270	.W. 0001862344
DL005		CENTRAL CONTROL	0001859611	344270	.W. 0001862344
DL006		CENTRAL CONTROL	0001859612	344270	.W. 0001862344
DL007		CENTRAL CONTROL	0001859613	344270	.W. 0001862344
DL008		CENTRAL CONTROL	0001859614	344270	.W. 0001862344
DL009		CENTRAL CONTROL	0001859615	344270	.W. 0001862344
DL010		CENTRAL CONTROL	0001859616	344270	.W. 0001862344
DM001		CENTRAL CONTROL	0001859617	344828	.W. 0001862344
DM002		CENTRAL CONTROL	0001859618	344828	.W. 0001862344
DM003		CENTRAL CONTROL	0001859619	344270	.W. 0001862344
DM004		CENTRAL CONTROL	0001859620	344270	.W. 0001862344
DM005		CENTRAL CONTROL	0001859621	344270	.W. 0001862344
DM006		CENTRAL CONTROL	0001859622	344270	.W. 0001862344
DM007		CENTRAL CONTROL	0001859623	344270	.W. 0001862344
DM008		CENTRAL CONTROL	0001859624	344270	.W. 0001862344
DM009		CENTRAL CONTROL	0001859625	344270	.W. 0001862344
DM010		CENTRAL CONTROL	0001859626	344270	.W. 0001862344
DN001		CENTRAL CONTROL	0001859627	344270	.W. 0001862344
DN002		CENTRAL CONTROL	0001859628	344270	.W. 0001862344
DN003		CENTRAL CONTROL	0001859629	344270	.W. 0001862344
DN004		CENTRAL CONTROL	0001859630	344270	.W. 0001862344
DN005		CENTRAL CONTROL	0001859631	344270	.W. 0001862344
DP991		CENTRAL CONTROL	0001859632	344270	.W. 0001862344
DP992		CENTRAL CONTROL	0001859633	344270	.W. 0001862344

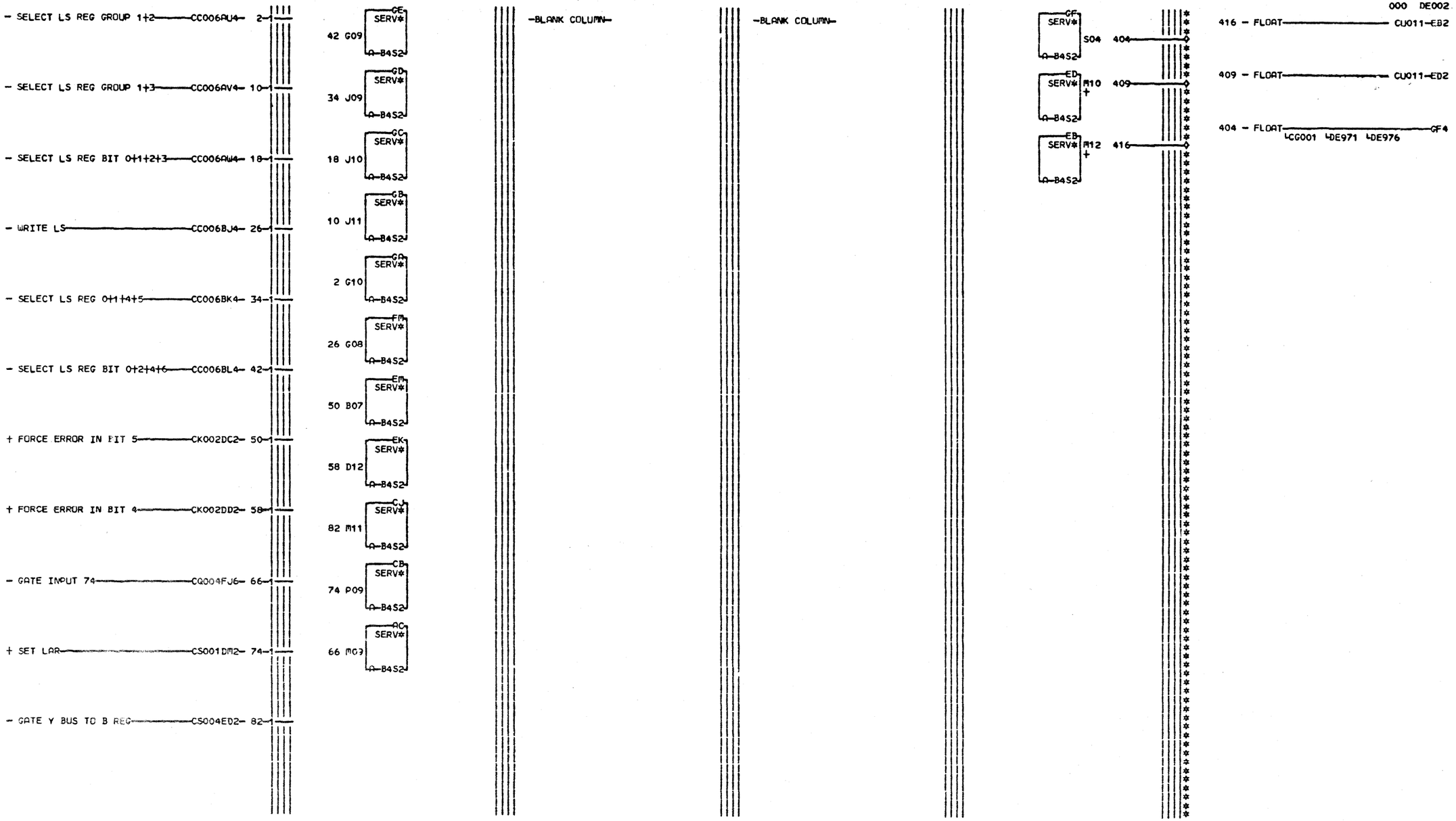
VOLUME 043 MACHINE 3705- -0080232 MODEL M81 SYSTEM 0002904 MODE BOX SHIP 81/12/11

LOGIC TYPE -0- SYSTEMS DIAGRAMS

PAGE NUM	SH	TITLE	PART NUM	EC NUM	FEATURE B/M OR B/MS
DP993		CENTRAL CONTROL	0001859634	344270	.W. 0001862344
DP994		CENTRAL CONTROL	0001859635	344270	.W. 0001862344
DQ001		CENTRAL CONTROL	0001859636	344270	.W. 0001862344
DQ002		CENTRAL CONTROL	0001859637	344270	.W. 0001862344
DQ003		CENTRAL CONTROL	0001859638	344270	.W. 0001862344
DQ004		CENTRAL CONTROL	0001859639	344270	.W. 0001862344
DR991		CENTRAL CONTROL	0001859640	344270	.W. 0001862344
DR992		CENTRAL CONTROL	0001859641	344270	.W. 0001862344
DR993		CENTRAL CONTROL	0001986952	344270	.W. 0001862344
DR994		CENTRAL CONTROL	0001986953	344270	.W. 0001862344
DS001		CENTRAL CONTROL	0001986954	344270	.W. 0001862344
DS002		CENTRAL CONTROL	0001986955	344270	.W. 0001862344
DS003		CENTRAL CONTROL	0001986956	344270	.W. 0001862344
DS004		CENTRAL CONTROL	0001986957	344270	.W. 0001862344
DS005		CENTRAL CONTROL	0001986958	344270	.W. 0001862344
DT001		CENTRAL CONTROL	0001986959	344270	.W. 0001862344
DU001		CENTRAL CONTROL	0001986960	344270	.W. 0001862344
DV001		CENTRAL CONTROL	0001986961	344270	.W. 0001862344
DW001		CENTRAL CONTROL	0001986962	344828	.W. 0001862344
DY001		CENTRAL CONTROL	0001986963	344270	.W. 0001862344
DZ001		CENTRAL CONTROL	0001986966	344270	.W. 0001862344
DZ002		CENTRAL CONTROL	0001986967	344828	.W. 0001862344
DZ002A		CENTRAL CONTROL	0004499514	344828	.W. 0001862344

TOTAL PART NUMBERS THIS VOLUME 107


+ MEM RESET — CM001BB6 — 2
+ MEM STORE NEW — CM001DD2 — 7
+ RESET MEMORY DIAG REG — CM003GM6 — 12
- ALLOW SET MEMORY DIAG REG — CM003SA2 — 17
+ BAD ADDRESS — CS002DK6 — 22
+ RESET — CU010FM2 — 27
- FLOAT — DB101020 — 32
- FLOAT — DB101021 — 37
- FLOAT — DB101022 — 42
- FLOAT — DB101023 — 47
- FLOAT — DB101024 — 52
- FLOAT — DB101025 — 57
- FLOAT — DB101026 — 62
- FLOAT — DB101033 — 67
- FLOAT — DB101034 — 72
- FLOAT — DB101039 — 77
- FLOAT — DB101100 — 82
GND — DW001AL6 — 87
2 ZB02 BF AR B4A4 01J 102
7 ZD03 AB AR B4A4 04C 109
27 ZB05 DB AR B4A4 03E 116
17 ZD07 CD AR B4A4 04G 123
12 ZD09 BD AR B4A4 05G 130
22 ZB09 AH AR B4A4 06G 137
37 ZD06 DD AR B4A4 03J 144
42 ZB10 AD AR B4A4 06K 151
47 ZD10 BH AR B4A4 09J 158
52 ZD12 DH AR B4A4 09K 165
57 ZB12 DL AR B4A4 11J 172
62 ZB13 AL AR B4A4 12C 179
87 ZB11 CH AR B4A4 09E 186
102 01M 109 02M 116 04M 123 05M 130 06M 137 08M FD SPEC CONN B4A4 W02 201 W03 202 W05 204 W06 205 W07 206 W09 208
144 05N 151 07N 158 08N 165 09N 172 11N 179 12N FM SPEC CONN B4A4 W26 243 W28 245 W29 246 W30 247 W32 249 W33 250
67 ZD11 CL AR B4A4 09F 257
72 ZD13 BL AR B4A4 11E 262
77 ZB03 BB AR B4A4 01F 267
32 ZD04 CB AR B4A4 01K 272
186 09M 257 10M 262 12M 82 D02 267 03N 272 04N FH SPEC CONN B4A4 W10 301 W11 302 W13 304 W22 305 W24 307 W25 308
000 DB101
201 + MEM RESET — AM001-FD1
202 + STORE NEW — AM001-FD2
204 + RESET — AM001-FD4
205 - ALLOW SET MEMORY DIAG REG — AM001-FD5
206 + RESET MEMORY DIAG REG — AM001-FD6
208 + BAD ADDRESS — AM001-FD8
301 + CABLE PLUGGED IN — AM001-FH1
302 GROUND LEVEL — AM001-FH2
304 GROUND LEVEL — AM001-FH4
305 GROUND LEVEL — AM001-FH5
307 GROUND LEVEL — AM001-FH7
308 GROUND LEVEL — AM001-FH8
243 GROUND LEVEL — AM001-FM1
245 GROUND LEVEL — AM001-FM3
246 GROUND LEVEL — AM001-FM4
247 GROUND LEVEL — AM001-FM5
249 GROUND LEVEL — AM001-FM7
250 GROUND LEVEL — AM001-FM8
LOC. TYPE
A-B4A4 6797
DB101
000
MEMORY CONTROL CABLE
E.C.-HISTORY — E. MACH. 3705
FRAME 01
IBM CORP. SCD DB101
DATE LAST EC
10-14-80 344270
P.N. 1852861 000



LOC. TYPE

DE002
000

SERV WIRING
E.C. HISTORY E. FACH. 3705
FRAME 01
IBM CORP. SCD DE002
DATE LAST EC P.N. 1852862 000
10-14-80 344270

+ SET DR1 ——— CS007FC6 — 2

+ SET DR2 ——— CS007FD6 — 12

– GATE DISP REG 1 TO IND ——— CU001EK6 — 22

– GATE DISPL REG 2 TO IND ——— CU001EL6 — 32

– GATE TAR TO IND ——— CU001EM6 — 42

BM SERV* A–B4S2
32 S12

BK SERV* A–B4S2
12 S11

BH SERV* A–B4S2
2 U11

BE SERV* A–B4S2
42 S13

BC SERV* A–B4S2
22 S10

–BLANK COLUMN–

–BLANK COLUMN–

DH SERV* A–B4S2 U13 402

DC SERV* A–B4S2 U10 409

409 – FLOAT ——— AP011–DC2

402 – FLOAT ——— AP011–DH2

LOC. TYPE

SERV WIRING
E.C. HISTORY E. MACH. 3705
FRAME 01
IBM CORP. SCD DE003
DATE LAST EC P.N. 1852863 000
10–14–80 344270

+ ALU AND CONTROL BYTE X——CA004BA2— 2

+ ALU OR CONTROL BYTE X——CA004EE6— 12

+ ALU ADD CONTROL BYTE X——CA004EH6— 22

2 D10 CN SERV# A—B4S2

12 D09 CK SERV# A—B4S2

22 D07 CJ SERV# A—B4S2

LOC. TYPE

SERV WIRING

—E.C.—HISTORY——E. MACH.3705

FRAME 01

IBM CORP.SCD | DE008

DATE LAST EC | P.N. 1852864 | 000

10-14-80 344270

GROUND LEVEL — AAC05DB2 — 2
GROUND LEVEL — AA005DB4 — 9
+ TIE UP — AU001GF4 — 16
- GATE ADBUS TO Y BUS — CS004CA6 — 23
- GATE CCU INDATA TO Y BUS — CS004DB2 — 30
- GATE INBUS TO Y BUS — CS004FG2 — 37
- GATE TAR TO Y BUS — CS004FJ2 — 44
+ SET TAR — CS007CH2 — 51
+ SET SAR — CS007EB2 — 58
- FLOAT — CU011DQ4 — 65
- FLOAT — CU011DR4 — 72
- FLOAT — DE002GF4 — 79

EC SERV* 58 M13 A-B4S2
CM SERV* 30 P10 A-B4S2
CK SERV* 37 U05 A-B4S2
CJ SERV* 2 P13 A-B4S2
CH SERV* 65 M12 A-B4S2
CE SERV* 9 S09 A-B4S2
CD SERV* 16 M08 A-B4S2
CA SERV* 16 U07 A-B4S2
BL SERV* 44 S03 A-B4S2
BC SERV* 23 U06 A-B4S2
BA SERV* 79 S07 A-B4S2
AL SERV* 72 M10 A-B4S2
AC SERV* 51 S05 A-B4S2

-BLANK COLUMN-

-BLANK COLUMN-

EL SERV* U02 A-B4S2 — 402
EQ SERV* U03 A-B4S2 — 409

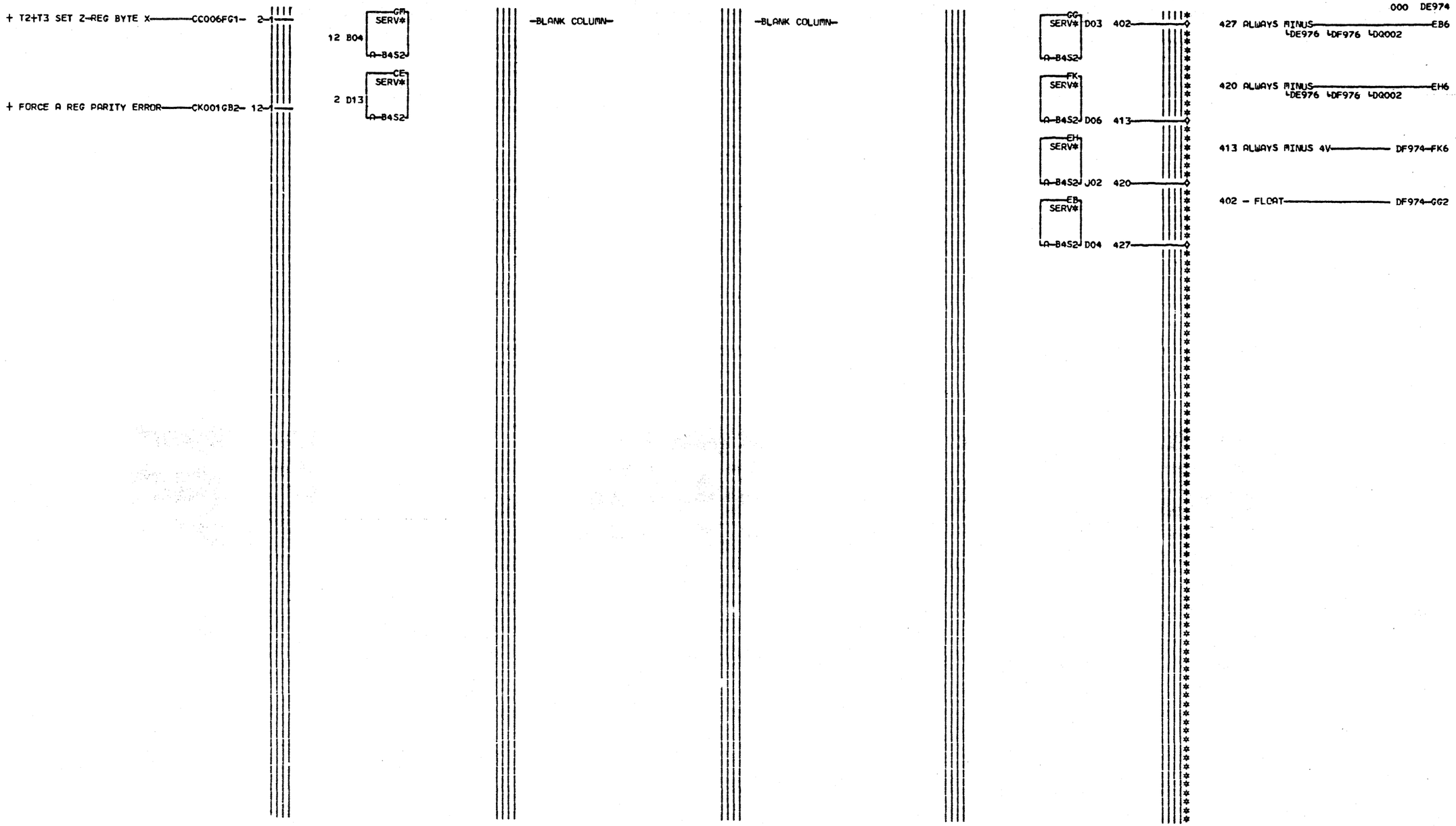
409 - FLOAT — EG2
LCG001 LCM002 LCM003

402 - FLOAT — EL2
LCG001 LCM002 LCM003

LOC. TYPE

DE971
000

SERV WIRING
E.C. HISTORY — E. MACH.3705
344270
FRAME 01
DATE LAST EC
06-02-81 344828
IBM CORP.SCD | DE971
P.N. 1852865 | 000



DE974
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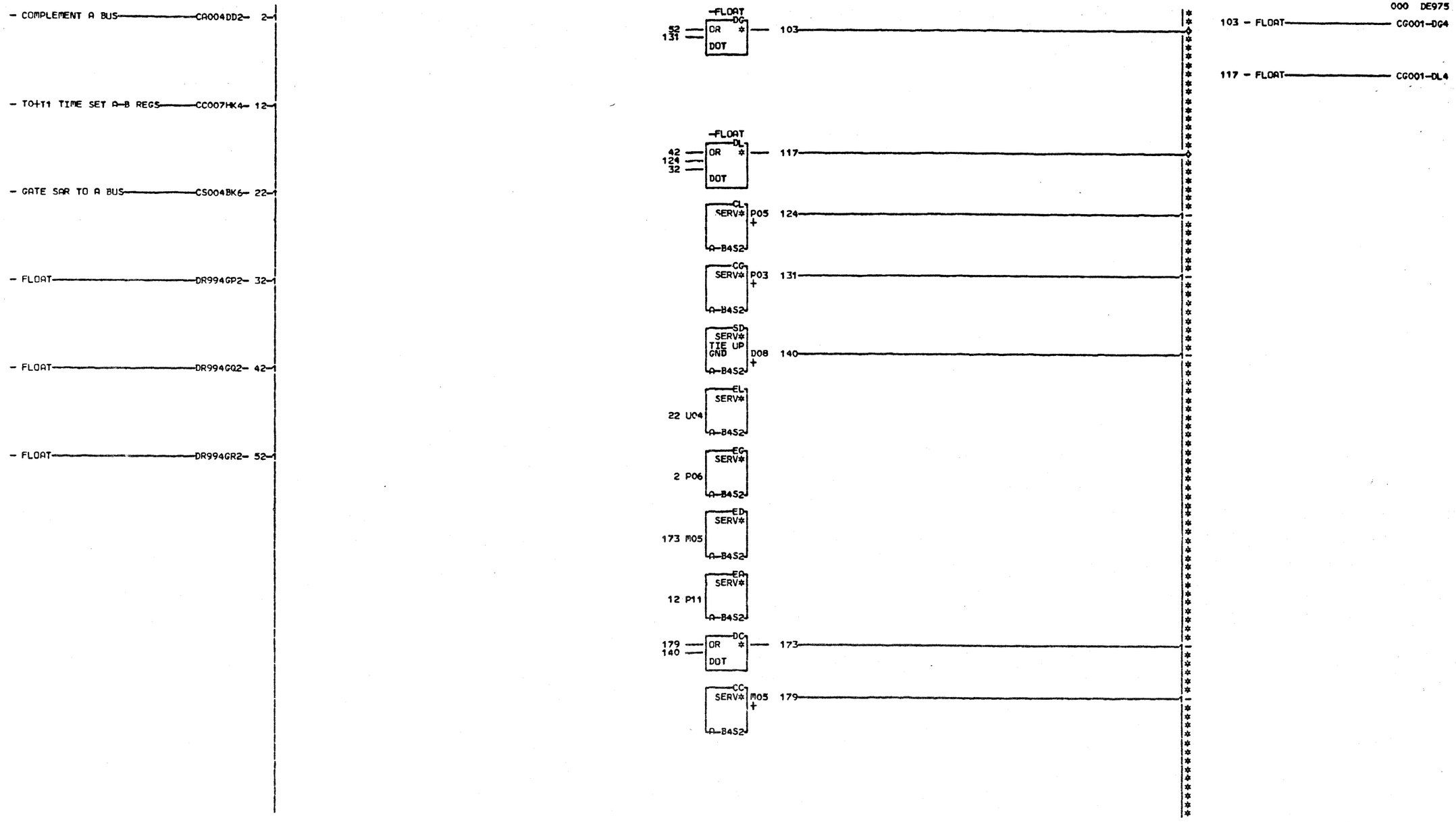
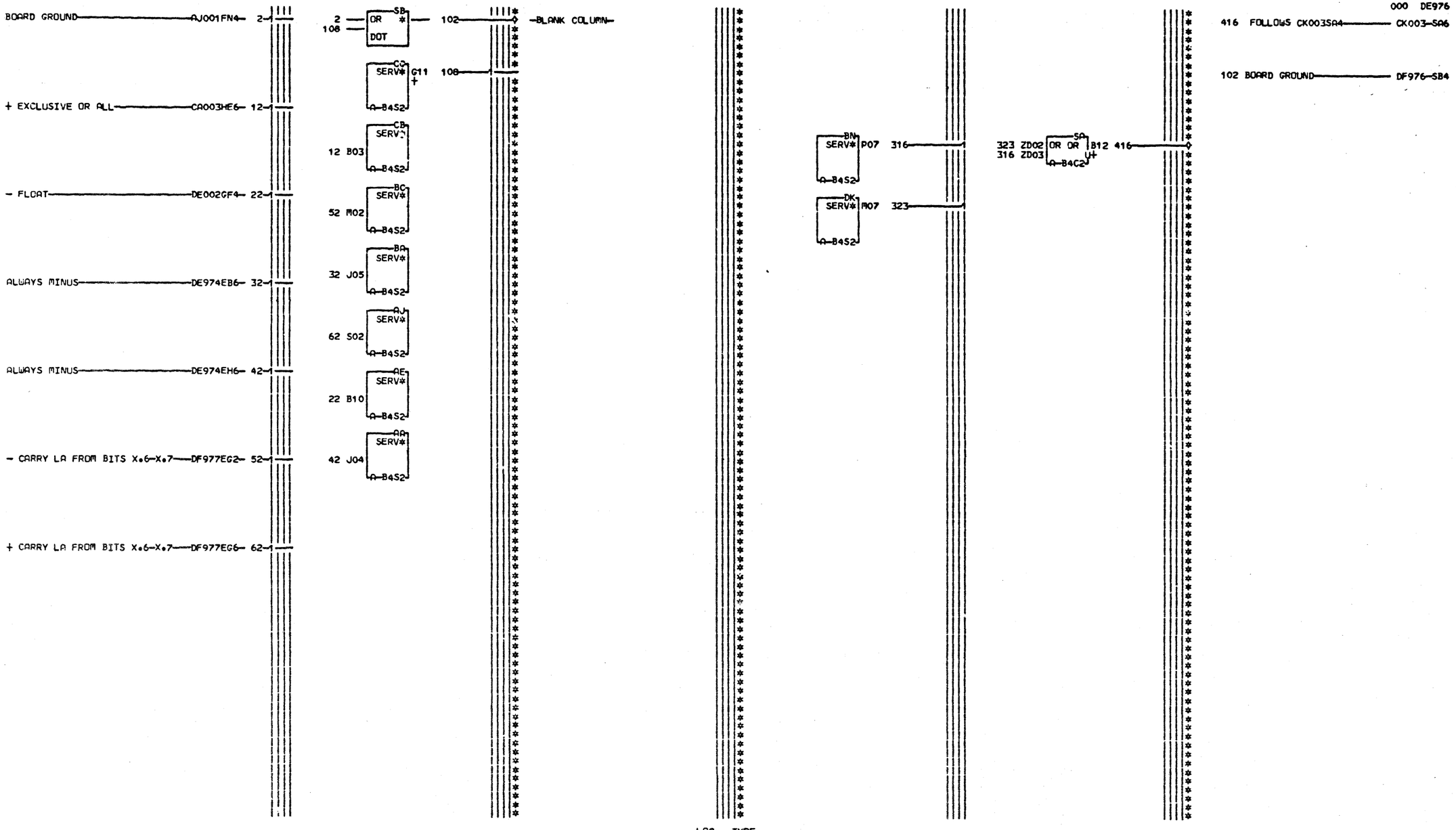
SERV WIRING
E.C.-HISTORY
E.C.
MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1852866
DE974
000
DATE LAST EC
10-14-80 344270


- COMPLEMENT A BUS CA004DD2- 2
- TO+T1 TIME SET A-B REGS CC007HK4- 12
- GATE SAR TO A BUS CS004BK6- 22
- FLOAT DR994GP2- 32
- FLOAT DR994GQ2- 42
- FLOAT DR994GR2- 52
-FLOAT DG
52
131
OR *
DOT
103
-FLOAT DL
42
124
32
OR *
DOT
117
CL
SERV*
P05
+
A-B4S2
124
CG
SERV*
P03
+
A-B4S2
131
SD
SERV*
TIE UP
GND
D08
+
A-B4S2
140
EL
SERV*
22 U04
A-B4S2
EG
SERV*
2 P06
A-B4S2
ED
SERV*
173 M05
A-B4S2
EA
SERV*
12 P11
A-B4S2
179
140
OR *
DOT
DC
173
CC
SERV*
M05
+
A-B4S2
179
000 DE975
103 - FLOAT CG001-DG4
117 - FLOAT CG001-DL4
LOC. TYPE
DE975
000
SERV WIRING
E.C. HISTORY E.
MACH. 3705
FRAME 01
IBM CORP. SCD DE975
DATE LAST EC
10-14-80 344270
P.N. 1852867 000



DE976
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SERV WIRING
E.C. HISTORY E.C.
MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1852868
DE976
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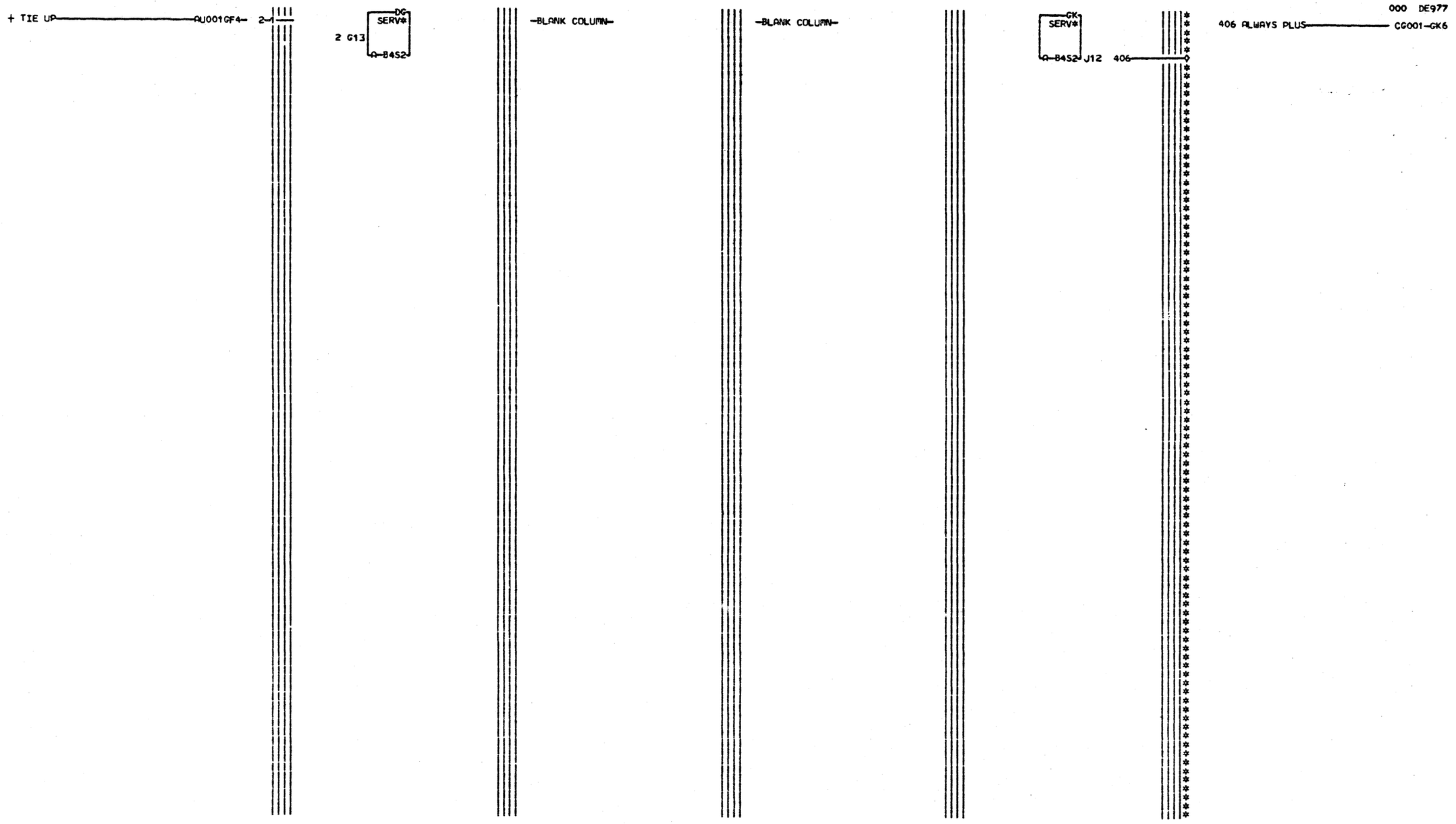
DATE	LAST EC
10-14-80	344270



DE977
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SERV WIRING
E.C. HISTORY
E. MACH. 3705
FRAME 01
IBM CORP. SCD
DE977
DATE LAST EC
10-14-80 344270
P.N. 1852869
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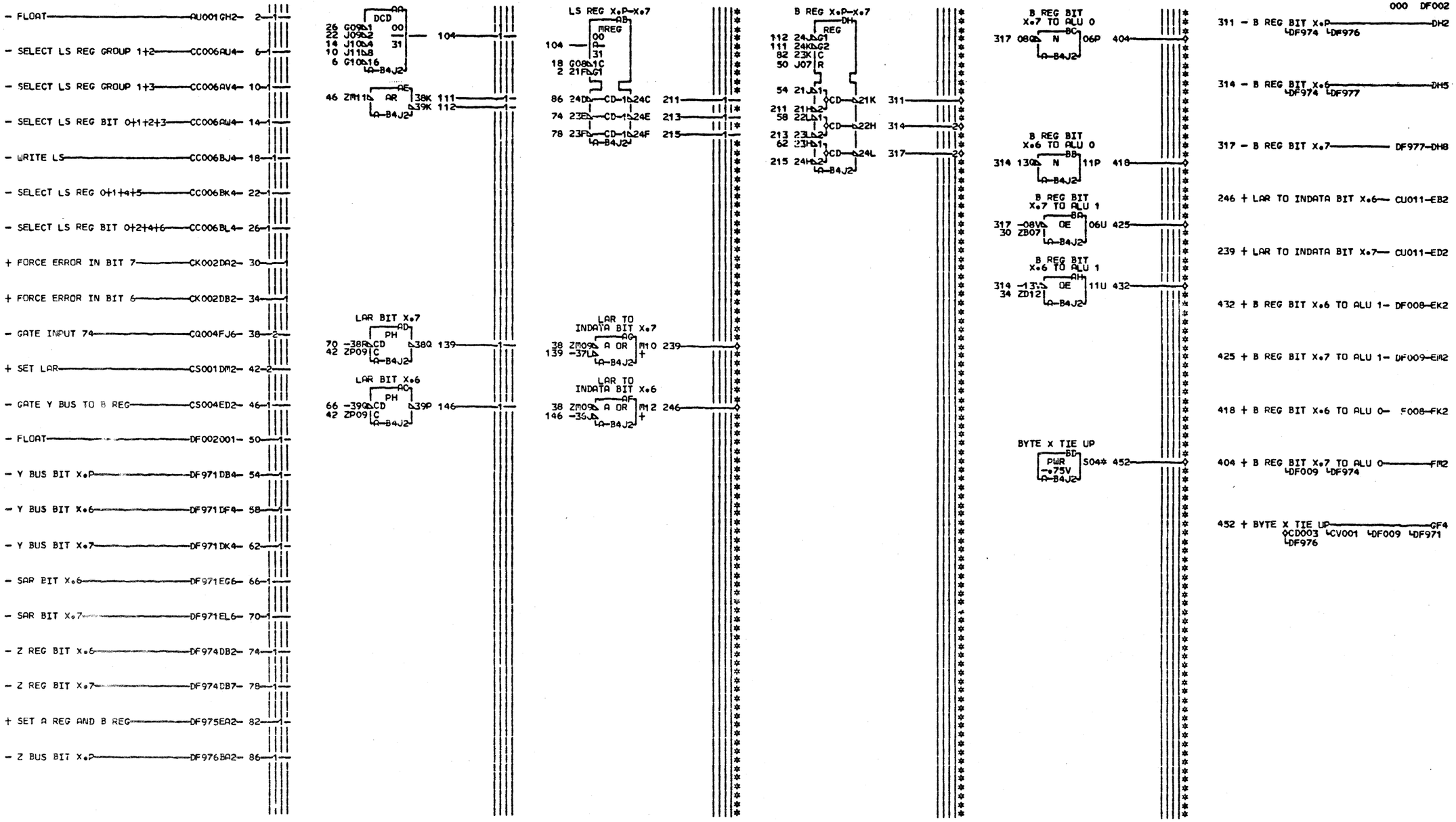
- FLOAT AU001GH2- 2
- SELECT LS REG GROUP 1+2 CC006AU4- 6
- SELECT LS REG GROUP 1+3 CC006AV4- 10
- SELECT LS REG BIT 0+1+2+3 CC006AW4- 14
- WRITE LS CC006BJ4- 18
- SELECT LS REG 0+1+4+5 CC006BK4- 22
- SELECT LS REG BIT 0+2+4+6 CC006BL4- 26
+ FORCE ERROR IN BIT 7 CK002DA2- 30
+ FORCE ERROR IN BIT 6 CK002DB2- 34
- GATE INPUT 74 CQ004FJ6- 38
+ SET LAR CS001DM2- 42
- GATE Y BUS TO B REG CS004ED2- 46
- FLOAT DF002001- 50
- Y BUS BIT X.P DF971DB4- 54
- Y BUS BIT X.6 DF971DF4- 58
- Y BUS BIT X.7 DF971DK4- 62
- SAR BIT X.6 DF971EG6- 66
- SAR BIT X.7 DF971EL6- 70
- Z REG BIT X.6 DF974DB2- 74
- Z REG BIT X.7 DF974DB7- 78
+ SET A REG AND B REG DF975EA2- 82
- Z BUS BIT X.P DF976BA2- 86
EDGE CONN.
452 A-B4C6C02
01A-B3C1C11
DCD
104
MREG
LS REG X.P-X.7
211
213
215
LAR BIT X.7
139
LAR BIT X.6
146
LAR TO INDATA BIT X.7
239
LAR TO INDATA BIT X.6
246
LOC. TYPE
A-B4J2 6801
REG
B REG X.P-X.7
311
314
317
B REG BIT X.7 TO ALU 0
404
B REG BIT X.6 TO ALU 0
418
B REG BIT X.7 TO ALU 1
425
B REG BIT X.6 TO ALU 1
432
BYTE X TIE UP
452
000 DF002
311 - B REG BIT X.P DH2
DF974 DF976
314 - B REG BIT X.6 DH5
DF974 DF977
317 - B REG BIT X.7 DF977-DH8
246 + LAR TO INDATA BIT X.6 CU011-EB2
239 + LAR TO INDATA BIT X.7 CU011-ED2
432 + B REG BIT X.6 TO ALU 1 DF008-EK2
425 + B REG BIT X.7 TO ALU 1 DF009-EM2
418 + B REG BIT X.6 TO ALU 0 F008-FK2
404 + B REG BIT X.7 TO ALU 0 FM2
DF009 DF974
452 + BYTE X TIE UP GF4
CD003 CV001 DF009 DF971
DF976
B REG LAR AND LOCAL STORE
BITS X.P X.6 X.7
E.C. HISTORY E. RACH.3705
FRAME 01
IBM CORP.SCD DF002
DATE LAST EC
10-14-80 344270
P.N. 1852870 000
DF002
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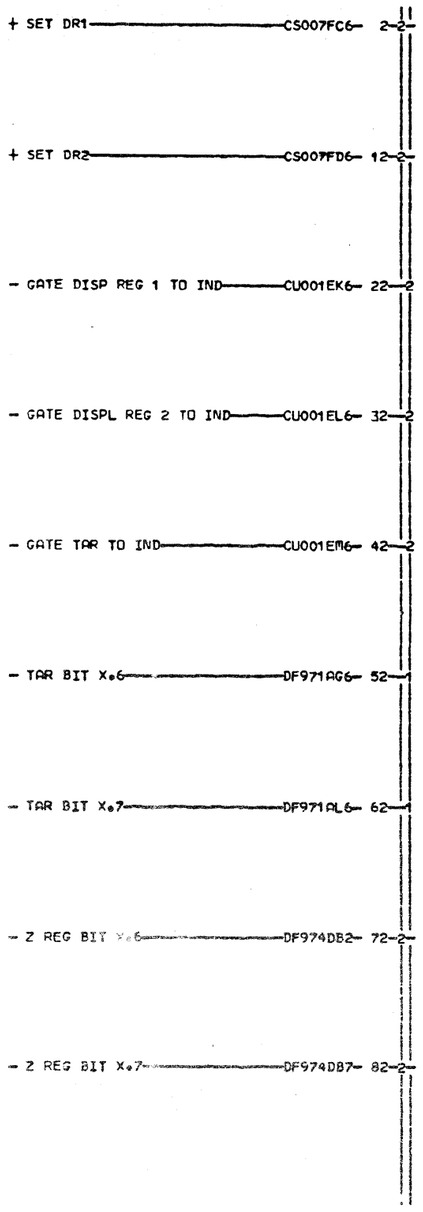
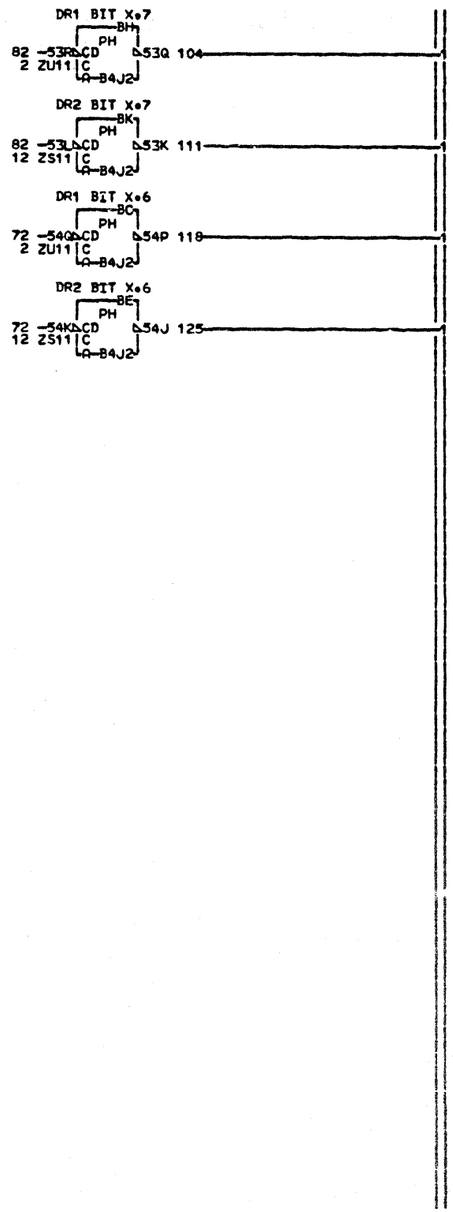
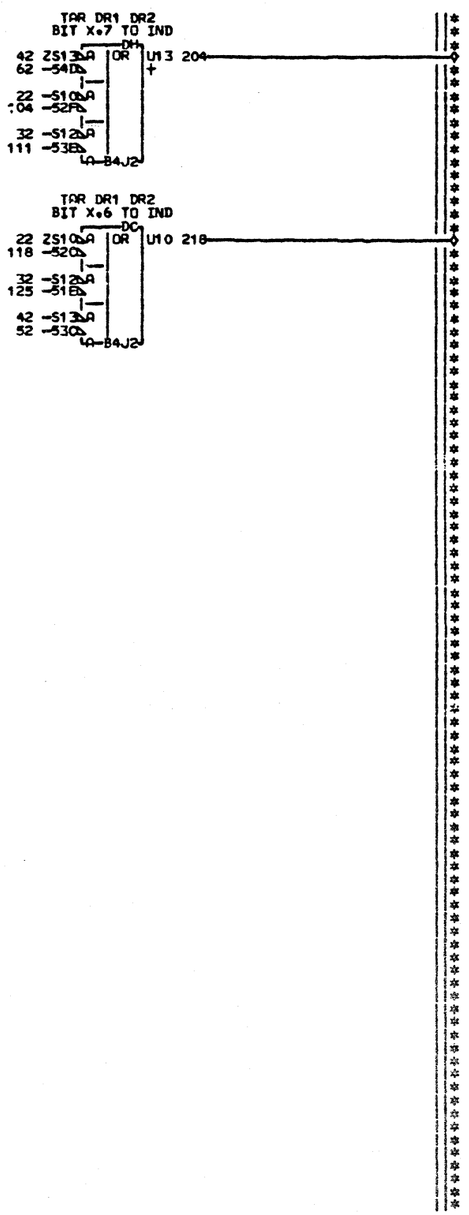






000 DF003

218 + TAR DR1 DR2 BIT X.6 TO IND——DC2
LAP011

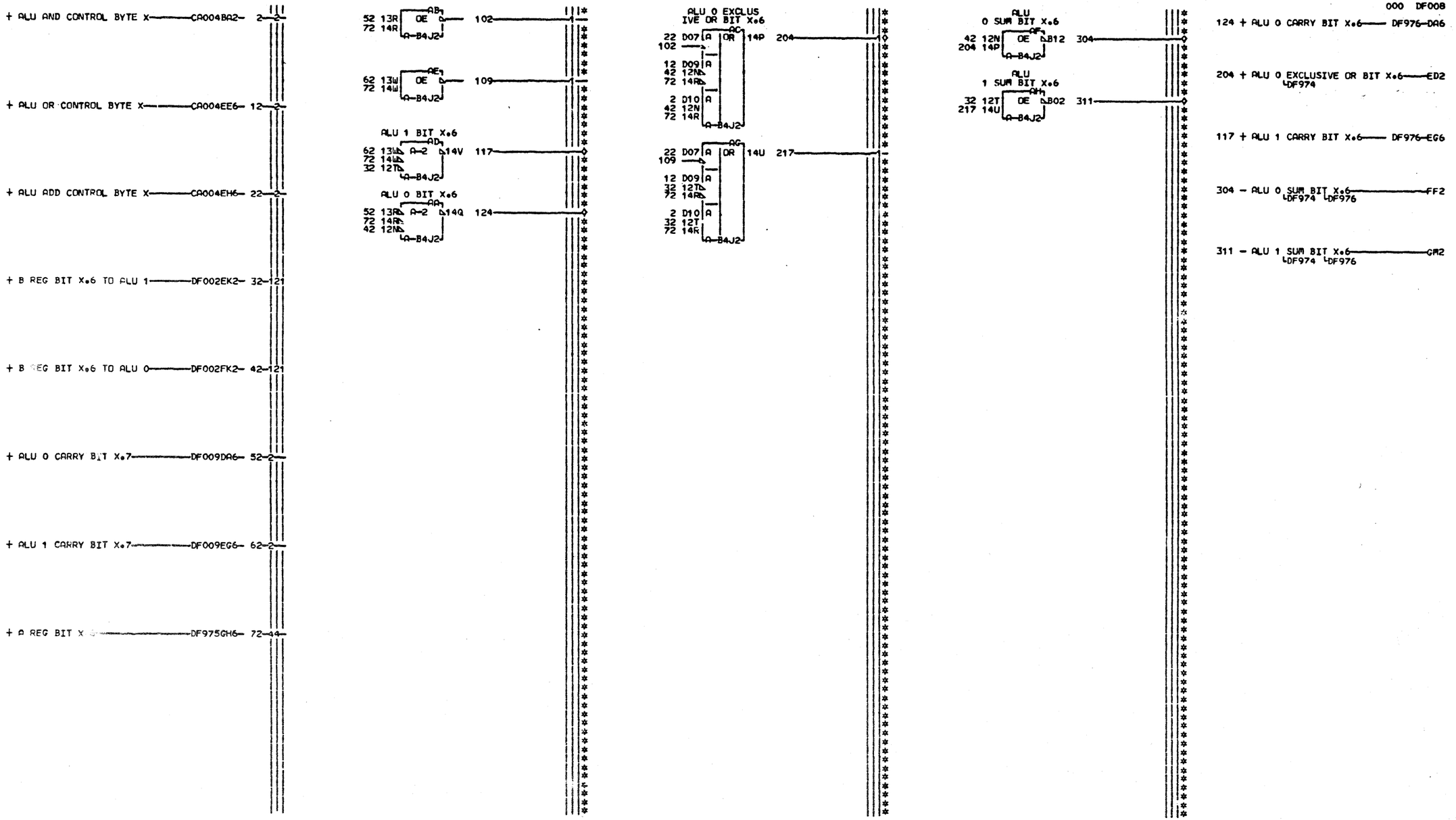
204 + TAR DR1 DR2 BIT X.7 TO IND——DH2
LAP011

LOC. TYPE
A-B4J2 6801

DF003
000

CCU DISPLAY REGISTERS 1 AND 2
BITS X.6 AND X.7
E.C.-HISTORY——E. MACH.3705

DATE	LAST EC		
10-14-80	344270	FRAME 01	
		IBM CORP.SCD	DF003
		P.N. 1852871	000



LOC. TYPE
A-B4J2 6801

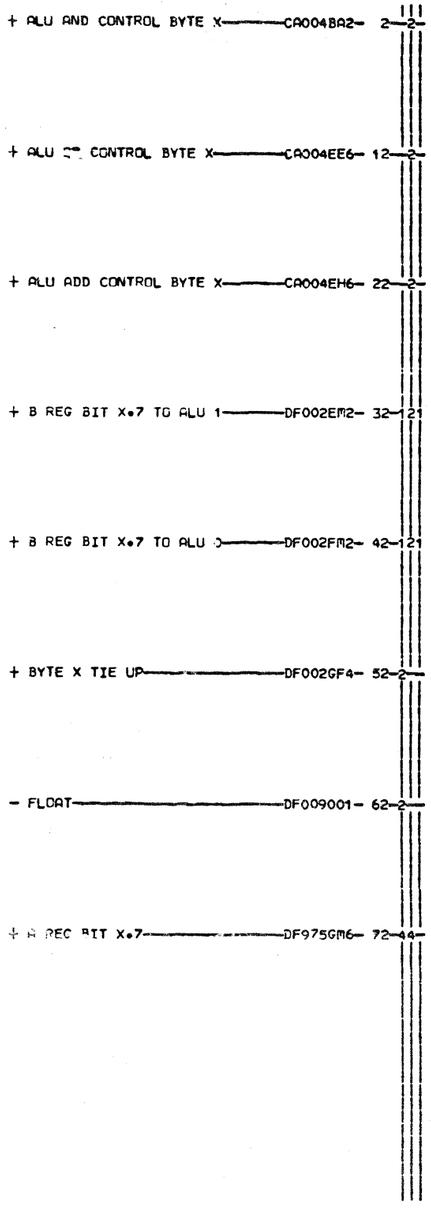
DF008
000

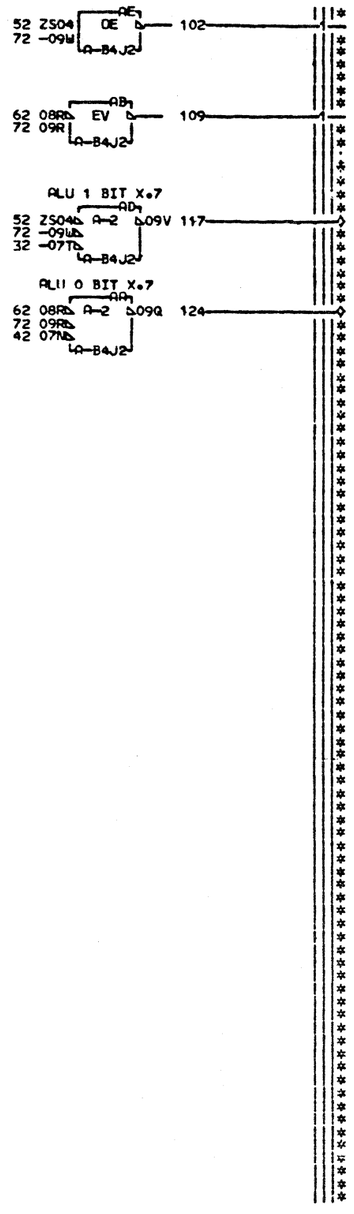
ALU 0 AND ALU 1
BIT X.6
E.C. HISTORY

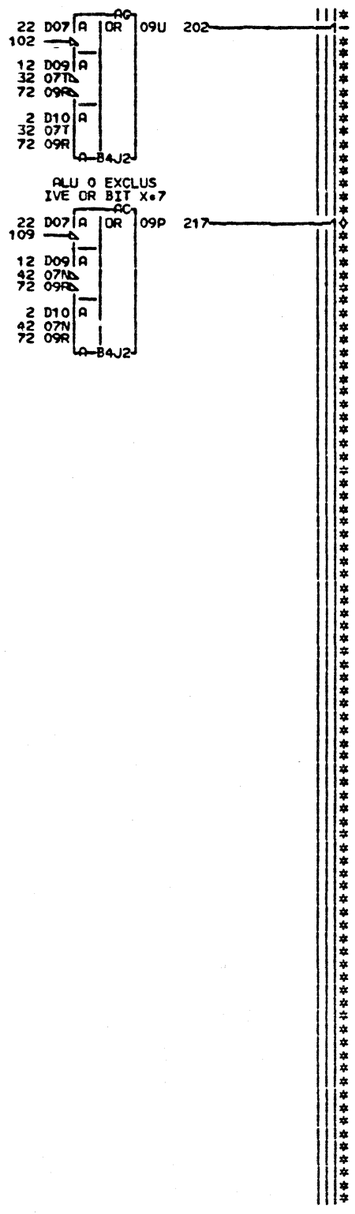
MACH.3705
FRAME 01
IBM CORP.SCD
P.No. 1852872

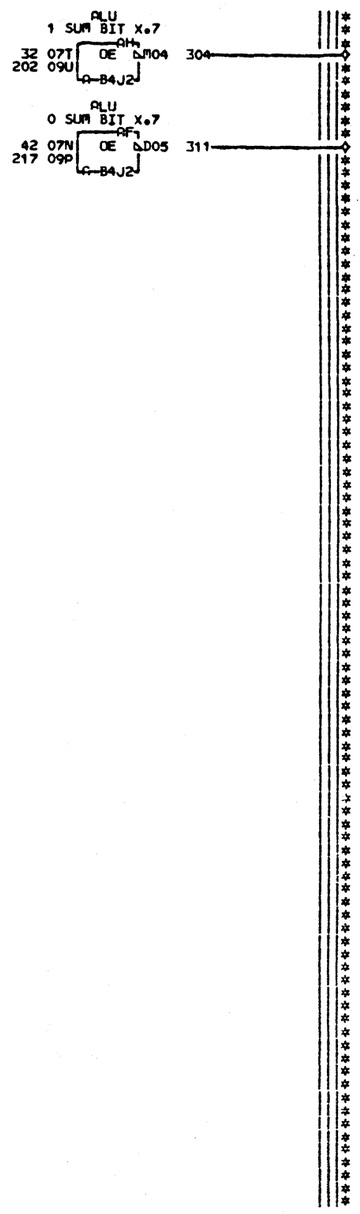
DATE LAST EC
10-14-80 344270

DF008
000









000 DF009

124 + ALU 0 CARRY BIT X.7 — DF008-DA6

217 + ALU 0 EXCLUSIVE OR BIT X.7 — ED2
DF974

117 + ALU 1 CARRY BIT X.7 — DF008-EG6

311 - ALU 0 SUM BIT X.7 — FF2
DF974 DF976

304 - ALU 1 SUM BIT X.7 — GM2
DF974 DF976

LOC. TYPE
B4J2 6801

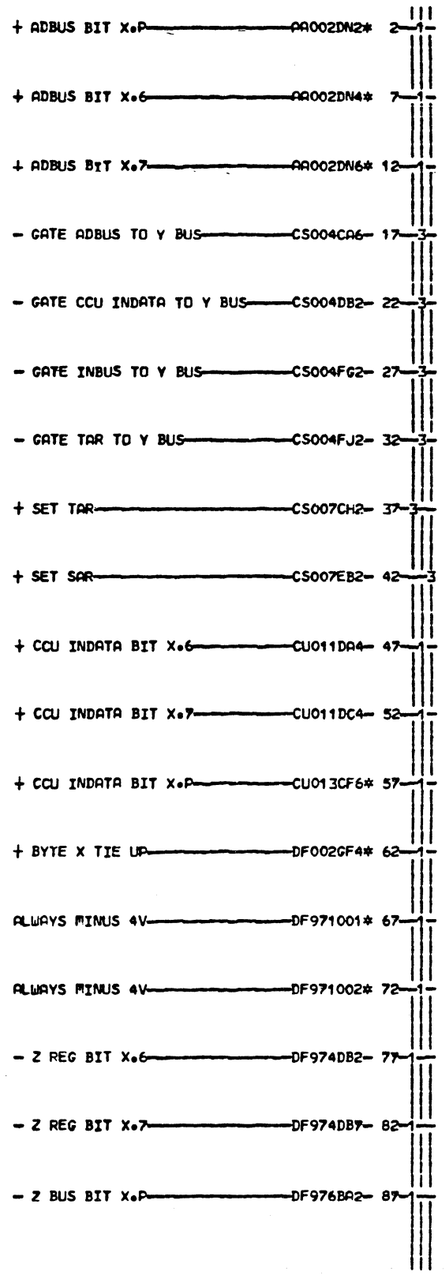
DF009
000

ALU 0 AND ALU 1
BIT X.7
E.C. HISTORY

MACH. 3705
FRAME 01
IBM CORP. SCD
P.N. 1852873

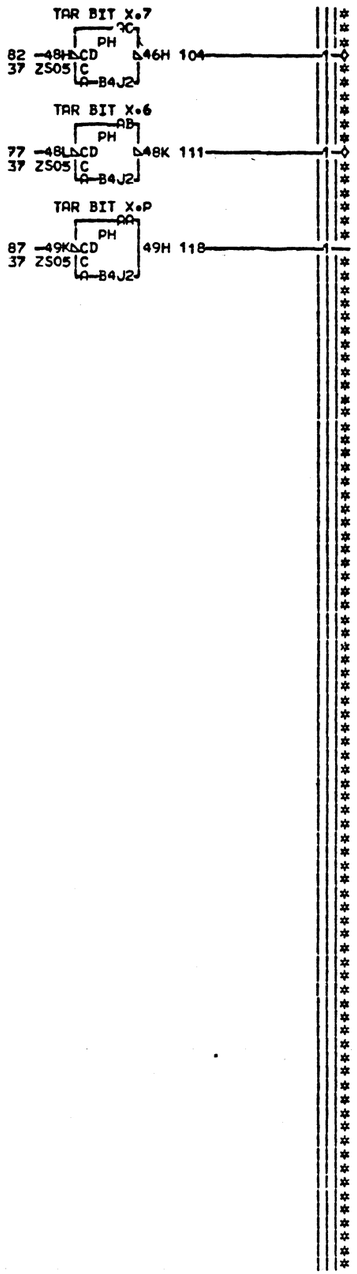
DATE LAST EC
10-14-80 344270

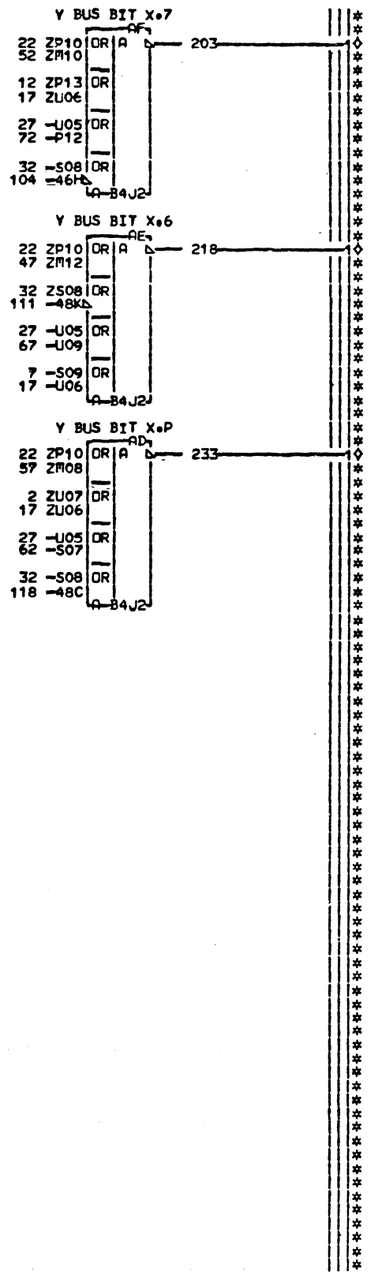
DF009
000



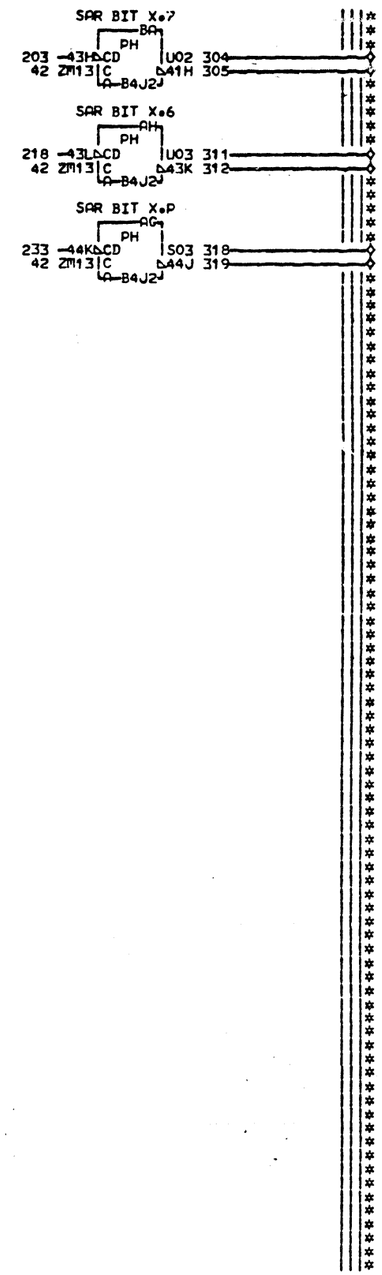
EDGE CONN•
2 RESISTOR A—B4J2U07
7 RESISTOR A—B4J2S09
12 RESISTOR A—B4J2P13
57 RESISTOR A—B4J2M08
62 RESISTOR A—B4J2S07
67 RESISTOR A—B4J2U09
72 RESISTOR A—B4J2P12

DF971
000





LOC• TYPE
A—B4J2 6801



000 DF971

111 — TAR BIT X•6 — DF003—AG6

104 — TAR BIT X•7 — DF003—AL6

233 — Y BUS BIT X•P — DF002—DB4

218 — Y BUS BIT X•6 — DF002—DF4

203 — Y BUS BIT X•7 — DF002—DK4

318 + SAR BIT X•P — CM003—EC2

319 — SAR BIT X•P — DF975—EC6

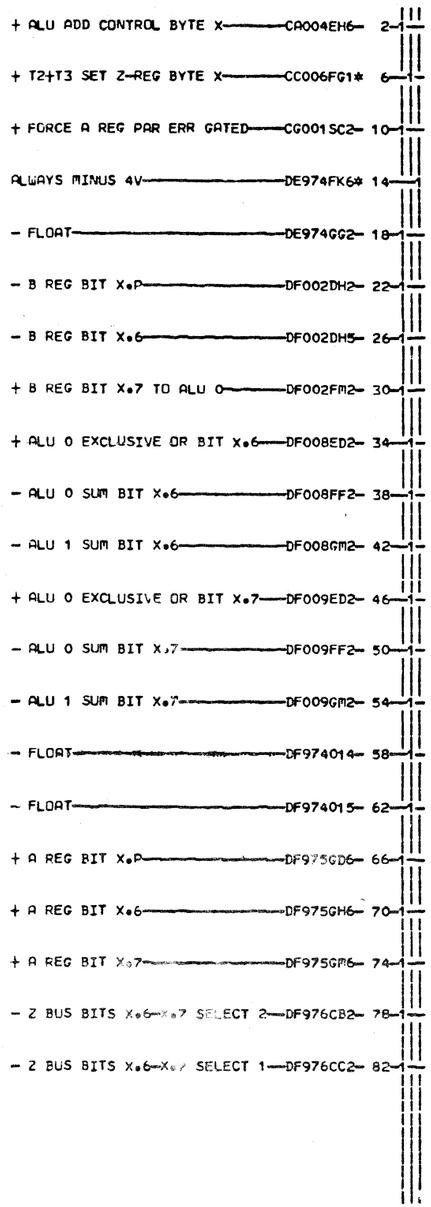
311 + SAR BIT X•6 — EG2
◇CM002 ↳CV001 ↳DS001 ↳DT001
↳DU001 ↳DV001

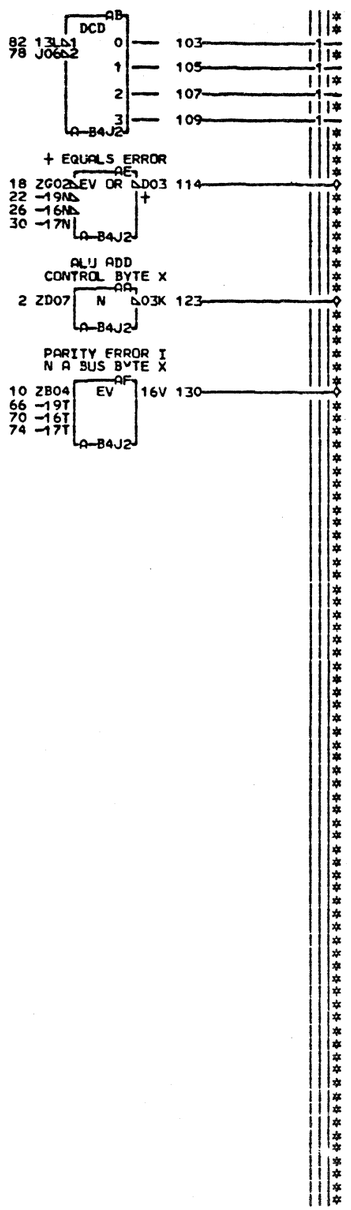
312 — SAR BIT X•6 — EG6
↳DF002 ↳DF975

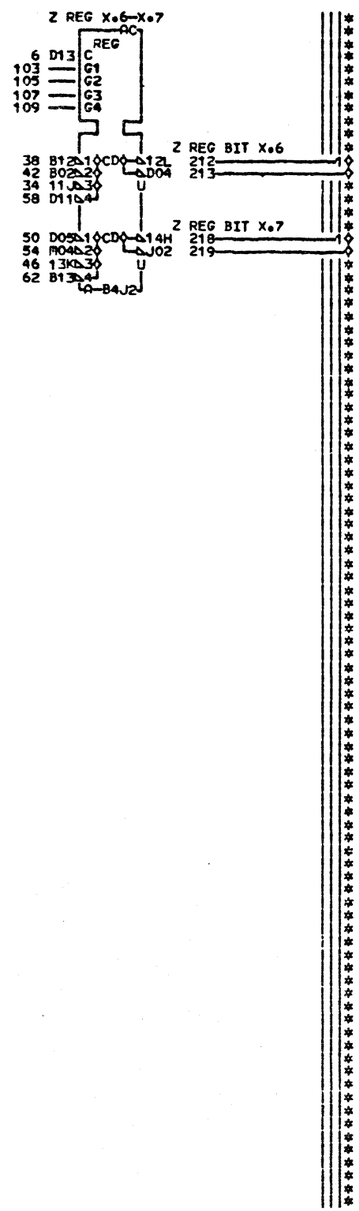
304 + SAR BIT X•7 — EL2
◇CM002 ↳CV001 ↳DS001 ↳DT001
↳DU001 ↳DV001

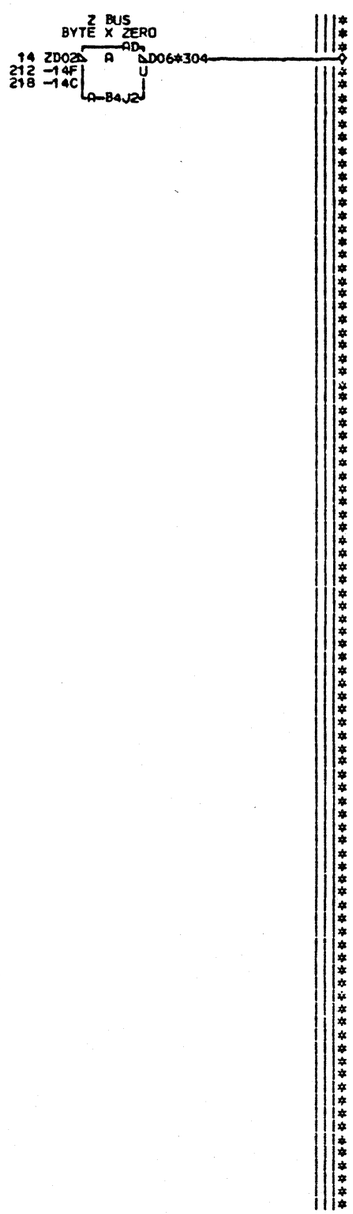
305 — SAR BIT X•7 — EL6
↳DF002 ↳DF975

SAR TAR AND Y BUS ASSEMBLER
BITS X•P—X•7
E•C• HISTORY — MACH•3705
344270
FRAME 01
IBM CORP•SCD DF971
DATE LAST EC
06—02—81 344828
P•N• 1852874 000









000 DF974

123 — ALU ADD CONTROL BYTE X— DF976—AC2

212 — Z REG BIT X•6 — DB2
LDF002 LDF003 LDF971

218 — Z REG BIT X•7 — DB7
LDF002 LDF003 LDF971

213 — Z BUS BIT X•6 — EB6
LDF976 LDR991

219 — Z BUS BIT X•7 — EH6
LDF976 LDR992

304 — Z BUS BYTE X ZERO — CZ001—FK6

114 + B REG BYTE X EVEN PARITY — GG2
LCK003

130 + PARITY ERROR IN A BUS BYTE X—GM2
LDF976

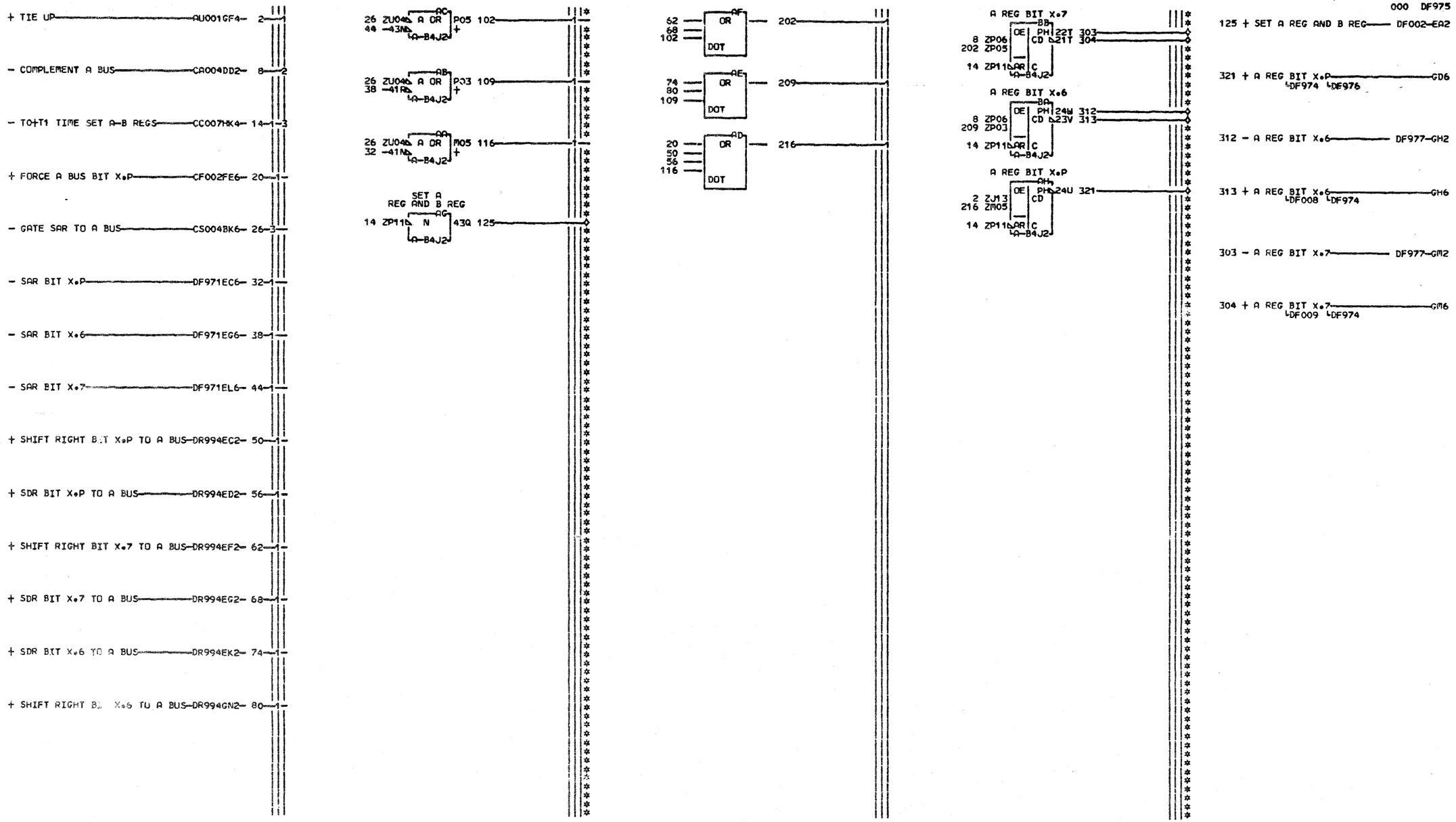
EDGE CONN•
6 RESISTOR A-B4J2D13
14 RESISTOR A-B4J2D02
304 RESISTOR A-B3G2B09
01A-B4L6D02
01A-B3L1D11

LOC• TYPE
A-B3G2 Y702
A-B4J2 6801

DF974
000

ALU 0 ALU 1 AND Z REG BITS X•P-X•6
—E•C•—HISTORY— E MACH•3705

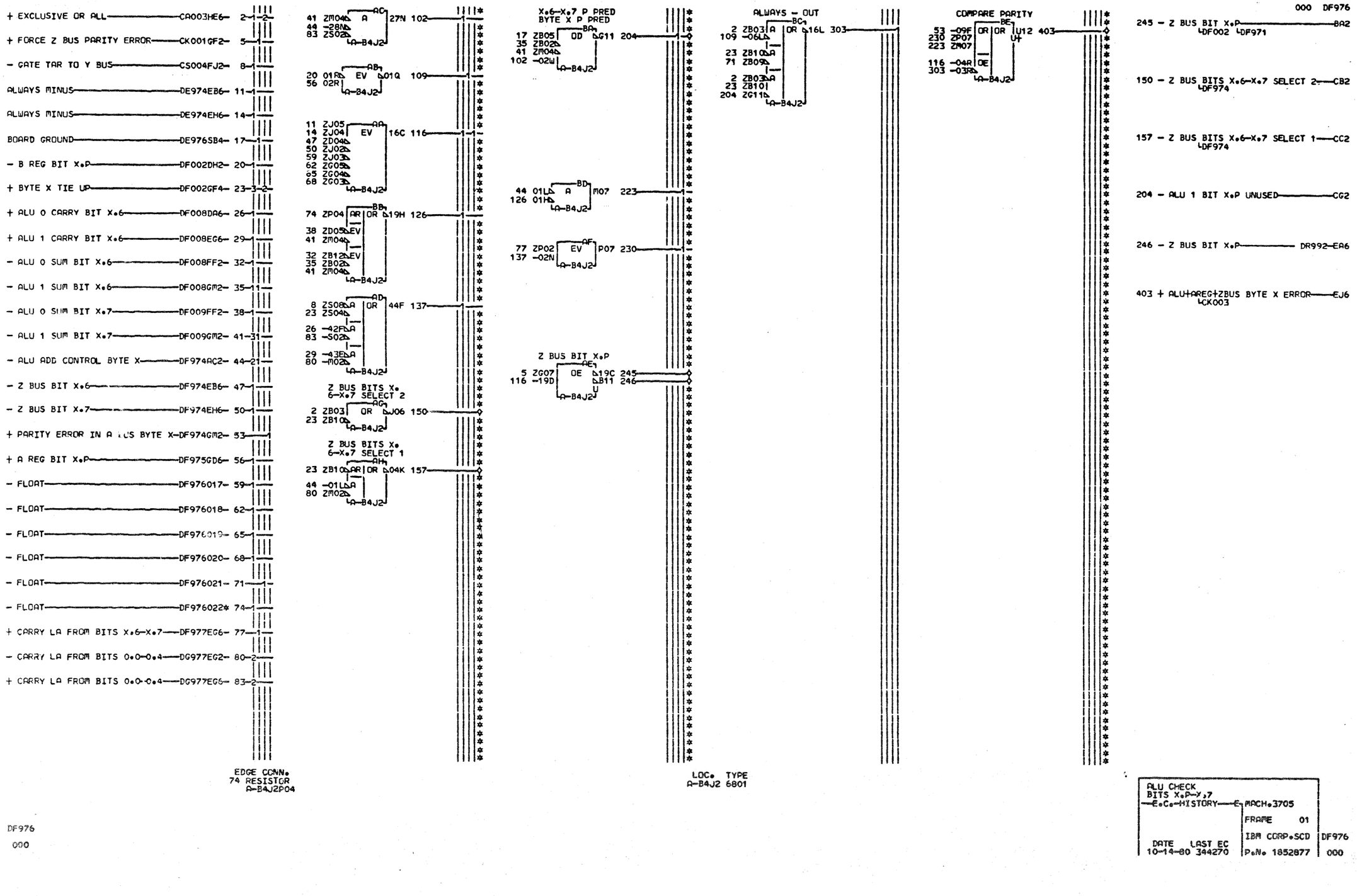
	FRAME 01	
DATE LAST EC	IBM CORP•SCD	DF974
10-14-80 344270	P•N• 1852875	000

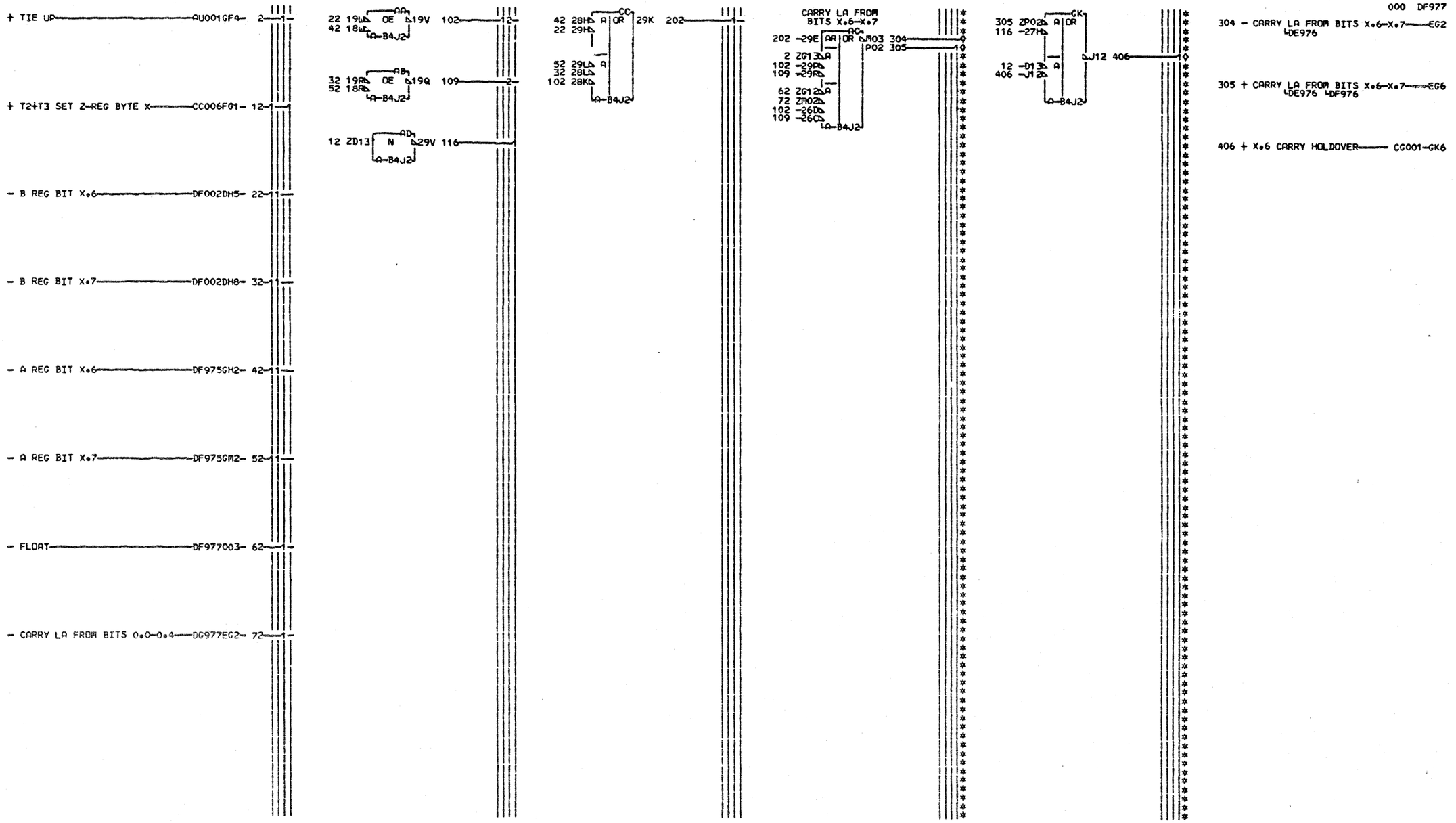


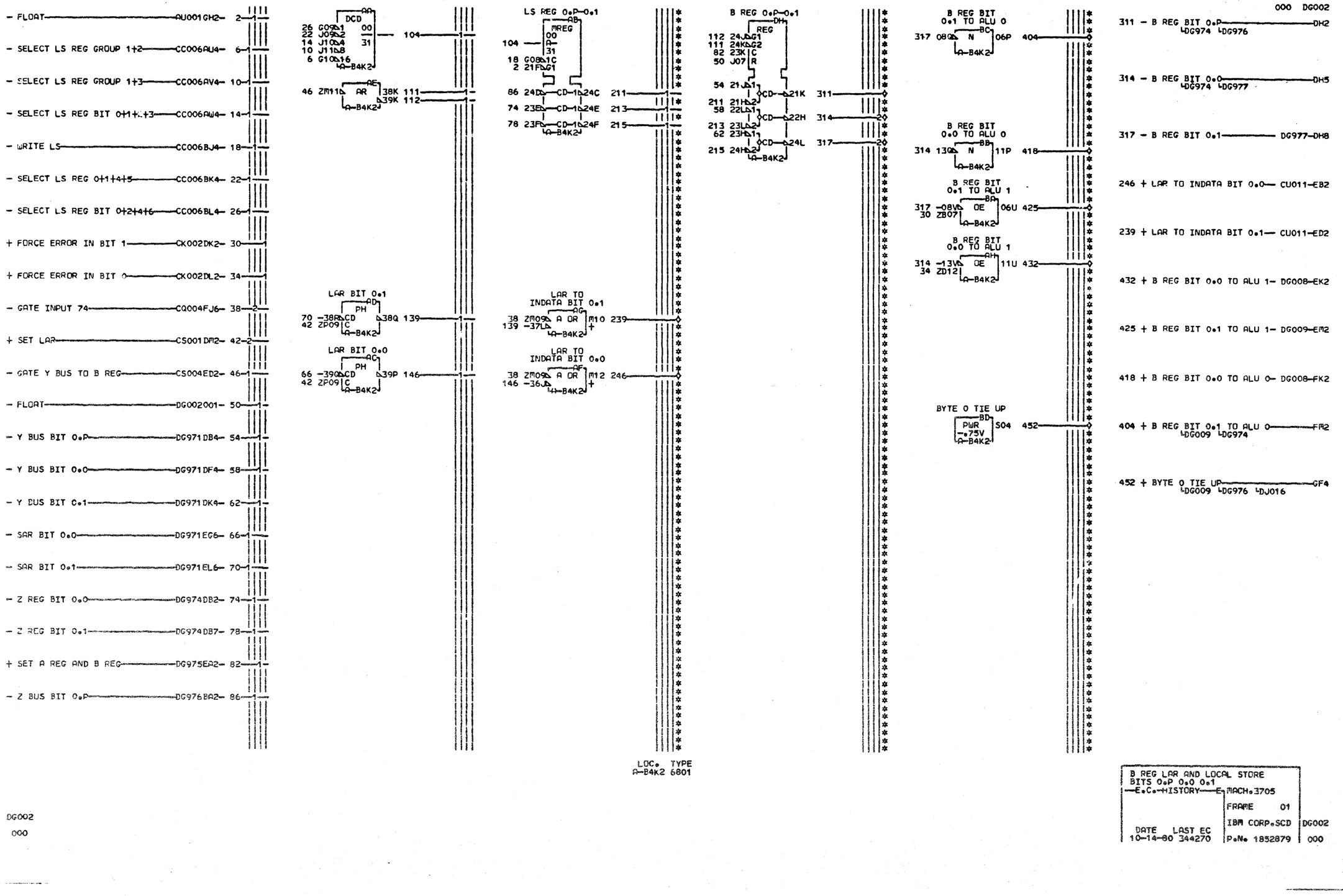
LOC• TYPE
A-B4J2 6801

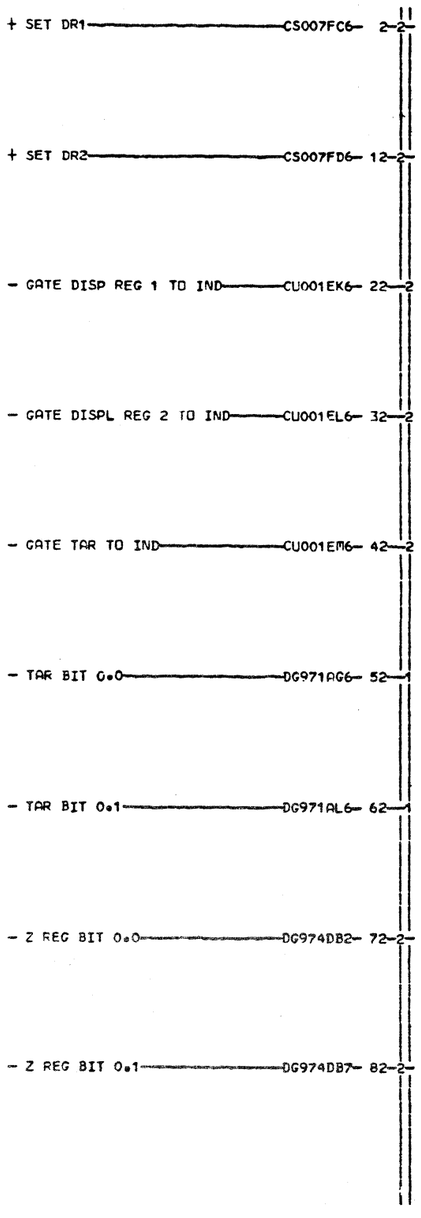
DF975
000

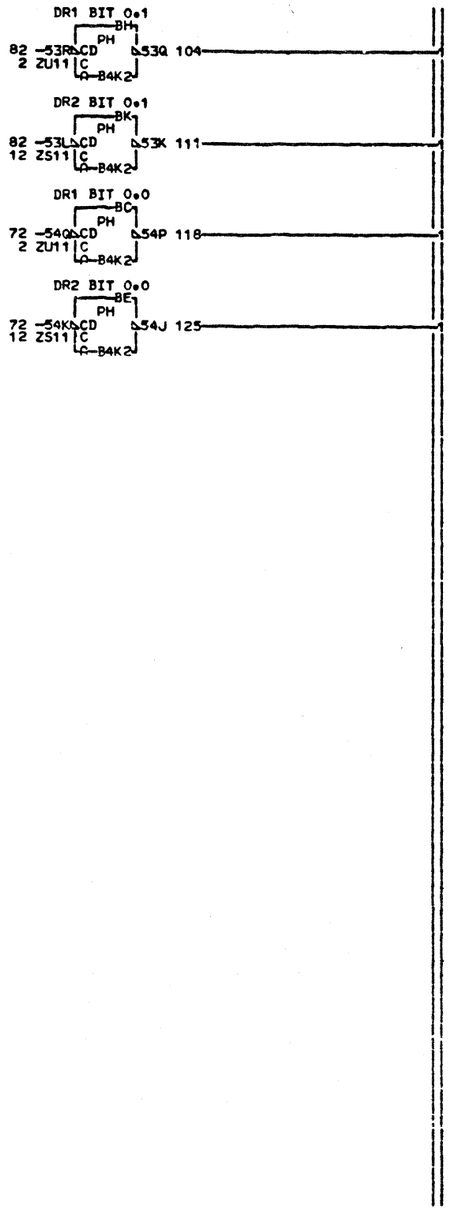
A BUS ASSEMBLER
BITS X•P-X•7
E•C• HISTORY E• MACH•3705
FRAME 01
IBM CORP•SCD DF975
DATE LAST EC P•N• 1852876 000
10-14-80 344270

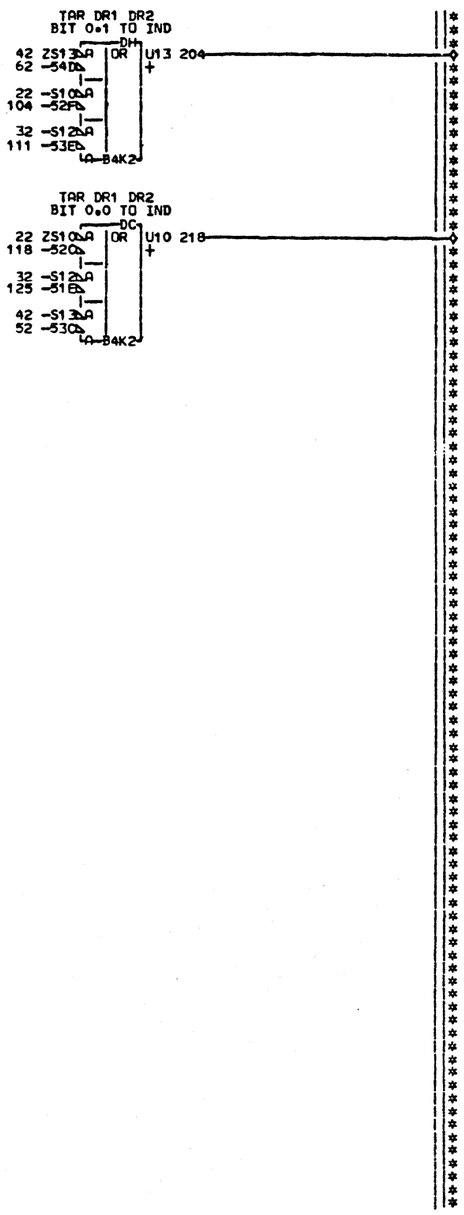

+ EXCLUSIVE OR ALL — CA003HE6 — 2-1-2
+ FORCE Z BUS PARITY ERROR — CK001GF2 — 5-1
- GATE TAR TO Y BUS — CS004FJ2 — 8-1
ALWAYS MINUS — DE974EB6 — 11-1
ALWAYS MINUS — DE974EH6 — 14-1
BOARD GROUND — DE976SB4 — 17-1
- B REG BIT X.P — DF002DH2 — 20-1
+ BYTE X TIE UP — DF002GF4 — 23-3-2
+ ALU 0 CARRY BIT X.6 — DF008DA6 — 26-1
+ ALU 1 CARRY BIT X.6 — DF008EG6 — 29-1
- ALU 0 SUM BIT X.6 — DF008FF2 — 32-1
- ALU 1 SUM BIT X.6 — DF008GM2 — 35-11
- ALU 0 SUM BIT X.7 — DF009FF2 — 38-1
- ALU 1 SUM BIT X.7 — DF009GM2 — 41-31
- ALU ADD CONTROL BYTE X — DF974AC2 — 44-21
- Z BUS BIT X.6 — DF974EB6 — 47-1
- Z BUS BIT X.7 — DF974EH6 — 50-1
+ PARITY ERROR IN A BUS BYTE X — DF974GM2 — 53-1
+ A REG BIT X.P — DF975GD6 — 56-1
- FLOAT — DF976017 — 59-1
- FLOAT — DF976018 — 62-1
- FLOAT — DF976019 — 65-1
- FLOAT — DF976020 — 68-1
- FLOAT — DF976021 — 71-1
- FLOAT — DF976022* — 74-1
+ CARRY LA FROM BITS X.6-X.7 — DF977EG6 — 77-1
- CARRY LA FROM BITS 0.0-0.4 — DG977EG2 — 80-2
+ CARRY LA FROM BITS 0.0-0.4 — DG977EG6 — 83-2
EDGE CONN.
74 RESISTOR
A-B4J2P04
41 ZM04 A 27N 102
44 -28N
83 ZS02
A-B4J2
20 01R EV 01Q 109
56 02R
A-B4J2
11 ZJ05 EV 16C 116
14 ZJ04
47 ZD04
50 ZJ02
59 ZJ03
62 ZG05
65 ZG04
68 ZG03
A-B4J2
74 ZP04 AR OR 19H 126
38 ZD05 EV
41 ZM04
32 ZB12 EV
35 ZB02
41 ZM04
A-B4J2
8 ZS08 A OR 44F 137
23 ZS04
26 -42F A
83 -S02
29 -43E A
80 -M02
A-B4J2
Z BUS BITS X.
6-X.7 SELECT 2
2 ZB03 OR J06 150
23 ZB10
A-B4J2
Z BUS BITS X.
6-X.7 SELECT 1
23 ZB10 AR OR 04K 157
44 -01L A
80 ZM02
A-B4J2
X.6-X.7 P PRED
BYTE X P PRED
17 ZB05 OD G11 204
35 ZB02
41 ZM04
102 -02W
A-B4J2
44 01L A M07 223
126 01H
A-B4J2
77 ZP02 EV P07 230
137 -02N
A-B4J2
Z BUS BIT X.P
5 ZG07 OE 19C 245
116 -19D U B11 246
A-B4J2
ALWAYS - OUT
2 ZB03 A OR 16L 303
109 -06L
23 ZB10 A
71 ZB09
2 ZB03 A
23 ZB10
204 ZG11
A-B4J2
COMPARE PARITY
53 -09F OR OR U12 403
230 ZP07 U+
223 ZM07
116 -04R OE
303 -03R
A-B4J2
000 DF976
245 - Z BUS BIT X.P — BA2
DF002 DF971
150 - Z BUS BITS X.6-X.7 SELECT 2 — CB2
DF974
157 - Z BUS BITS X.6-X.7 SELECT 1 — CC2
DF974
204 - ALU 1 BIT X.P UNUSED — CG2
246 - Z BUS BIT X.P — DR992-EA6
403 + ALU+AREG+ZBUS BYTE X ERROR — EJ6
CK003
LOC. TYPE
A-B4J2 6801
ALU CHECK
BITS X.P-Y.7
E.C.-HISTORY — E.C. MACH.3705
FRAME 01
IBM CORP.SCD DF976
DATE LAST EC
10-14-80 344270
P.N. 1852877 000
DF976
000


+ TIE UP AU001GF4 2
+ T2+T3 SET Z-REG BYTE X CC006FG1 12
- B REG BIT X•6 DF002DH5 22
- B REG BIT X•7 DF002DH8 32
- A REG BIT X•6 DF975GH2 42
- A REG BIT X•7 DF975GM2 52
- FLOAT DF977003 62
- CARRY LA FROM BITS 0•0-0•4 DG977EG2 72
AA
22 19W
42 18W
OE
19V 102
A-B4J2
AB
32 19R
52 18R
OE
19Q 109
A-B4J2
AD
12 ZD13
N
29V 116
A-B4J2
CC
42 28H
22 29H
A OR
29K 202
52 29L
32 28L
102 28K
A-B4J2
CARRY LA FROM
BITS X•6-X•7
AC
202 -29E
AR OR
ZM03 304
P02 305
2 ZG13
102 -29P
109 -29R
62 ZG12
72 ZM02
102 -26D
109 -26C
A-B4J2
GK
305 ZP02
116 -27H
A OR
12 -D13
406 -J12
A-B4J2
J12 406
000 DF977
304 - CARRY LA FROM BITS X•6-X•7 EG2
DE976
305 + CARRY LA FROM BITS X•6-X•7 EG6
DE976 DF976
406 + X•6 CARRY HOLDOVER CG001-GK6
LOC• TYPE
A-B4J2 6801
DF977
000
5-BIT CARRY LOCKAHEAD
BITS X•P-X•6
E•C•-HISTORY-E•
MACH•3705
FRAME 01
IBM CORP•SCD
DF977
DATE LAST EC
10-14-80 344270
P•N• 1852878
000


- FLOAT AU001 GH2 2
- SELECT LS REG GROUP 1+2 CC006 AU4 6
- SELECT LS REG GROUP 1+3 CC006 AV4 10
- SELECT LS REG BIT 0+1+..+3 CC006 AW4 14
- WRITE LS CC006 BJ4 18
- SELECT LS REG 0+1+4+5 CC006 BK4 22
- SELECT LS REG BIT 0+2+4+6 CC006 BL4 26
+ FORCE ERROR IN BIT 1 CK002 DK2 30
+ FORCE ERROR IN BIT 0 CK002 DL2 34
- GATE INPUT 74 CQ004 FJ6 38
+ SET LAR CS001 DM2 42
- GATE Y BUS TO B REG CS004 ED2 46
- FLOAT DG002 001 50
- Y BUS BIT 0.P DG971 DB4 54
- Y BUS BIT 0.0 DG971 DF4 58
- Y BUS BIT 0.1 DG971 DK4 62
- SAR BIT 0.0 DG971 EG6 66
- SAR BIT 0.1 DG971 EL6 70
- Z REG BIT 0.0 DG974 DB2 74
- Z REG BIT 0.1 DG974 DB7 78
+ SET A REG AND B REG DG975 EA2 82
- Z BUS BIT 0.P DG976 BA2 86
DCD
MREG
REG
PWR -.75V
LAR BIT 0.1
LAR BIT 0.0
LAR TO INDATA BIT 0.1
LAR TO INDATA BIT 0.0
LS REG 0.P-0.1
B REG 0.P-0.1
B REG BIT 0.1 TO ALU 0
B REG BIT 0.0 TO ALU 0
B REG BIT 0.1 TO ALU 1
B REG BIT 0.0 TO ALU 1
BYTE 0 TIE UP
A-B4K2
000 DG002
311 - B REG BIT 0.P DH2 (DG974 DG976)
314 - B REG BIT 0.0 DH5 (DG974 DG977)
317 - B REG BIT 0.1 DG977-DH8
246 + LAR TO INDATA BIT 0.0 CU011-EB2
239 + LAR TO INDATA BIT 0.1 CU011-ED2
432 + B REG BIT 0.0 TO ALU 1 DG008-EK2
425 + B REG BIT 0.1 TO ALU 1 DG009-EM2
418 + B REG BIT 0.0 TO ALU 0 DG008-FK2
404 + B REG BIT 0.1 TO ALU 0 (DG009 DG974) FM2
452 + BYTE 0 TIE UP (DG009 DG976 DJ016) GF4
LOC. TYPE
B REG LAR AND LOCAL STORE
BITS 0.P 0.0 0.1
E.C. HISTORY
MACH. 3705
FRAME 01
IBM CORP. SCD
P.No. 1852879
DATE LAST EC
10-14-80 344270
DG002
000







000 DG003

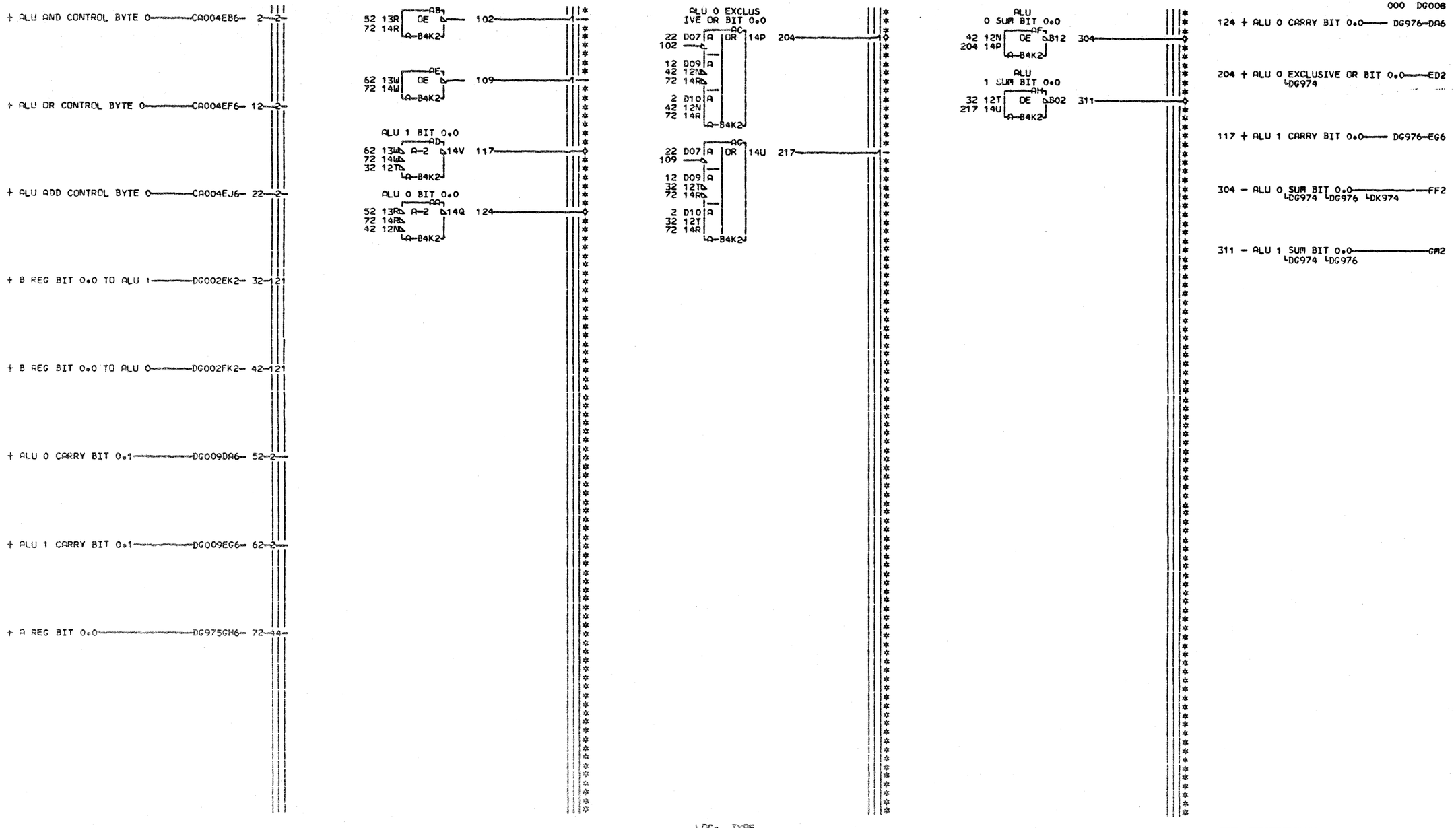
218 + TAR DR1 DR2 BIT 0.0 TO IND — DC2
4AP012

204 + TAR DR1 DR2 BIT 0.1 TO IND — DH2
4AP012

LOC. TYPE
A-B4K2 6801

DG003
000

CCU DISPLAY REGISTERS 1 AND 2
BITS 0.0 AND 0.1
E.C. HISTORY — E. MACH. 3705
FRAME 01
IBM CORP. SCD
P.No 1852880
DATE LAST EC
10-14-80 344270
DG003
000

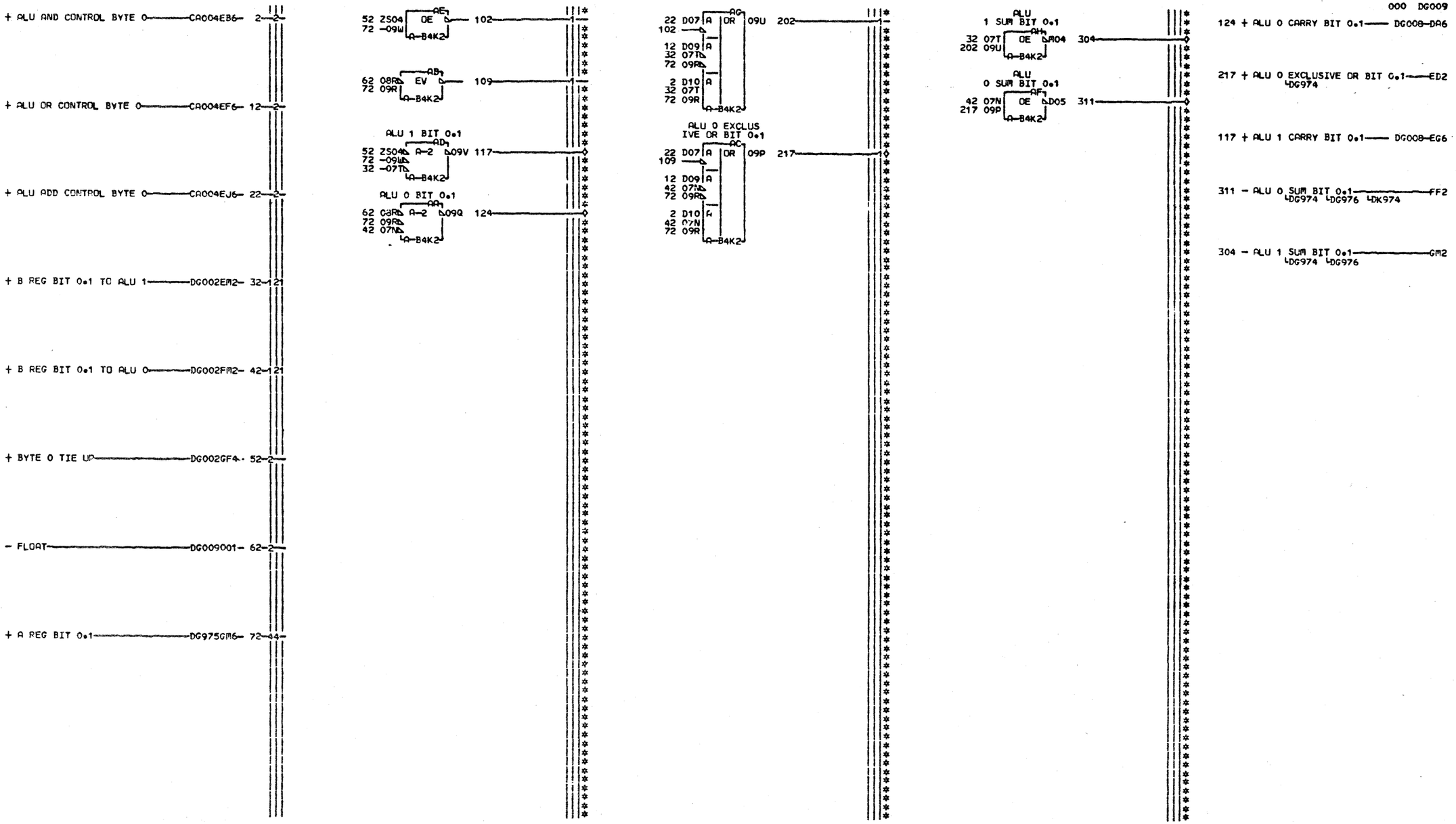


LOC. TYPE
A-34K2 6801

DG008
000

ALU 0 AND ALU 1
BIT 0.0
E.C.-HISTORY-E1 MACH.3705

	FRAME 01
DATE LAST EC	IBM CORP.SCD DG008
10-14-80 344270	P.N. 1852881 000



LOC. TYPE
A-B4K2 6801

DG009
000

ALU 0 AND ALU 1
BIT 0.1
—E.C.—HISTORY—E.
MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1852882

DATE	LAST EC
10-14-80	344270

DG009
000

+ INBUS BYTE 0 BIT P — AA001DB1* 2
+ INBUS BYTE 0 BIT O — AA001DB3* 6
+ INBUS BYTE 0 BIT 1 — AA001DB5* 10
+ ADBUS BIT 0.P — AA003DB1* 14
+ ADBUS BIT 0.0 — AA003DB3* 18
+ ADBUS BIT 0.1 — AA003DB5* 22
- GATE ADBUS TO Y BUS — CS004CA6- 26
- GATE CCU INDATA TO Y BUS — CS004DB2- 30
- GATE INBUS TO Y BUS — CS004FG2- 34
- GATE TAR TO Y BUS — CS004FJ2- 38
+ SET TAR — CS007CH2- 42
+ SET SAR — CS007EB2- 46
+ CCU INDATA BIT 0.0 — CU011DD4- 50
+ CCU INDATA BIT 0.1 — CU011DE4- 54
+ CCU INDATA BIT 0.P — CU013EF6* 58
+ 2ND T.P. TO INBUS BIT 0.1 — CX003FM2- 62
- Z REG BIT 0.0 — DG974DB2- 66
- Z REG BIT 0.1 — DG974DB7- 70
- Z BUS BIT 0.P — DG976BA2- 74

TAR BIT 0.0 (AB)
66 -48L, 42 ZS05 → 48K 104

TAR BIT 0.P (AA)
74 -49K, 42 ZS05 → 49H 111

TAR BIT 0.1 (AD)
70 -48H, 42 ZS05 → 46H 118

(AC) 62, 10 → 123

Y BUS BIT 0.0 (AF)
30 ZP10, 50 ZM12, 38 ZS08, 104 -48K, 6 -U09, 34 -U05, 18 -S09, 26 -U06 → 203

Y BUS BIT 0.P (AE)
30 ZP10, 58 ZM08, 14 ZU07, 26 ZU06, 2 -S07, 34 -U05, 38 -S08, 111 -48C → 218

Y BUS BIT 0.1 (AG)
30 ZP10, 54 ZM10, 22 ZP13, 26 ZU06, 34 -U05, 123 -P12, 38 -S08, 118 -46H → 233

SAR BIT 0.0 (BA)
203 -43L, 46 ZM13 → U03 304, 43K 305

SAR BIT 0.P (BH)
218 -44K, 46 ZM13 → S03 311, 44J 312

SAR BIT 0.1 (BB)
233 -43H, 46 ZM13 → U02 325, 41H 326

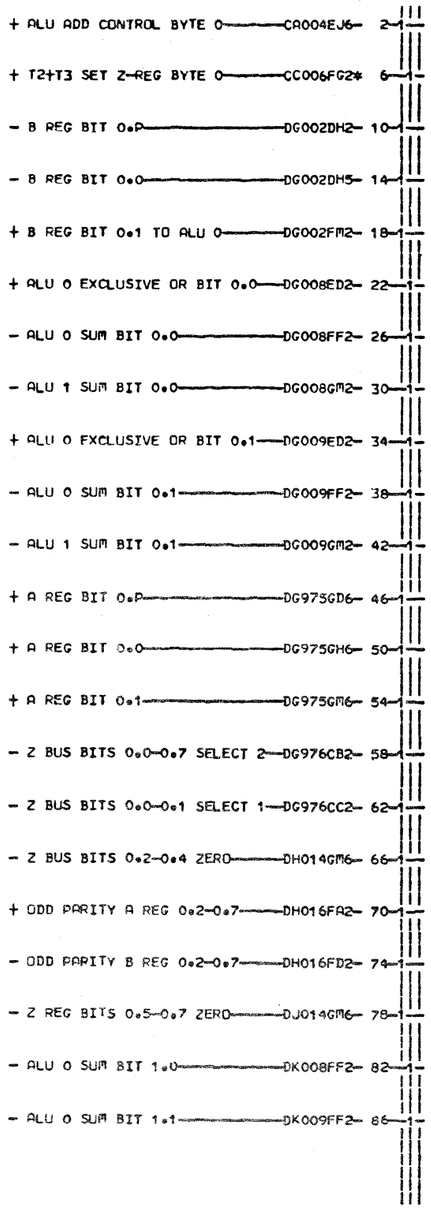
104 — TAR BIT 0.0 — DG003-AG6
118 — TAR BIT 0.1 — DG003-AL6
218 — Y BUS BIT 0.P — DG002-DB4
203 — Y BUS BIT 0.0 — DG002-DF4
233 — Y BUS BIT 0.1 — DG002-DK4
311 + SAR BIT 0.P — CV001-EC2
312 — SAR BIT 0.P — DG975-EC6
304 + SAR BIT 0.0 — EG2
◇CM002 ↳CV001 ↳DS001 ↳DT001 ↳DU001 ↳DV001
305 — SAR BIT 0.0 — EG6
↳DG002 ↳DG975
325 + SAR BIT 0.1 — EL2
◇CM002 ↳CV001 ↳DS001 ↳DT001 ↳DU001 ↳DV001
326 — SAR BIT 0.1 — EL6
↳DG002 ↳DG975

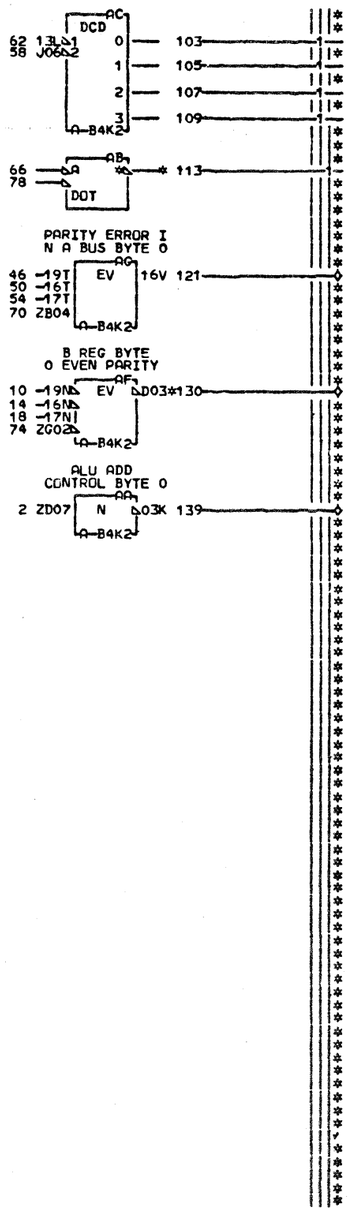
EDGE CONN.
2 RESISTOR A-B4K2S07
6 RESISTOR A-B4K2U09
14 RESISTOR A-B4K2U07
18 RESISTOR A-B4K2S09
22 RESISTOR A-B4K2P13
58 RESISTOR A-B4K2M08
123 RESISTOR A-B4K2P12
01A-B4V4B05
01A-B3Q6D04
01A-B4Q1D13

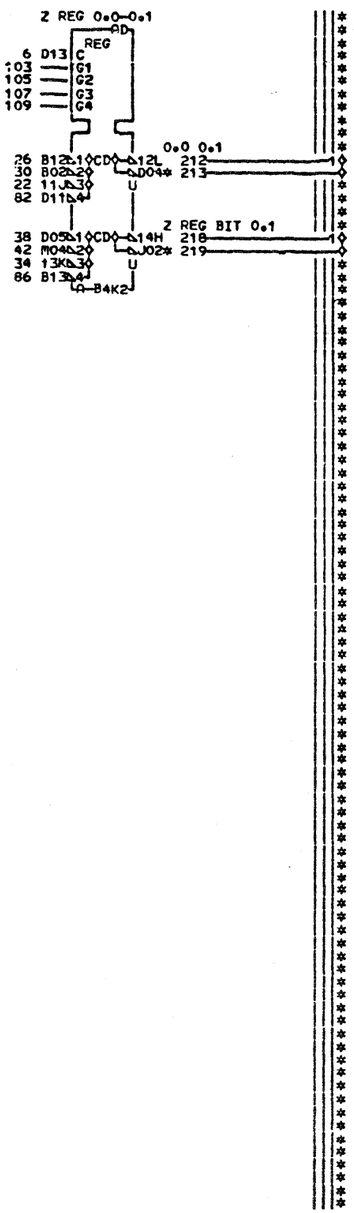
LOC. TYPE
A-B4K2 6801

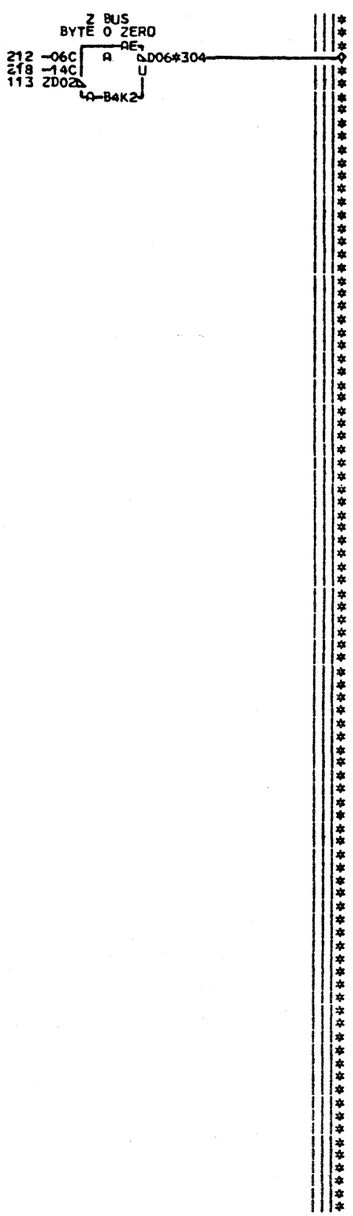
DG971
000

SAR TAR AND Y BUS ASSEMBLER BITS 0.P-0.1		
E.C.-HISTORY-E	MACH.3705	
344270	FRAME 01	
	IBM CORP.SCD	DG971
DATE LAST EC	P.N. 1852883	000
06-02-81 344828		









000 DG974

139 - ALU ADD CONTROL BYTE 0 - DG976-AC2

212 - Z REG BIT 0.0 - D82
DG002 DG003 DG971

218 - Z REG BIT 0.1 - DB7
DG002 DG003 DG971

213 - Z BUS BIT 0.0 - EB6
CK002 CR001 CU010 CV001
DG976 DN001

219 - Z BUS BIT 0.1 - EH6
CK002 CR001 CU006 CV001
DG976 DN001

304 - Z BUS BYTE 0 ZERO - CZ001-FK6

130 - B REG BYTE 0 EVEN PARITY - GG2
CK003 CQ002

121 + PARITY ERROR IN A BUS BYTE 0 - GM2
DG976

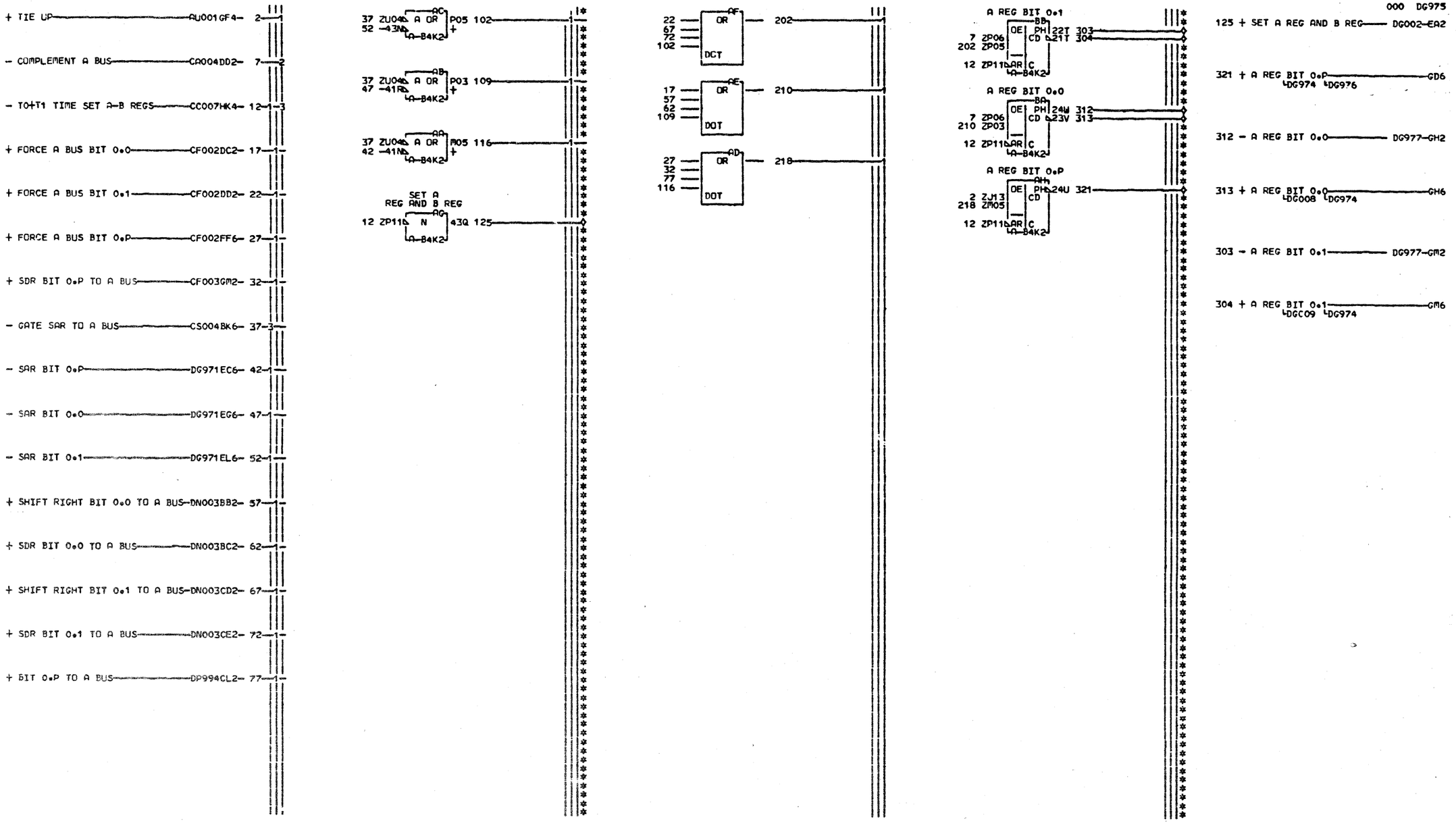
EDGE CONN. 01A-B3E6A02
6 RESISTOR 304 RESISTOR
A-B4K2D13 A-B3G2J06
113 RESISTOR 01A-B4C1E13
A-B4K2D02 01A-B3C6E04
130 A-B4J6E02
01A-B3J1E11
213 A-B4D1E13
01A-B3D6E04
219 A-B4E1A11

LOC. TYPE
A-B3G2 Y702
A-B4K2 6801

DG974
000

ALU 0 ALU 1 AND 2 REG BITS 0.P-0.1
E.C. HISTORY
PACH.3705
FRAME 01
IBM CORP. SCD
P.N. 1852884
DG974
000

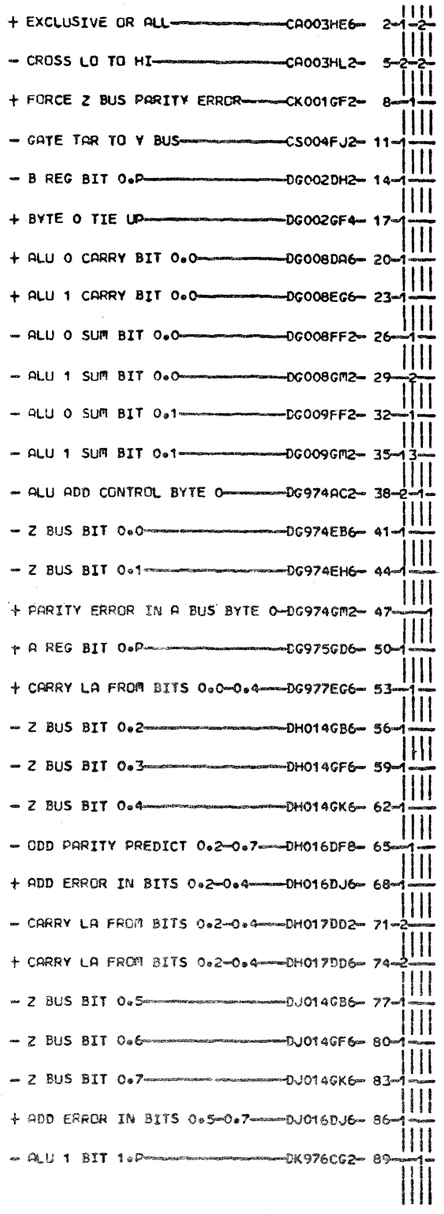
DATE LAST EC
10-14-80 344270

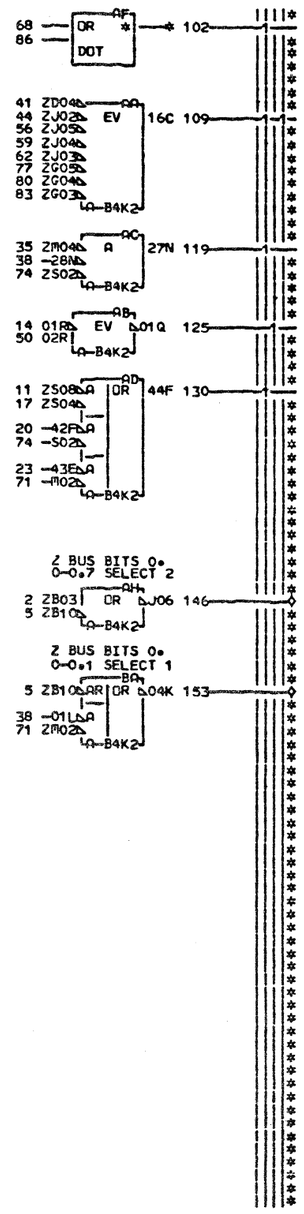


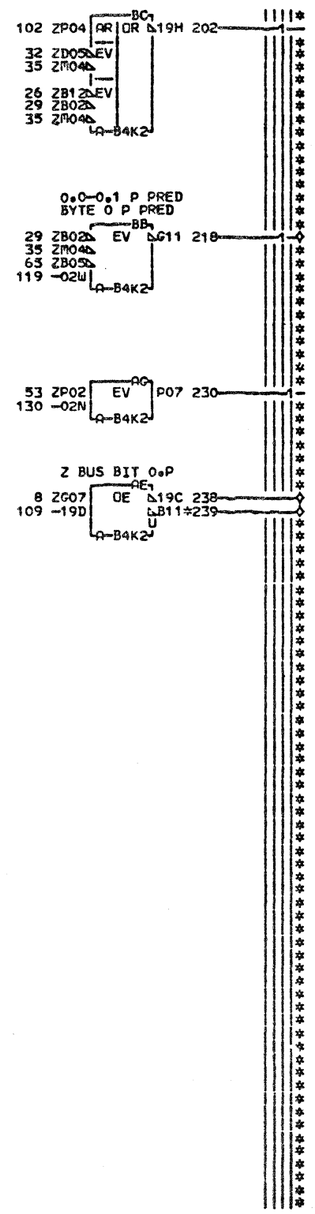
LOC. TYPE
A-B4K2 6801

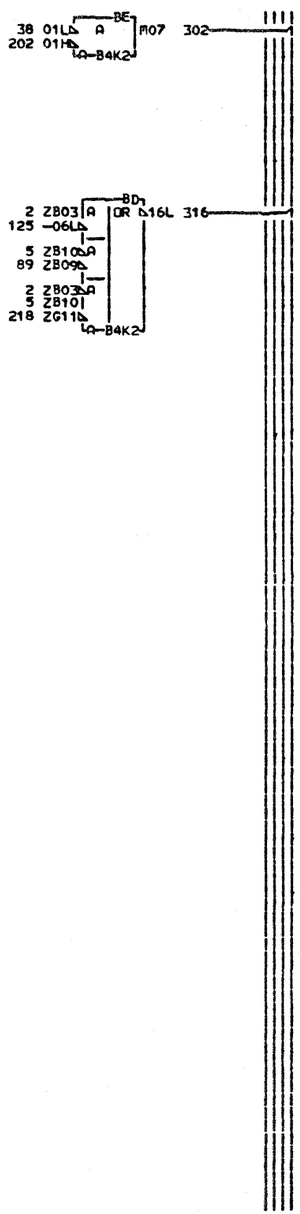
DG975
000

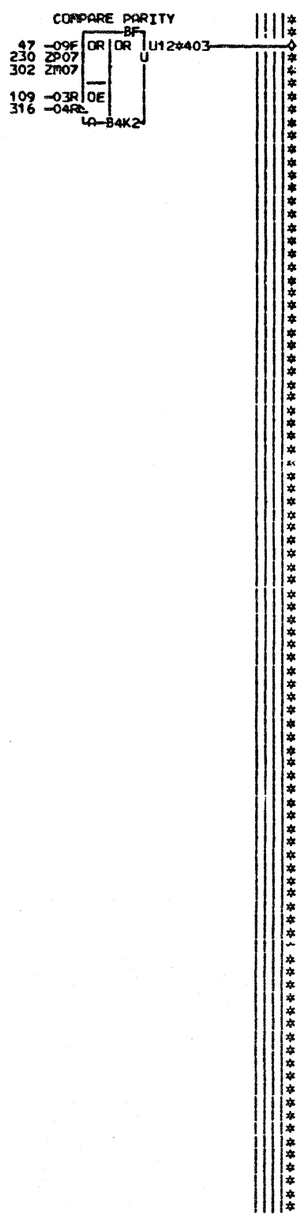
A BUS ASSEMBLER
BITS 0.P-0.1
E.C. HISTORY — E. MACH.3705
FRAME 01
IBM CORP.SCD DG975
P.No. 1852885 000
DATE LAST EC
10-14-80 344270











000 DG976

238 — Z BUS BIT 0.P — BA2
└DG002 └DG971

146 — Z BUS BITS 0.0-0.7 SELECT 2 — CB2
└DG974 └DH014 └DJ014

153 — Z BUS BITS 0.0-0.1 SELECT 1 — CC2
└DG974

218 — ALU 1 BIT 0.P — DK976-CG2

239 — Z BUS BIT 0.P — EA6
└C2002 └DP992

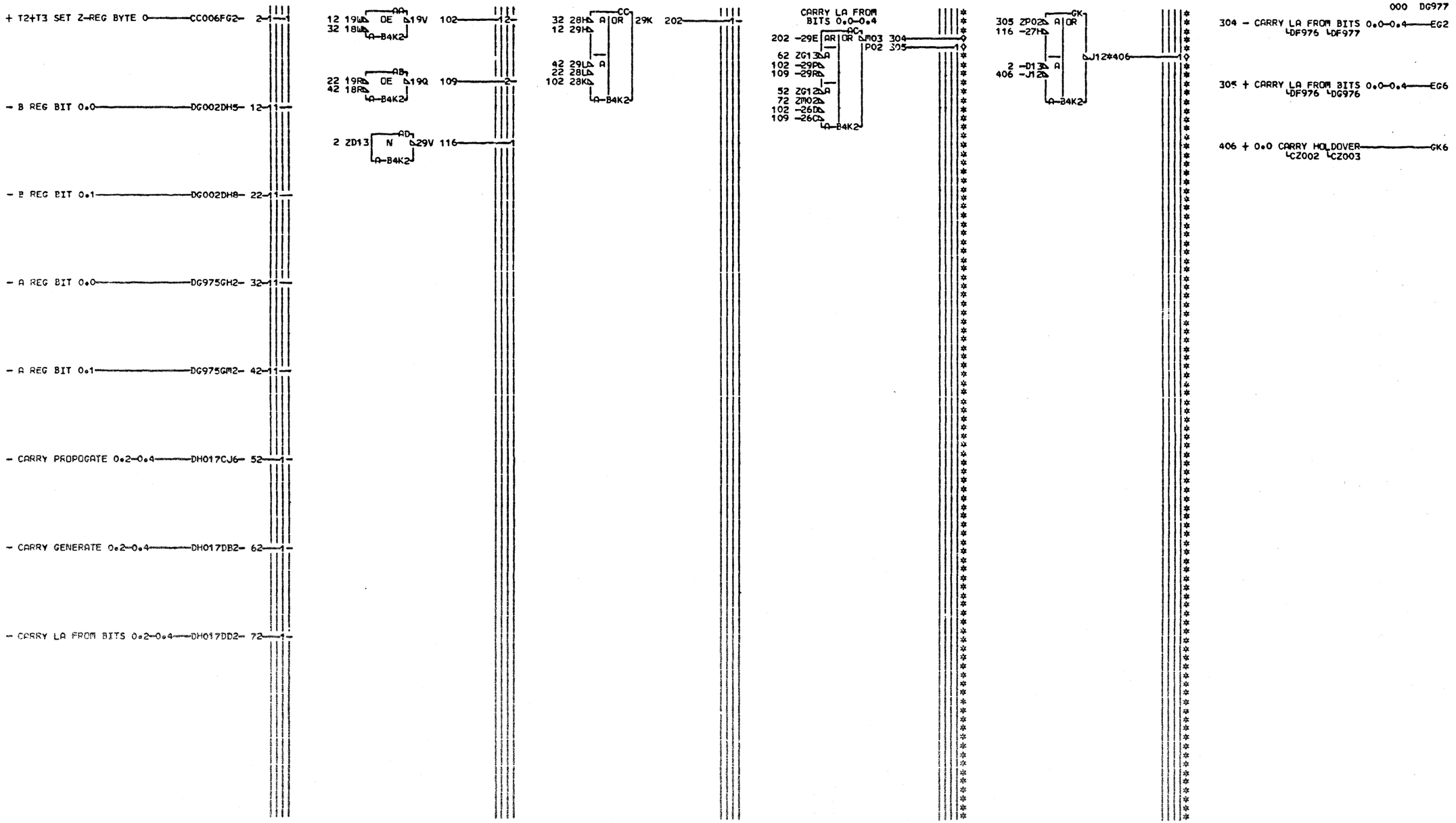
403 + ALU+AREG+ZBUS BYTE 0 ERROR — EJ6
└CK003

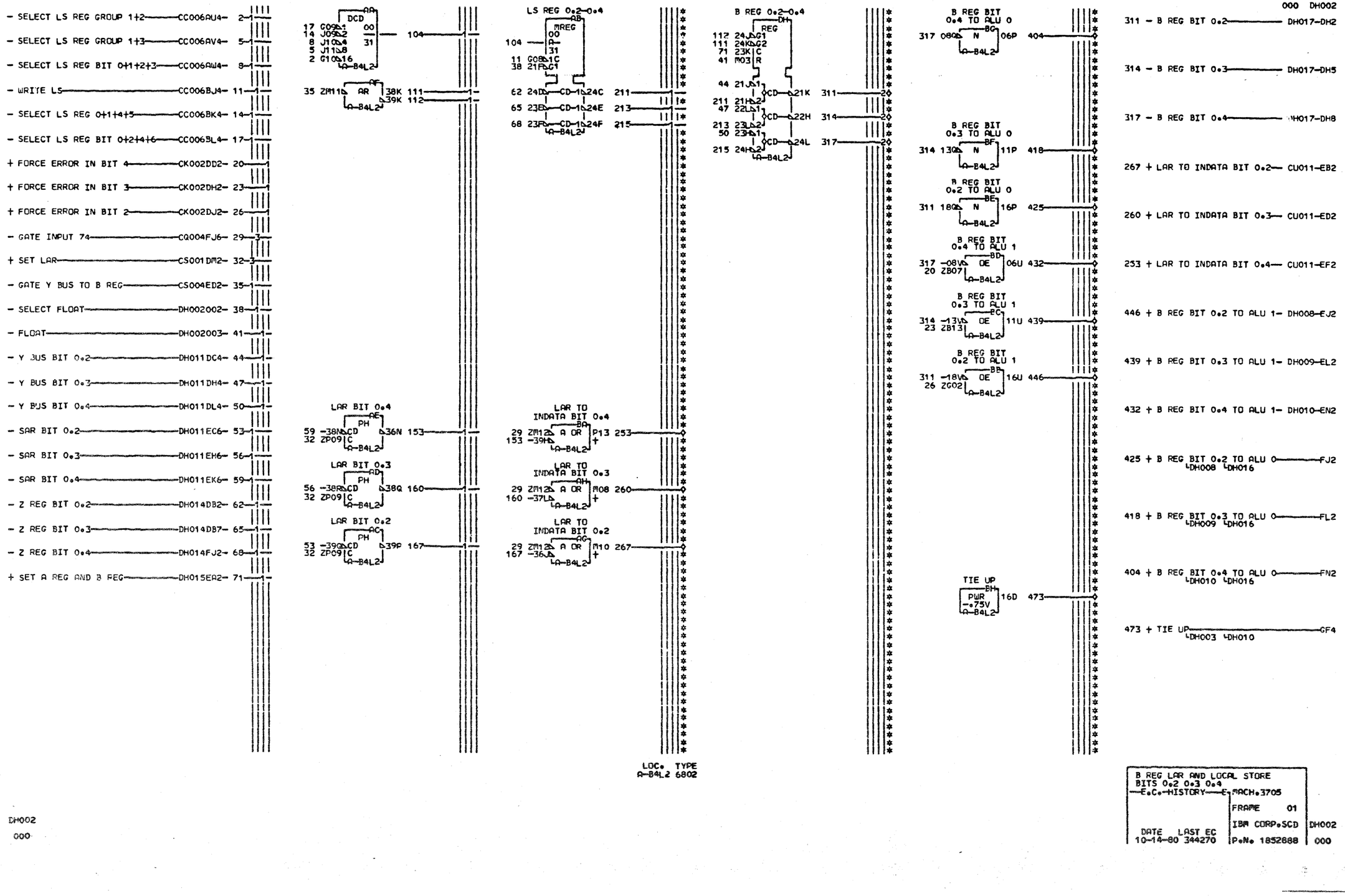
EDGE CONN.
102 RESISTOR
A-B4K2P04
239 A-B4D1E11
01A-B3D6E02
403 RESISTOR
A-B3N2G09
01A-B4K6B04
01A-B3X1B13

LOC. TYPE
A-B3N2 6819
A-B4K2 6801

DG976
000

ALU CHECK
BITS 0.P-0.1
E.C. HISTORY — E. MACH. 3705
FRAME 01
IBM CORP. SCD — DG976
P.N. 1852886 — 000
DATE LAST EC
10-14-80 344270


+ T2+T3 SET Z-REG BYTE 0
CC006FG2- 2
- B REG BIT 0.0
DG002DH5- 12
- B REG BIT 0.1
DG002DH8- 22
- A REG BIT 0.0
DG975GH2- 32
- A REG BIT 0.1
DG975GM2- 42
- CARRY PROPOGATE 0.2-0.4
DH017CJ6- 52
- CARRY GENERATE 0.2-0.4
DH017DB2- 62
- CARRY LA FROM BITS 0.2-0.4
DH017DD2- 72
AA
12 19W
32 18W
OE
19V 102
A-B4K2
AB
22 19R
42 18R
OE
19Q 109
A-B4K2
AD
2 ZD13
N
29V 116
A-B4K2
CC
32 28H
12 29H
A
OR
29K 202
42 29L
22 28L
102 28K
A-B4K2
CARRY LA FROM
BITS 0.0-0.4
AC
202 -29E
AR
OR
M03 304
P02 305
62 ZG13
102 -29P
109 -29R
52 ZG12
72 ZM02
102 -26D
109 -26C
A-B4K2
GK
305 ZP02
116 -27H
2 -D13
406 -J12
A
OR
J12*406
A-B4K2
000 DG977
304 - CARRY LA FROM BITS 0.0-0.4 EG2
DF976 DF977
305 + CARRY LA FROM BITS 0.0-0.4 EG6
DF976 DG976
406 + 0.0 CARRY HOLDOVER GK6
CZ002 CZ003
EDGE CONN.
406 A-B4K1B11
01A-B3K6802
LOC. TYPE
A-B4K2 6801
5-BIT CARRY LOOKAHEAD
BITS 0.0-0.1
E.C. HISTORY
S. MACH. 3705
FRAME 01
IBM CORP. SCD DG977
DATE LAST EC
10-14-80 344270
P.No. 1852887 000
DG977
000


- SELECT LS REG GROUP 1+2 CC006AU4- 2
- SELECT LS REG GROUP 1+3 CC006AV4- 5
- SELECT LS REG BIT 0+1+2+3 CC006AW4- 8
- WRITE LS CC006BJ4- 11
- SELECT LS REG 0+1+4+5 CC006BK4- 14
- SELECT LS REG BIT 0+2+4+6 CC006BL4- 17
+ FORCE ERROR IN BIT 4 CK002DD2- 20
+ FORCE ERROR IN BIT 3 CK002DH2- 23
+ FORCE ERROR IN BIT 2 CK002DJ2- 26
- GATE INPUT 74 CQ004FJ6- 29
+ SET LAR CS001DM2- 32
- GATE Y BUS TO B REG CS004ED2- 35
- SELECT FLOAT DH002002- 38
- FLOAT DH002003- 41
- Y BUS BIT 0.2 DH011DC4- 44
- Y BUS BIT 0.3 DH011DH4- 47
- Y BUS BIT 0.4 DH011DL4- 50
- SAR BIT 0.2 DH011EC6- 53
- SAR BIT 0.3 DH011EH6- 56
- SAR BIT 0.4 DH011EK6- 59
- Z REG BIT 0.2 DH014DB2- 62
- Z REG BIT 0.3 DH014DB7- 65
- Z REG BIT 0.4 DH014FJ2- 68
+ SET A REG AND B REG DH015EA2- 71
DCD
17 G09 1 00
14 J09 2
8 J10 4 31
5 J11 8
2 G10 16
B4L2
104
35 ZM11 AR 38K 111
39K 112
LS REG 0.2-0.4
MREG
00
31
11 G08 1C
38 21P 1
62 24D CD-1 24C 211
65 23E CD-1 24E 213
68 23F CD-1 24F 215
B REG 0.2-0.4
REG
112 24J 1
111 24K 2
71 23K C
41 M03 R
44 21J 1
211 21H 2
47 22L 1
213 23L 2
50 23H 1
215 24H 2
CD-1 21K 311
CD-1 22H 314
CD-1 24L 317
B REG BIT 0.4 TO ALU 0
317 08Q N 06P 404
B REG BIT 0.3 TO ALU 0
314 13Q N 11P 418
B REG BIT 0.2 TO ALU 0
311 18Q N 16P 425
B REG BIT 0.4 TO ALU 1
317 -08V OE 06U 432
20 ZB07
B REG BIT 0.3 TO ALU 1
314 -13V OE 11U 439
23 ZB13
B REG BIT 0.2 TO ALU 1
311 -18V OE 16U 446
26 ZG02
TIE UP
PWR
-.75V
16D 473
LAR BIT 0.4
PH
59 -38N CD 36N 153
32 ZP09 C
LAR BIT 0.3
PH
56 -38R CD 38Q 160
32 ZP09 C
LAR BIT 0.2
PH
53 -39Q CD 39P 167
32 ZP09 C
LAR TO INDATA BIT 0.4
29 ZM12 A OR P13 253
153 -39H +
LAR TO INDATA BIT 0.3
29 ZM12 A OR M08 260
160 -37L +
LAR TO INDATA BIT 0.2
29 ZM12 A OR M10 267
167 -36A +
LOC. TYPE
B4L2 6802
000 DH002
311 - B REG BIT 0.2 DH017-DH2
314 - B REG BIT 0.3 DH017-DH5
317 - B REG BIT 0.4 DH017-DH8
267 + LAR TO INDATA BIT 0.2 CU011-EB2
260 + LAR TO INDATA BIT 0.3 CU011-ED2
253 + LAR TO INDATA BIT 0.4 CU011-EF2
446 + B REG BIT 0.2 TO ALU 1 DH008-EJ2
439 + B REG BIT 0.3 TO ALU 1 DH009-EL2
432 + B REG BIT 0.4 TO ALU 1 DH010-EN2
425 + B REG BIT 0.2 TO ALU 0 FJ2
DH008 DH016
418 + B REG BIT 0.3 TO ALU 0 FL2
DH009 DH016
404 + B REG BIT 0.4 TO ALU 0 FN2
DH010 DH016
473 + TIE UP GF4
DH003 DH010
B REG LAR AND LOCAL STORE
BITS 0.2 0.3 0.4
E.C. HISTORY
MACH.3705
FRAME 01
IBM CORP.SCD DH002
DATE LAST EC
10-14-80 344270
P.N. 1852888 000
DH002
000

- GATE TAR TO Y BUS ——— CS004FJ2- 2-1

+ SET DR1 ——— CS007FC6- 9-3

+ SET DR2 ——— CS007FD6- 16-3

- GATE DISP REG 1 TO IND ——— CU001EK6- 23-3

- GATE DISPL REG 2 TO IND ——— CU001EL6- 30-3

- GATE TAR TO IND ——— CU001EM6- 37-3

+ TIE UP ——— DH002GF4- 44-1

- TAR BIT 0.2 ——— DH011AC6- 51-1

- TAR BIT 0.3 ——— DH011AG6- 58-1

- TAR BIT 0.4 ——— DH011AM6- 65-1

- Z REG BIT 0.2 ——— DH014DB2- 72-2

- Z REG BIT 0.3 ——— DH014DB7- 79-2

- Z REG BIT 0.4 ——— DH014FJ2- 86-2

DR2 BIT 0.4
BM PH
86 -53H CD 51H 104
16 ZS11 C
A-B4L2

DR1 BIT 0.4
BK PH
86 -53N CD 51N 111
9 ZU11 C
A-B4L2

DR1 BIT 0.3
BF PH
79 -53R CD 53Q 118
9 ZU11 C
A-B4L2

DR1 BIT 0.3
BH PH
79 -53L CD 53K 125
16 ZS11 C
A-B4L2

DR1 BIT 0.2
BB PH
72 -54Q CD 54P 132
9 ZU11 C
A-B4L2

DR2 BIT 0.2
BD PH
72 -54K CD 54J 139
16 ZS11 C
A-B4L2

LOC. TYPE
A-B4L2 6802

DR2
BIT 0.4 TO IND
DM
30 ZS12 A OR U12 204
104 -36D U+
A-B4L2

TAR DR1
BIT 0.4 TO IND
DL
2 ZS08 A OR U12 211
44 -44D +
23 -S10 A
111 -42F
37 -S13 A
65 -43E
A-B4L2

TAR DR1 DR2
BIT 0.3 TO IND
DF
37 ZS13 A OR U13 224
58 -54D +
23 -S10 A
118 -52F
30 -S12 A
125 -53E
A-B4L2

TAR DR1 DR2
BIT 0.2 TO IND
DB
23 ZS10 A OR U10 237
132 -52C +
30 -S12 A
139 -51E
37 -S13 A
51 -53C
A-B4L2

000 DH003

237 + TAR DR1 DR2 BIT 0.2 TO IND ——— DB2
AP012

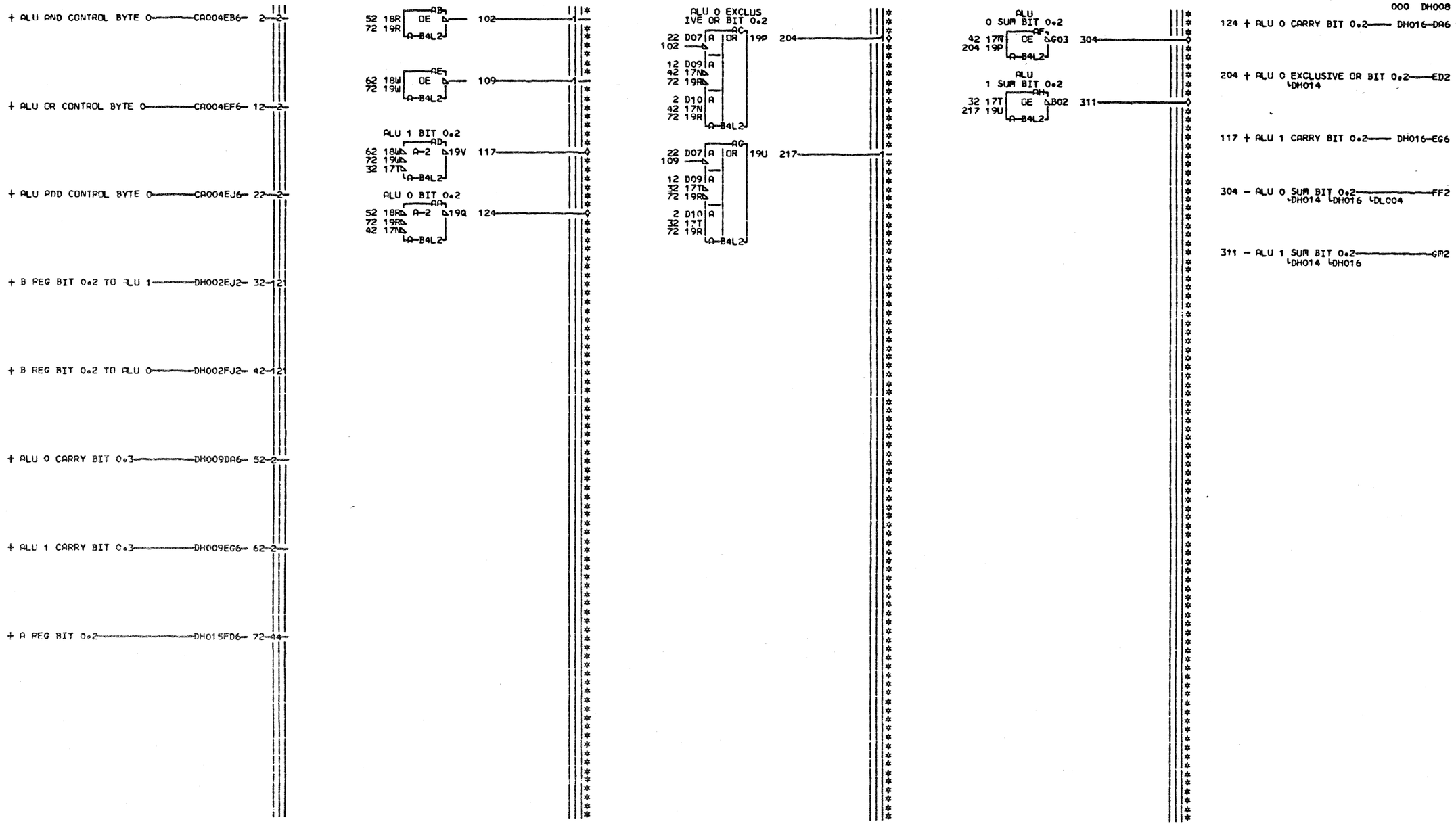
224 + TAR DR1 DR2 BIT 0.3 TO IND ——— DF2
AP012

211 + TAR DR1 BIT 0.4 TO IND — AP013—DL2

204 + DR2 BIT 0.4 TO IND ——— AP013—DM2

CCU DISPLAY REGISTER 1 AND 2
BITS 0.2 0.3 AND 0.4
E.C. HISTORY — MACH.3705
FRAME 01
IBM CORP.SCD DH003
P.N. 1852889 000
DATE LAST EC
10-14-80 343270

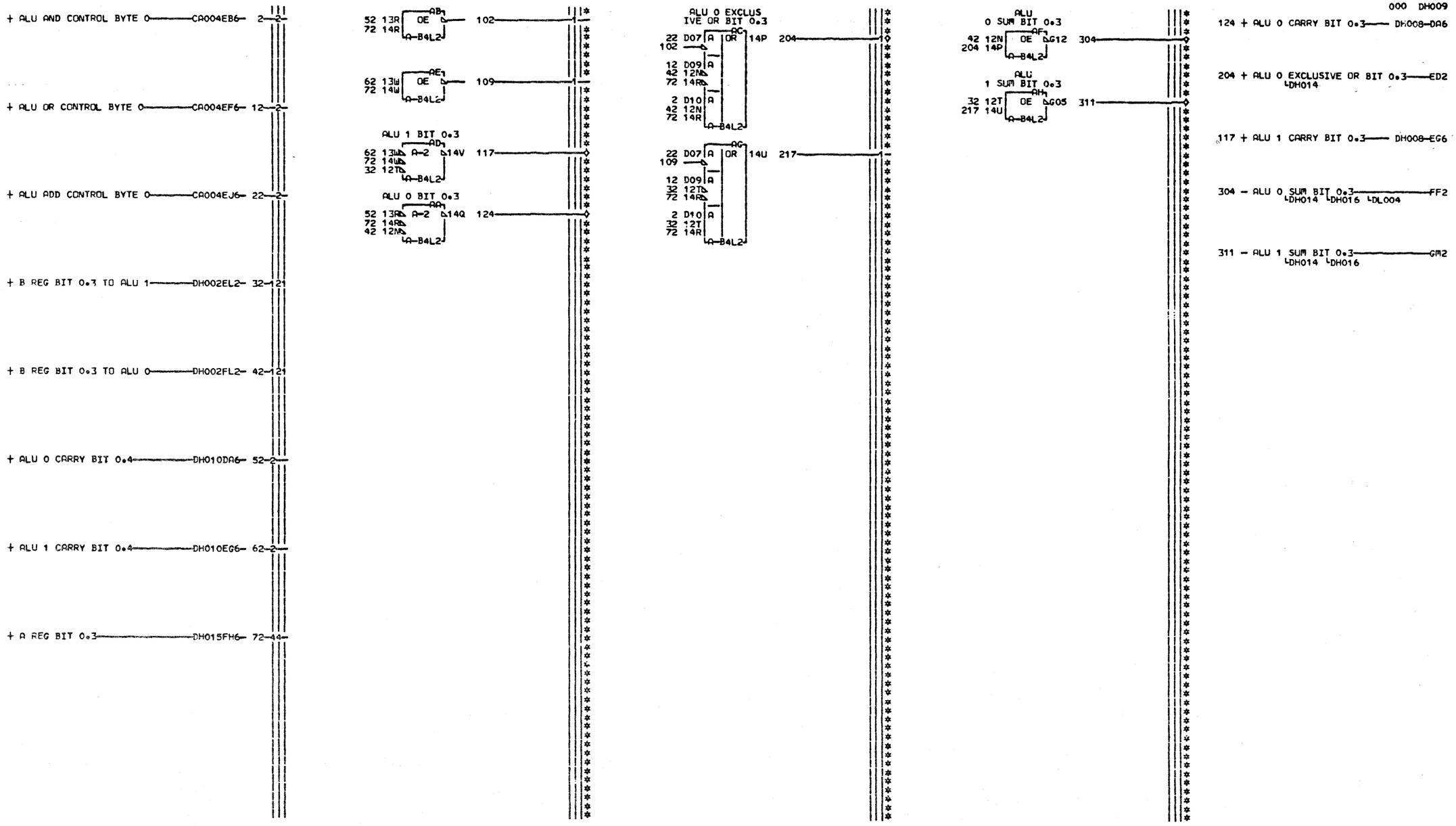
DH003
000



LOC. TYPE
A-84L2 6802

DH008
000

ALU 0 AND ALU 1
BIT 0.2
E.C. HISTORY — E. MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1852890
DH008
000
DATE LAST EC
10-14-80 344270



LOC. TYPE
A-B4L2 6802

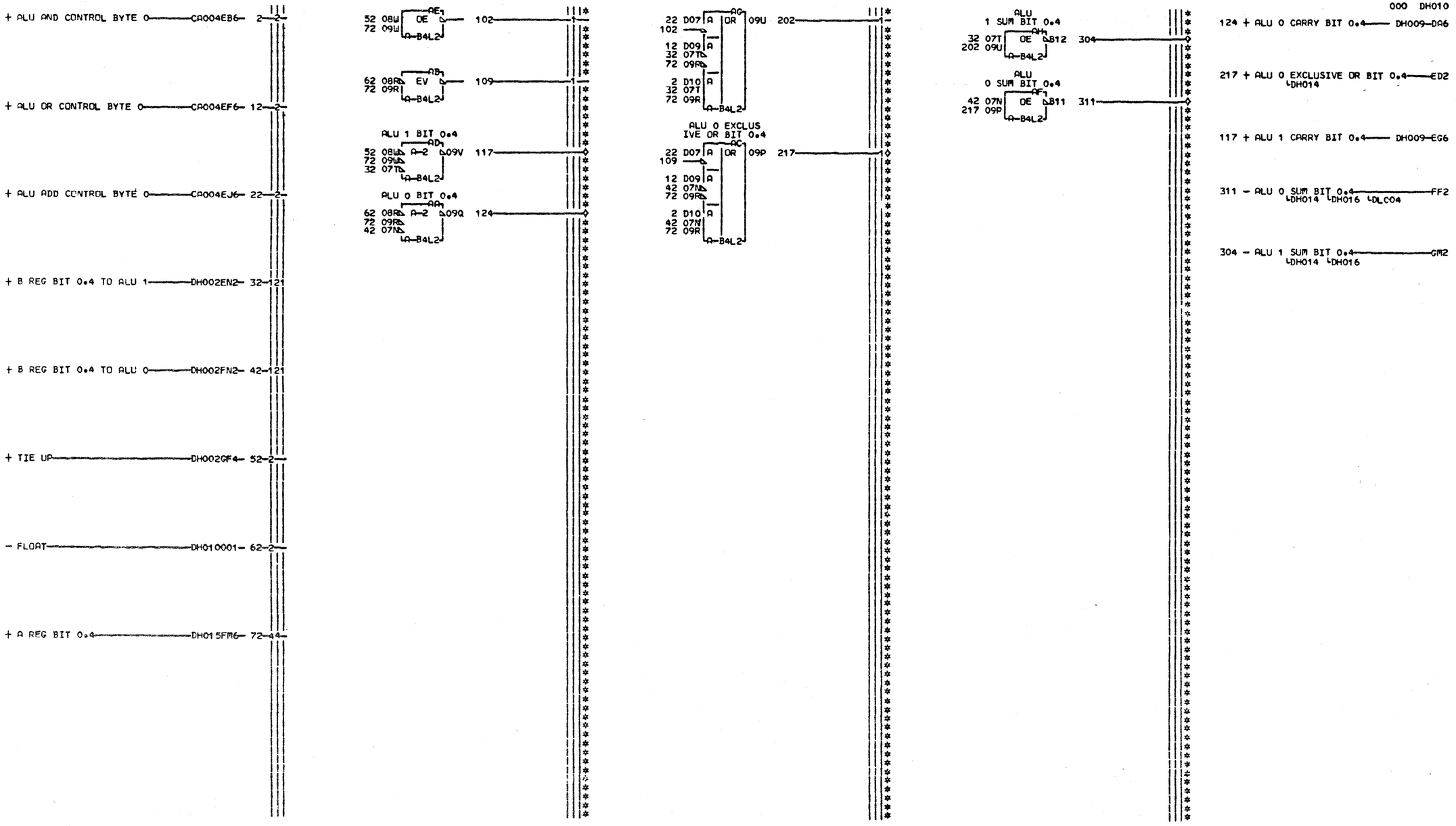
DH009
000

ALU 0 AND ALU 1
BIT 0.3
E.C. HISTORY

MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1852891

DATE LAST EC
10-14-80 344270

DH009
000



LGC. TYPE
A-B4L2 6802

DH010
000

ALU 0 AND ALU 1
BIT 0.4
E.C. HISTORY — E. RACH.3705

DATE	LAST EC	FRAME 01	
10-14-80	344270	IBM CORP.SCD P.N. 1852892	DH010 000

+ INBUS BYTE 0 BIT 2 — AA001DB7* 2
+ INBUS BYTE 0 BIT 3 — AA001DC2* 7
+ INBUS BYTE 0 BIT 4 — AA001DC4* 12
+ ADBUS BIT 0.2 — AA003DB7* 17
+ ADBUS BIT 0.3 — AA003DC2* 22
+ ADBUS BIT 0.4 — AA003DC4* 27
- GATE ADBUS TO Y BUS — CS004CA6- 32
- GATE CCU INDATA TO Y BUS — CS004DB2- 37
- GATE INBUS TO Y BUS — CS004FG2- 42
- GATE TAR TO Y BUS — CS004FJ2- 47
+ SET TAR — CS007CH2- 52
+ SET SAR — CS007EB2- 57
+ CCU INDATA BIT 0.2 — CU011DG4- 62
+ CCU INDATA BIT 0.3 — CU011DJ4- 67
+ CCU INDATA BIT 0.4 — CU011DK4- 72
- Z REG BIT 0.2 — DH014DB2- 77
- Z REG BIT 0.3 — DH014DB7- 82
- Z REG BIT 0.4 — DH014FJ2- 87

TAR BIT 0.4 (AC, PH): 87 -48H CD; 52 ZS05 C; A-B4L2 → 46H 104
TAR BIT 0.3 (AB, PH): 82 -48L CD; 52 ZS05 C; A-B4L2 → 48K 111
TAR BIT 0.2 (AA, PH): 77 -49K CD; 52 ZS05 C; A-B4L2 → 49J 118

Y BUS BIT 0.4 (AF, A): 37 ZM07 OR; 72 ZP10; 27 ZS02 OR; 32 ZU06; 12 -S04 OR; 42 -U05; 47 -S08 OR; 104 -46H; A-B4L2 → 203
Y BUS BIT 0.3 (AE, A): 37 ZM07 OR; 67 ZP12; 47 ZS08 OR; 111 -48K; 7 -U07 OR; 42 -U05; 22 -S09 OR; 32 -U06; A-B4L2 → 218
Y BUS BIT 0.2 (AD, A): 37 ZM07 OR; 62 ZM09; 17 ZS07 OR; 32 ZU06; 2 -U09 OR; 42 -U05; 47 -S08 OR; 118 -49J; A-B4L2 → 233

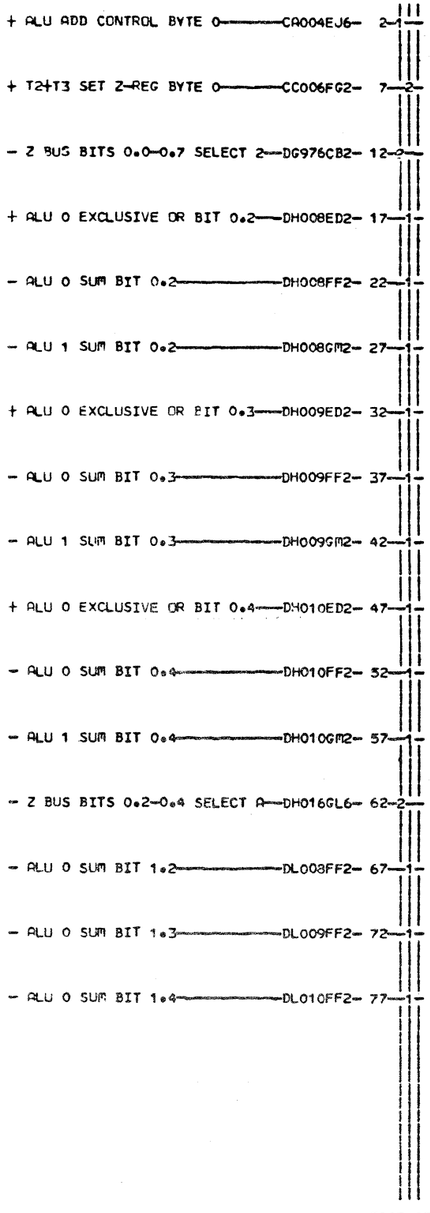
SAR BIT 0.4 (SA, PH): 203 -43H CD; 57 ZM13 C; A-B4L2 → U02 304, 41H 305
SAR BIT 0.3 (AH, PH): 218 -43L CD; 57 ZM13 C; A-B4L2 → S03 311, 43K 312
SAR BIT 0.2 (AG, PH): 233 -44K CD; 57 ZM13 C; A-B4L2 → U03 318, 44J 319

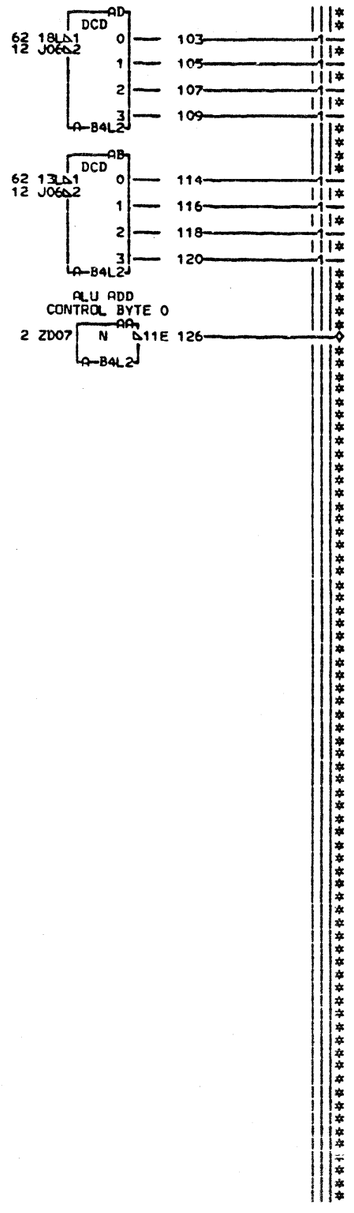
118 — TAR BIT 0.2 — DH003-AC6
111 — TAR BIT 0.3 — DH003-AG6
104 — TAR BIT 0.4 — DH003-AM6
233 — Y BUS BIT 0.2 — DH002-DC4
218 — Y BUS BIT 0.3 — DH002-DH4
203 — Y BUS BIT 0.4 — DH002-DL4
318 + SAR BIT 0.2 — EC2 (◇CV001 ↳DS001 ↳DT001 ↳DU001 ↳DV001)
319 — SAR BIT 0.2 — EC6 (↳DH002 ↳DH015)
311 + SAR BIT 0.3 — EH2 (◇CV001 ↳DS001 ↳DT001 ↳DU001 ↳DV001)
312 -- SAR BIT 0.3 — EH6 (↳DH002 ↳DH015)
304 + SAR BIT 0.4 — EK2 (◇CV001 ↳DS001 ↳DT001 ↳DU001 ↳DV001)
305 — SAR BIT 0.4 — EK6 (↳DH002 ↳DH015)

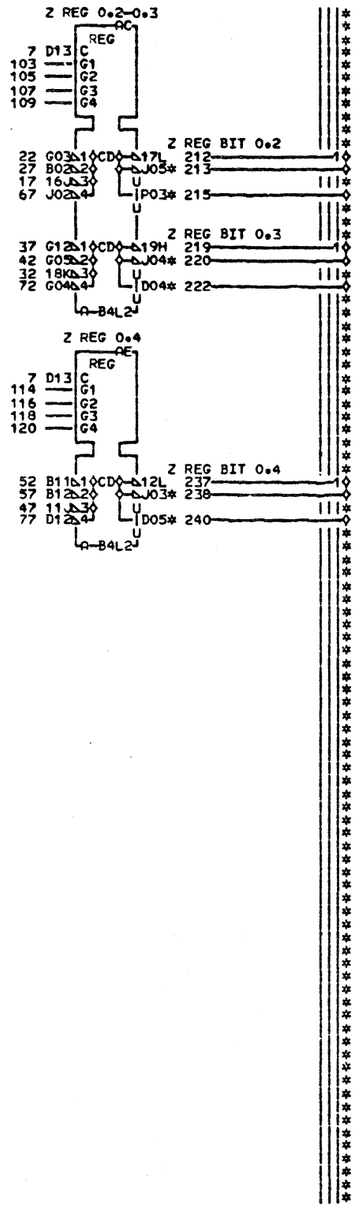
EDGE CONN.
2 RESISTOR A-B4L2U09
7 RESISTOR A-B4L2U07
12 RESISTOR A-B4L2S04
17 RESISTOR A-B4L2S07
22 RESISTOR A-B4L2S09
27 RESISTOR A-B4L2S02

LOC. TYPE
A-B4L2 6802

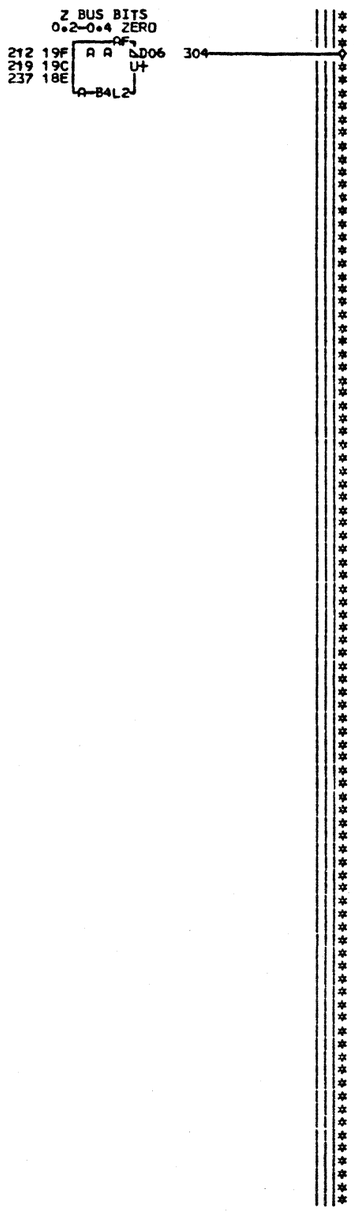
SAR TAR AND Y BUS ASSEMBLERS
BITS 0.2-0.4
E.C.-HISTORY — E. MACH.3705
344270
FRAME 01
IBM CORP.SCD
P.N. 1852893
DATE LAST EC
06-02-81 344828







LOC. TYPE
A-B4L2 6802



000 DH014

126 — ALU ADD CONTROL BYTE 0 — DH016-AC2

212 — Z REG BIT 0.2 — DB2
DH002 DH003 DH011

219 — Z REG BIT 0.3 — DB7
DH002 DH003 DH011

237 — Z REG BIT 0.4 — FJ2
DH002 DH003 DH011

213 — Z BUS BIT 0.2 — GB6
CK002 CR001 CU010 CU014
CV001 DG976 DN001

215 + OUTBUS BIT 0.2 — AA001-GC2

220 — Z BUS BIT 0.3 — GF6
CK002 CM003 CR001 CV001
DG976 DN002

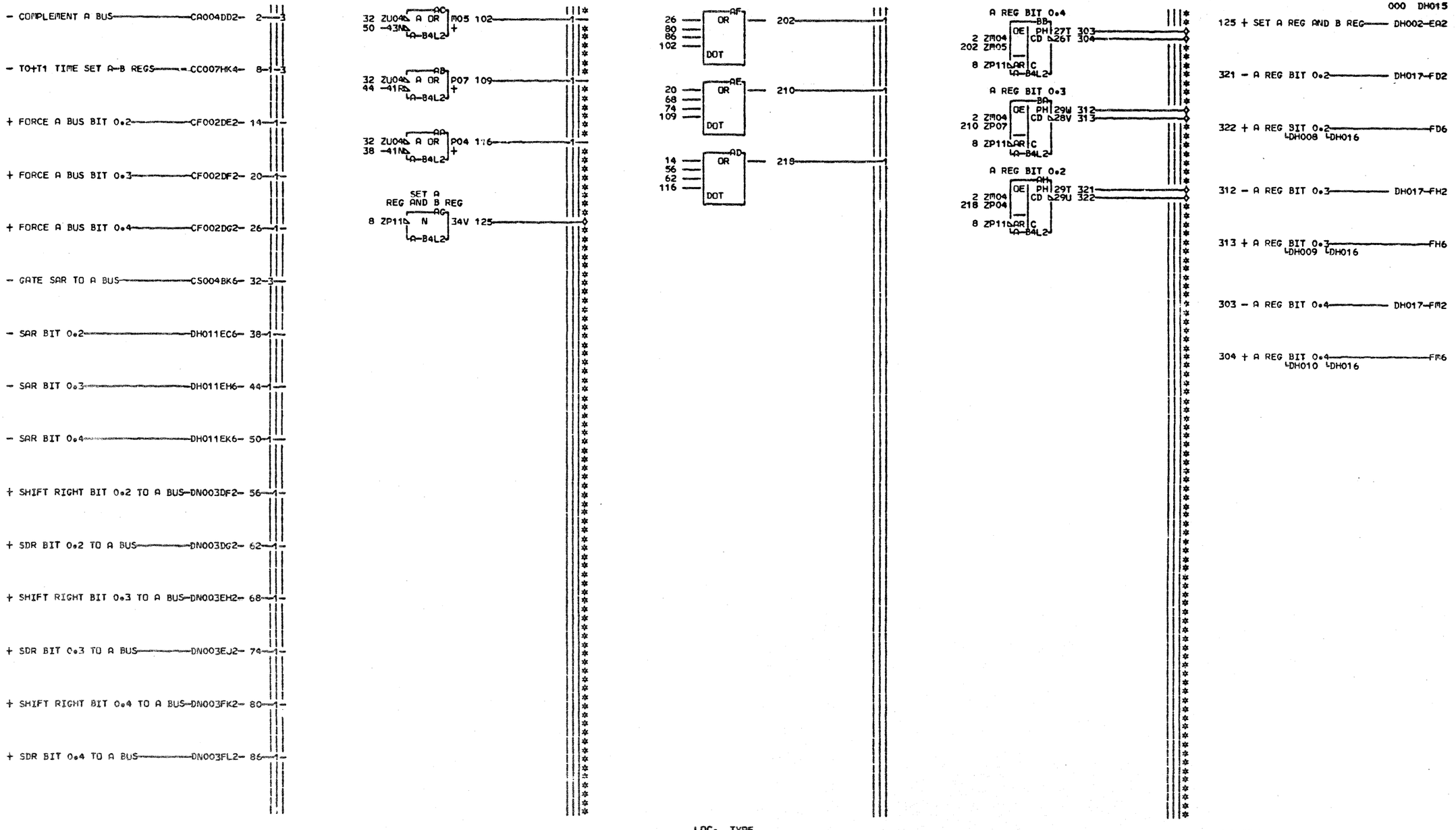
222 + OUTBUS BIT 0.3 — AA001-GG2

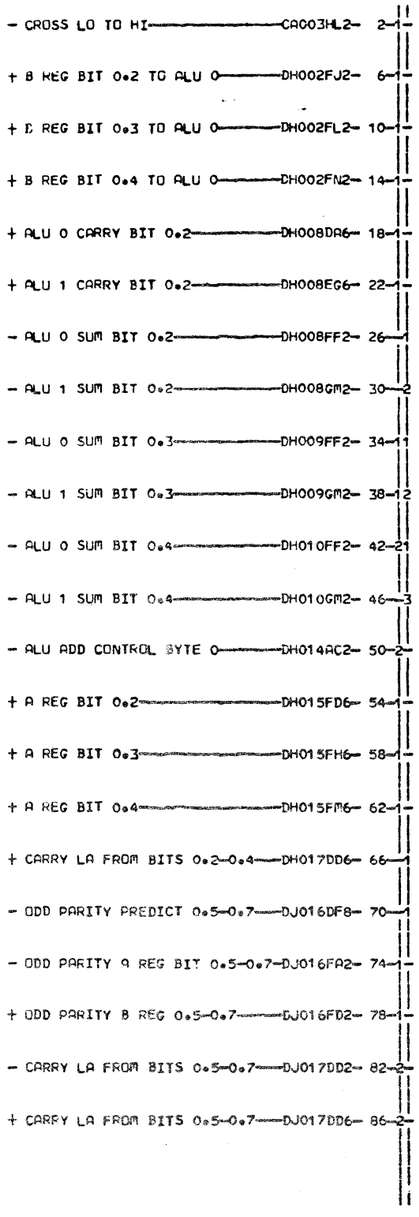
238 — Z BUS BIT 0.4 — GK6
CK002 CR001 CR006 CV001
DG976 DN002

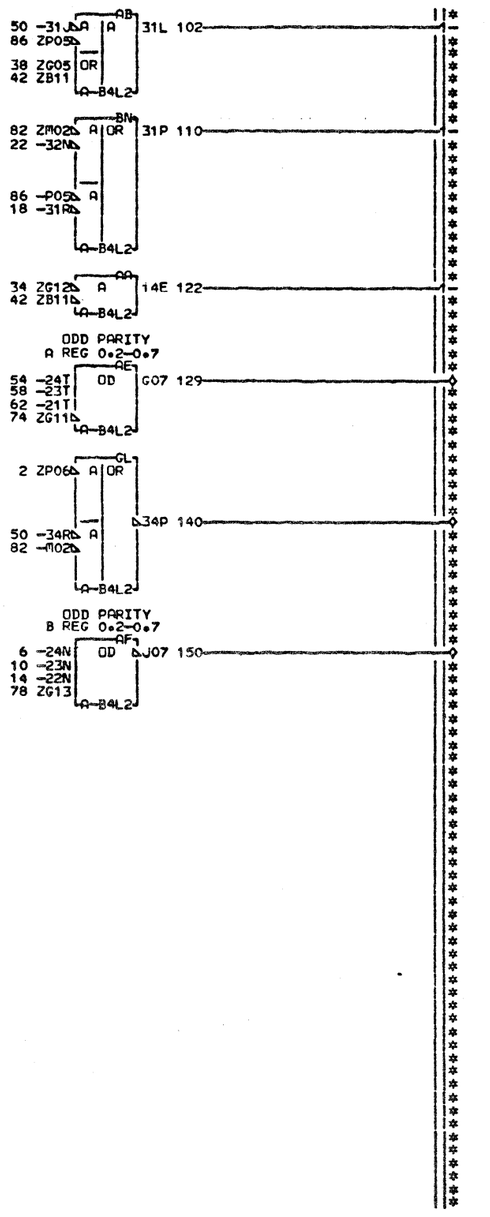
240 + OUTBUS BIT 0.4 — AA001-GL2

304 — Z BUS BITS 0.2-0.4 ZERO DG974-GM6

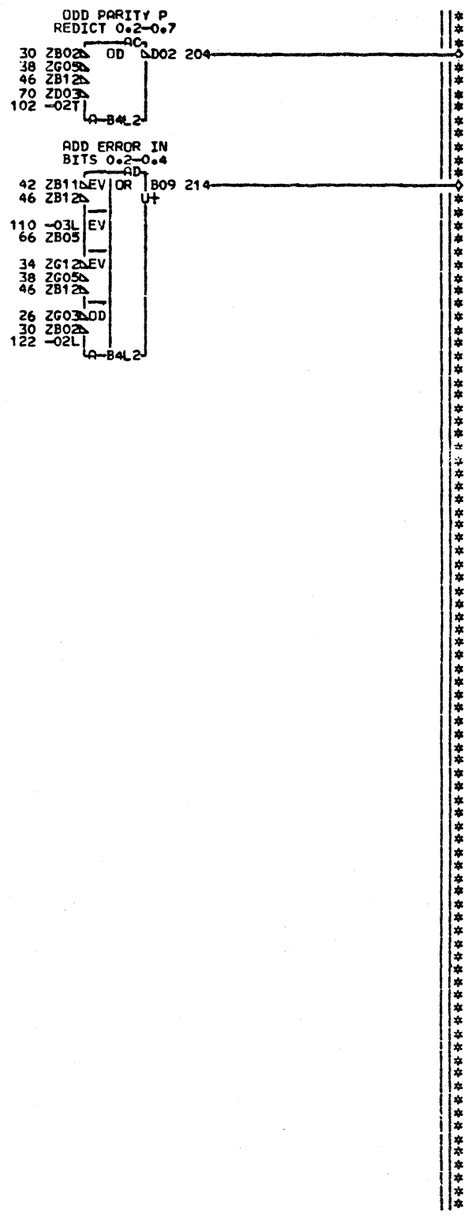
ALU 0 ALU 1 AND Z REG
BITS 0.2-0.4
E.C. HISTORY E.C.
MACH.3705
FRAME 01
IBM CORP.SCD
DH014
DATE LAST EC
10-14-80 344270
P.N. 1852894
000


- COMPLEMENT A BUS CA004DD2 2
- TO+T1 TIME SET A-B REGS CC007HK4 8
+ FORCE A BUS BIT 0.2 CF002DE2 14
+ FORCE A BUS BIT 0.3 CF002DF2 20
+ FORCE A BUS BIT 0.4 CF002DG2 26
- GATE SAR TO A BUS CS004BK6 32
- SAR BIT 0.2 DH011EC6 38
- SAR BIT 0.3 DH011EH6 44
- SAR BIT 0.4 DH011EK6 50
+ SHIFT RIGHT BIT 0.2 TO A BUS DN003DF2 56
+ SDR BIT 0.2 TO A BUS DN003DG2 62
+ SHIFT RIGHT BIT 0.3 TO A BUS DN003EH2 68
+ SDR BIT 0.3 TO A BUS DN003EJ2 74
+ SHIFT RIGHT BIT 0.4 TO A BUS DN003FK2 80
+ SDR BIT 0.4 TO A BUS DN003FL2 86
32 ZU04 A OR M05 102
50 43N
32 ZU04 A OR P07 109
44 41R
32 ZU04 A OR P04 116
38 41N
SET A REG AND B REG
8 ZP11 N 34V 125
26 80 86 102 OR DOT 202
20 68 74 109 OR DOT 210
14 56 62 116 OR DOT 218
A REG BIT 0.4
2 ZM04 202 ZM05 OE CD PH 27T 303 26T 304
8 ZP11 AR C
A REG BIT 0.3
2 ZM04 210 ZP07 OE CD PH 29W 312 28V 313
8 ZP11 AR C
A REG BIT 0.2
2 ZM04 218 ZP04 OE CD PH 29T 321 29U 322
8 ZP11 AR C
000 DH015
125 + SET A REG AND B REG DH002-EA2
321 - A REG BIT 0.2 DH017-FD2
322 + A REG BIT 0.2 FD6
DH008 DH016
312 - A REG BIT 0.3 DH017-FH2
313 + A REG BIT 0.3 FH6
DH009 DH016
303 - A REG BIT 0.4 DH017-FM2
304 + A REG BIT 0.4 FM6
DH010 DH016
LOC. TYPE
A-B4L2 6802
DH015
000
A BUS ASSEMBLER
BITS 0.2-0.4
E.C.-HISTORY
E. MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1852895
DH015
000
DATE LAST EC
10-14-80 344270





LOC. TYPE
A-B4L2 6802



000 DH016

204 - ODD PARITY PREDICT 0.2-0.7 — DF8
LDG976

214 + ADD ERROR IN BIT> 0.2-0.4 — DJ6
LDG976

129 + ODD PARITY A REG 0.2-0.7 — FA2
LDG974

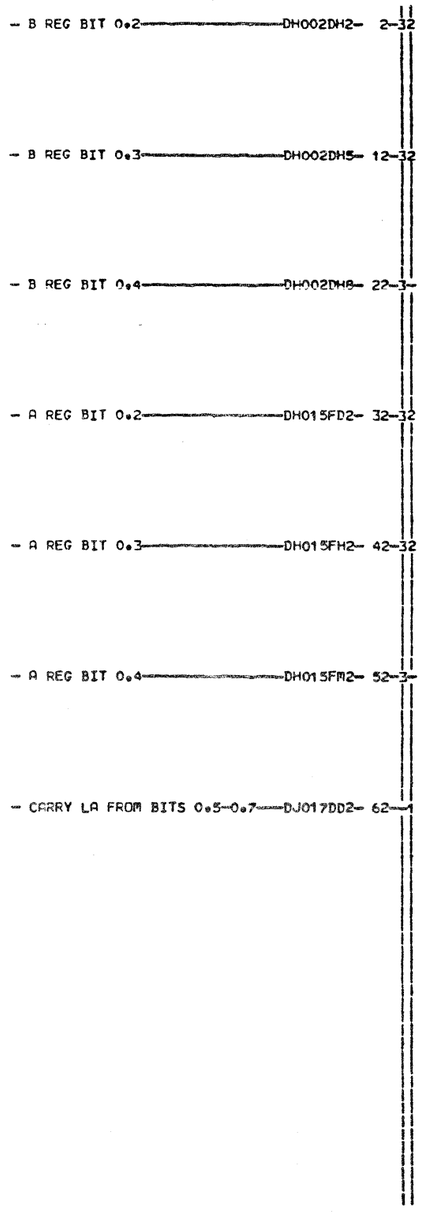
150 - ODD PARITY B REG 0.2-0.7 — FD2
LDG974

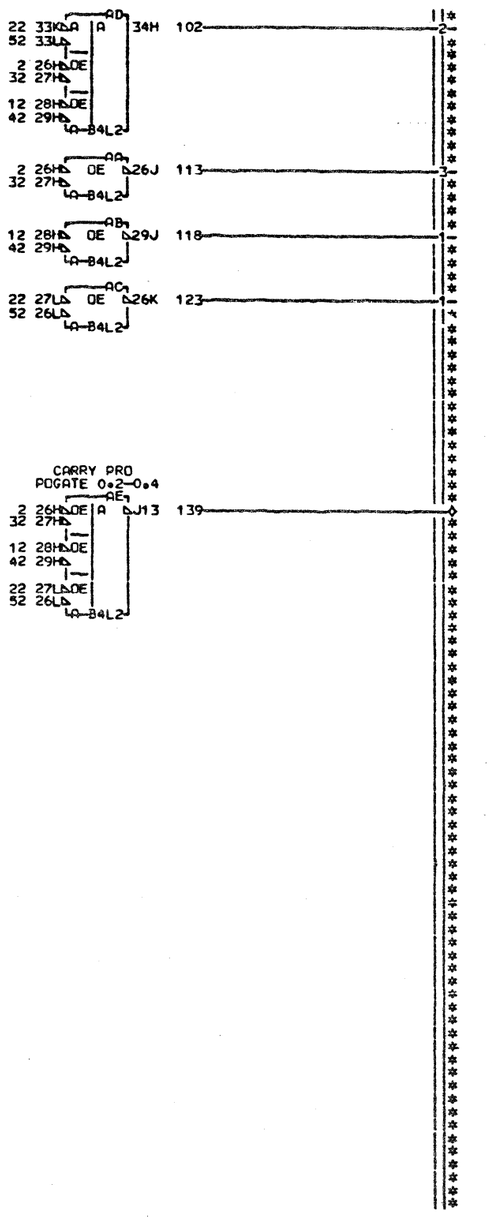
140 - Z BUS BITS 0.2-0.4 SELECT A — GL6
LDH014

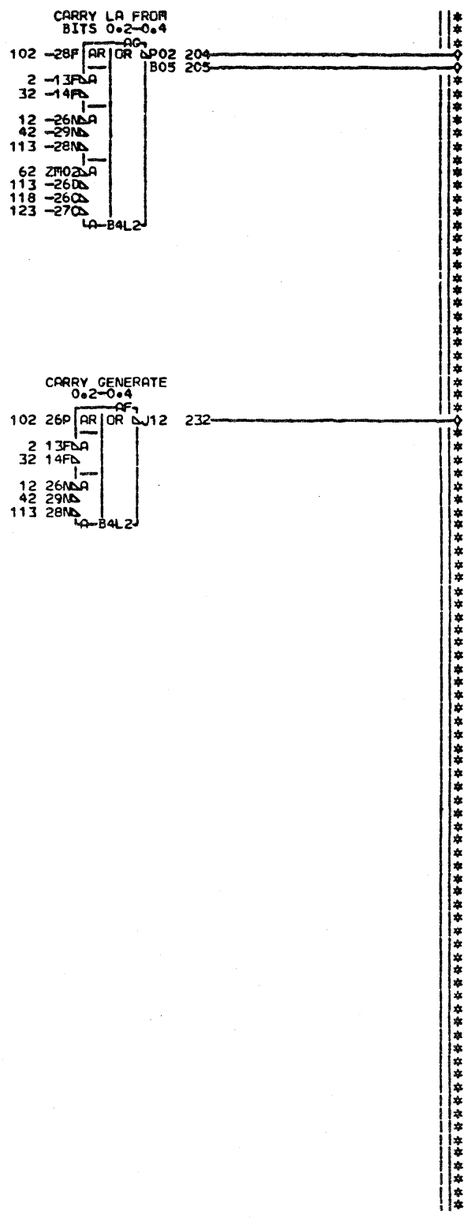
DH016
000

ALU CHECK
BITS 0.2-0.4
E.C. HISTORY

	MACH.3705	
	FRAME 01	
DATE LAST EC	IBM CORP.SCD	DH016
10-14-80 344270	P.No. 1852896	000







000 DH017

139 - CARRY PROPOGATE 0.2-0.4 DG977-CJ6

232 - CARRY GENERATE 0.2-0.4- DG977-DB2

204 - CARRY LA FROM BITS 0.2-0.4 DD2
DG976 DG977

205 + CARRY LA FROM BITS 0.2-0.4 DD6
DG976 DH016

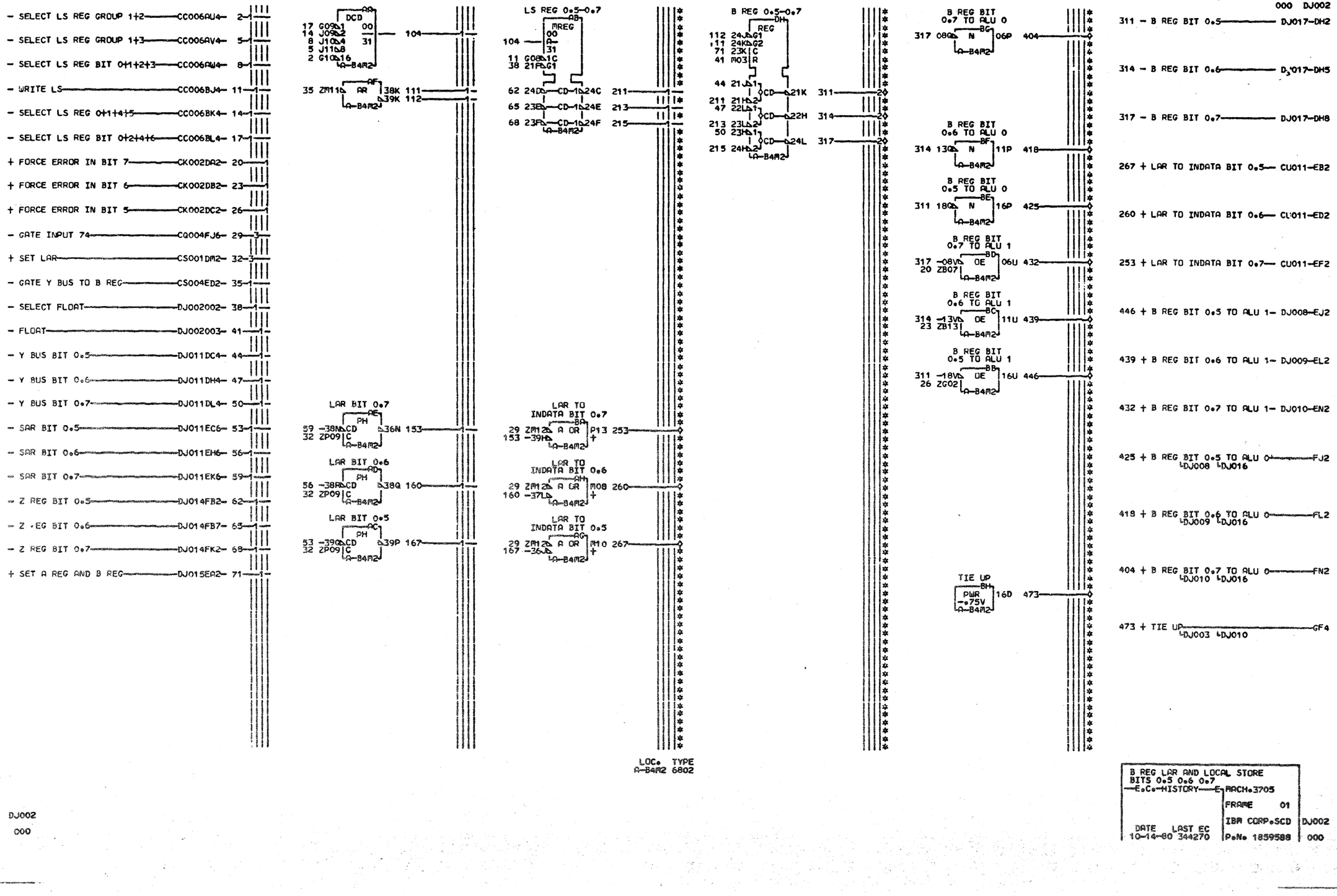
LOC. TYPE
A-B4L2 6802

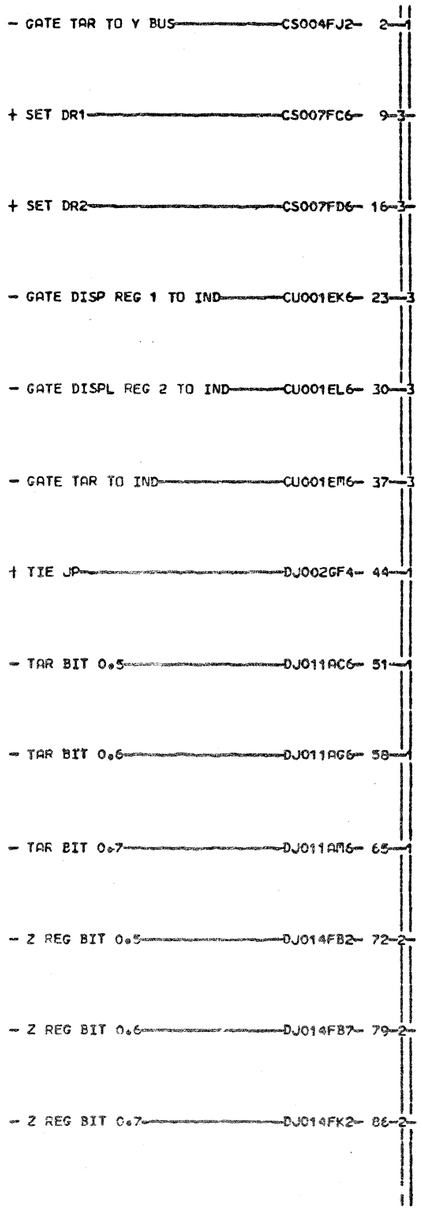
DH017
000

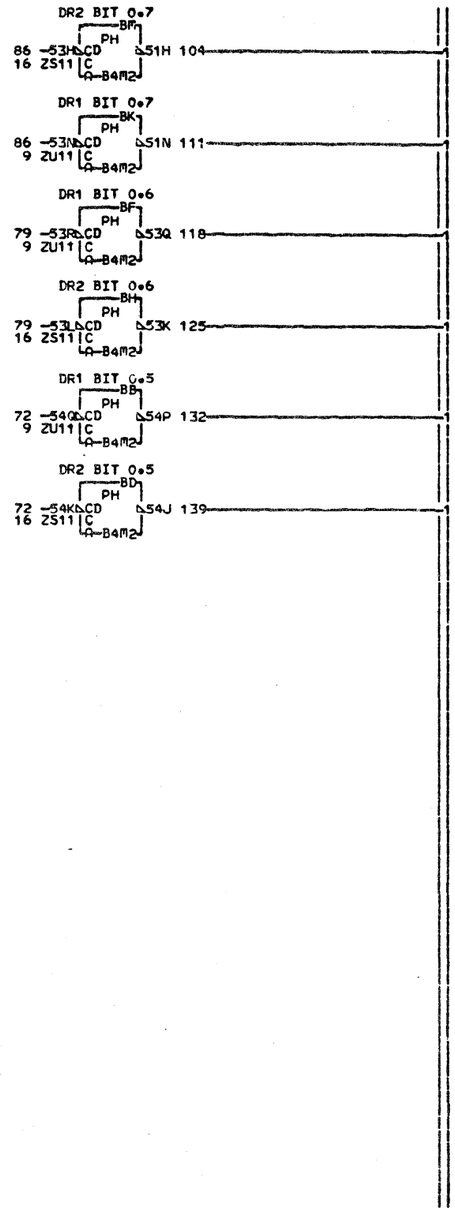
3-BIT CARRY LOOKAHEAD
BITS 0.2-0.4
E.C. HISTORY

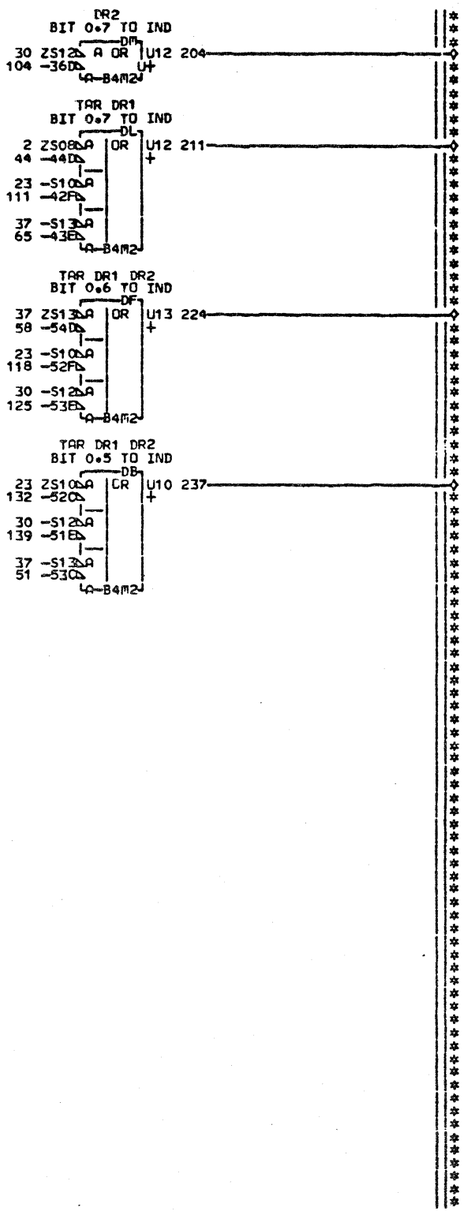
DATE	LAST EC
10-14-80	344270

MACH.3705
FRAME 01
IBM CORP.SCD DH017
P.N. 1852897 000


- SELECT LS REG GROUP 1+2 CC006AU4- 2
- SELECT LS REG GROUP 1+3 CC006AV4- 5
- SELECT LS REG BIT 0+1+2+3 CC006AW4- 8
- WRITE LS CC006BJ4- 11
- SELECT LS REG 0+1+4+5 CC006BK4- 14
- SELECT LS REG BIT 0+2+4+6 CC006BL4- 17
+ FORCE ERROR IN BIT 7 CK002DA2- 20
+ FORCE ERROR IN BIT 6 CK002DB2- 23
+ FORCE ERROR IN BIT 5 CK002DC2- 26
- GATE INPUT 74 CQ004FJ6- 29
+ SET LAR CS001DM2- 32
- GATE Y BUS TO B REG CS004ED2- 35
- SELECT FLOAT DJ002002- 38
- FLOAT DJ002003- 41
- Y BUS BIT 0.5 DJ011DC4- 44
- Y BUS BIT 0.6 DJ011DH4- 47
- Y BUS BIT 0.7 DJ011DL4- 50
- SAR BIT 0.5 DJ011EC6- 53
- SAR BIT 0.6 DJ011EH6- 56
- SAR BIT 0.7 DJ011EK6- 59
- Z REG BIT 0.5 DJ014FB2- 62
- Z REG BIT 0.6 DJ014FB7- 65
- Z REG BIT 0.7 DJ014FK2- 68
+ SET A REG AND B REG DJ015EA2- 71
DCD
17 G09 1 00
14 J09 2
8 J10 4 31
5 J11 8
2 G10 16
B4M2
104
35 ZM11 AR 38K 111
39K 112
LAR BIT 0.7
PH
59 -38N CD 36N 153
32 ZP09 C
LAR BIT 0.6
PH
56 -38R CD 38Q 160
32 ZP09 C
LAR BIT 0.5
PH
53 -39Q CD 39P 167
32 ZP09 C
LS REG 0.5-0.7
MREG
00
31
104
11 G08 1C
38 21P G1
62 24D CD-1 24C 211
65 23E CD-1 24E 213
68 23F CD-1 24F 215
LAR TO INDATA BIT 0.7
29 ZM12 A OR P13 253
153 -39H +
LAR TO INDATA BIT 0.6
29 ZM12 A OR M08 260
160 -37L +
LAR TO INDATA BIT 0.5
29 ZM12 A OR M10 267
167 -36J +
LOC. TYPE
B4M2 6802
B REG 0.5-0.7
REG
112 24J G1
111 24K G2
71 23K C
41 M03 R
44 21J 1
211 21H 2
47 22L 1
213 23L 2
50 23H 1
215 24H 2
CD 21K 311
CD 22H 314
CD 24L 317
B REG BIT 0.7 TO ALU 0
317 08G N 06P 404
B REG BIT 0.6 TO ALU 0
314 13G N 11P 418
B REG BIT 0.5 TO ALU 0
311 18G N 16P 425
B REG BIT 0.7 TO ALU 1
317 -08V OE 06U 432
20 ZB07
B REG BIT 0.6 TO ALU 1
314 -13V OE 11U 439
23 ZB13
B REG BIT 0.5 TO ALU 1
311 -18V OE 16U 446
26 ZG02
TIE UP
PWR
-.75V
16D 473
000 DJ002
311 - B REG BIT 0.5 DJ017-DH2
314 - B REG BIT 0.6 DJ017-DH5
317 - B REG BIT 0.7 DJ017-DH8
267 + LAR TO INDATA BIT 0.5 CU011-EB2
260 + LAR TO INDATA BIT 0.6 CU011-ED2
253 + LAR TO INDATA BIT 0.7 CU011-EF2
446 + B REG BIT 0.5 TO ALU 1 DJ008-EJ2
439 + B REG BIT 0.6 TO ALU 1 DJ009-EL2
432 + B REG BIT 0.7 TO ALU 1 DJ010-EN2
425 + B REG BIT 0.5 TO ALU 0 FJ2
DJ008 DJ016
418 + B REG BIT 0.6 TO ALU 0 FL2
DJ009 DJ016
404 + B REG BIT 0.7 TO ALU 0 FN2
DJ010 DJ016
473 + TIE UP GF4
DJ003 DJ010
B REG LAR AND LOCAL STORE
BITS 0.5 0.6 0.7
E.C. HISTORY
ARCH.3705
FRAME 01
IBM CORP.SCD DJ002
P.N. 1859588 000
DATE LAST EC
10-14-80 344270
DJ002
000







000 DJ003

237 + TAR DR1 DR2 BIT 0.5 TO IND—DB2
4AP013

224 + TAR DR1 DR2 BIT 0.6 TO IND—DF2
4AP013

211 + TAR DR1 BIT 0.7 TO IND— AP013-DL2

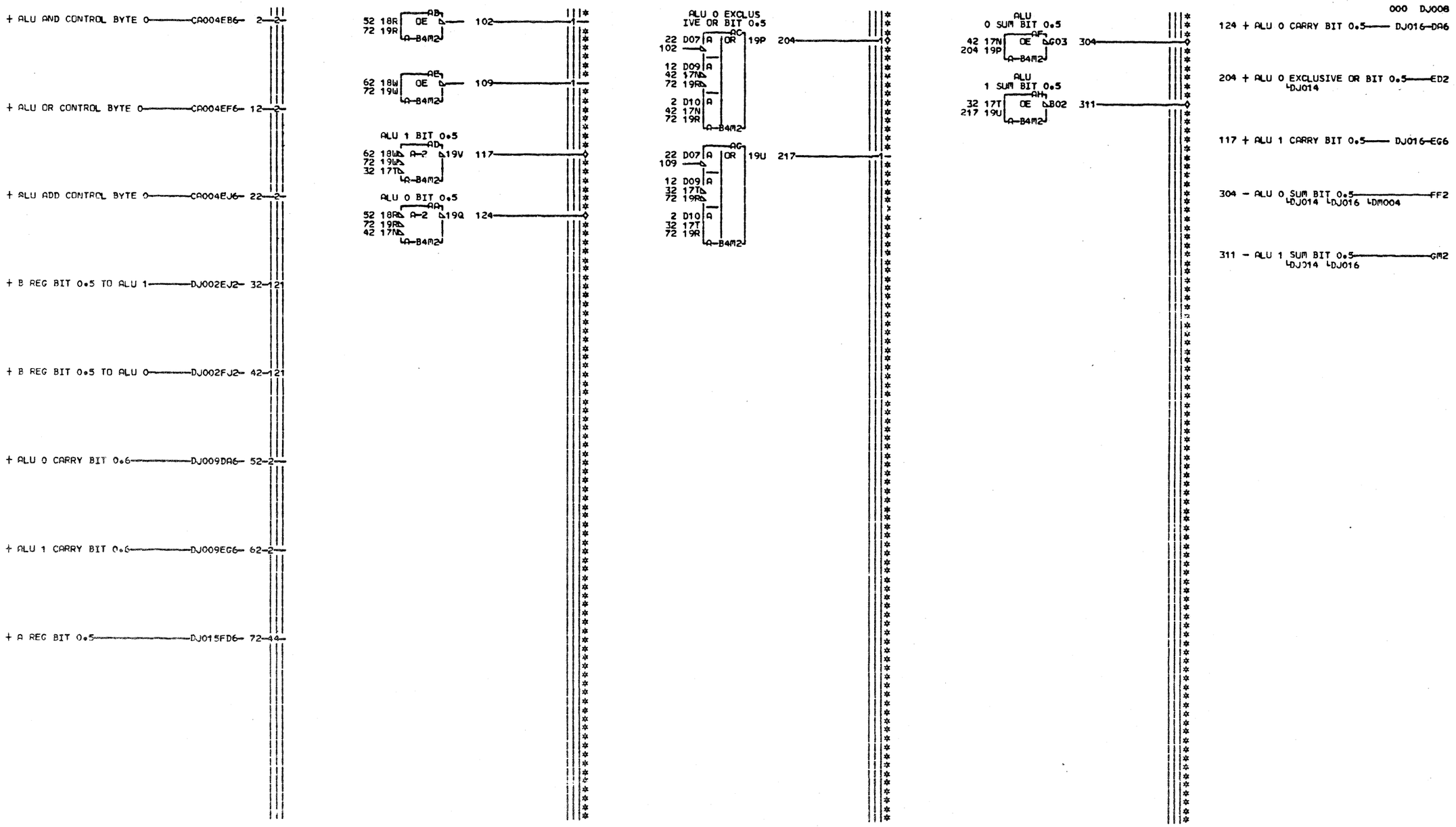
204 + DR2 BIT 0.7 TO IND— AP013-DM2

LOC. TYPE
A-B4M2 6802

DJ003
000

CCU DISPLAY REGISTERS 1 AND 2
BITS 0.5 0.6 AND 0.7

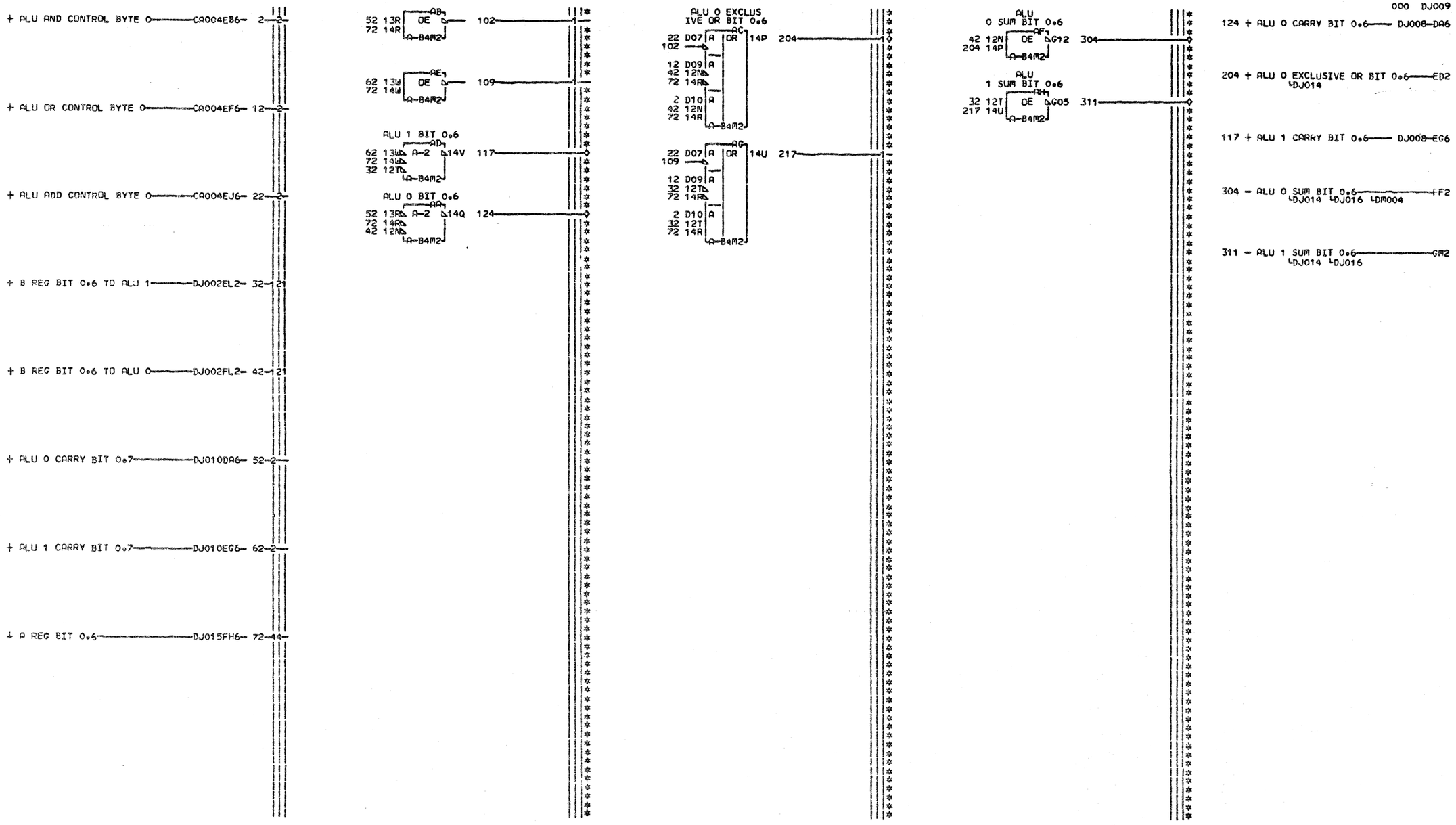
E.C.-HISTORY	E.	MACH.3705	
		FRAME 01	
		IBM CORP.SCD	DJ003
DATE LAST EC		P.N. 1839589	000
10-14-80 344270			



LOC. TYPE
A-B4M2 6802

DJ008
000

ALU 0 AND ALU 1
BIT 0.5
E.C.-HISTORY E.C. MACH.3705
FRAME 01
IBM CORP.SCD DJ008
DATE LAST EC
10-14-80 344270
P.N. 1859590 000

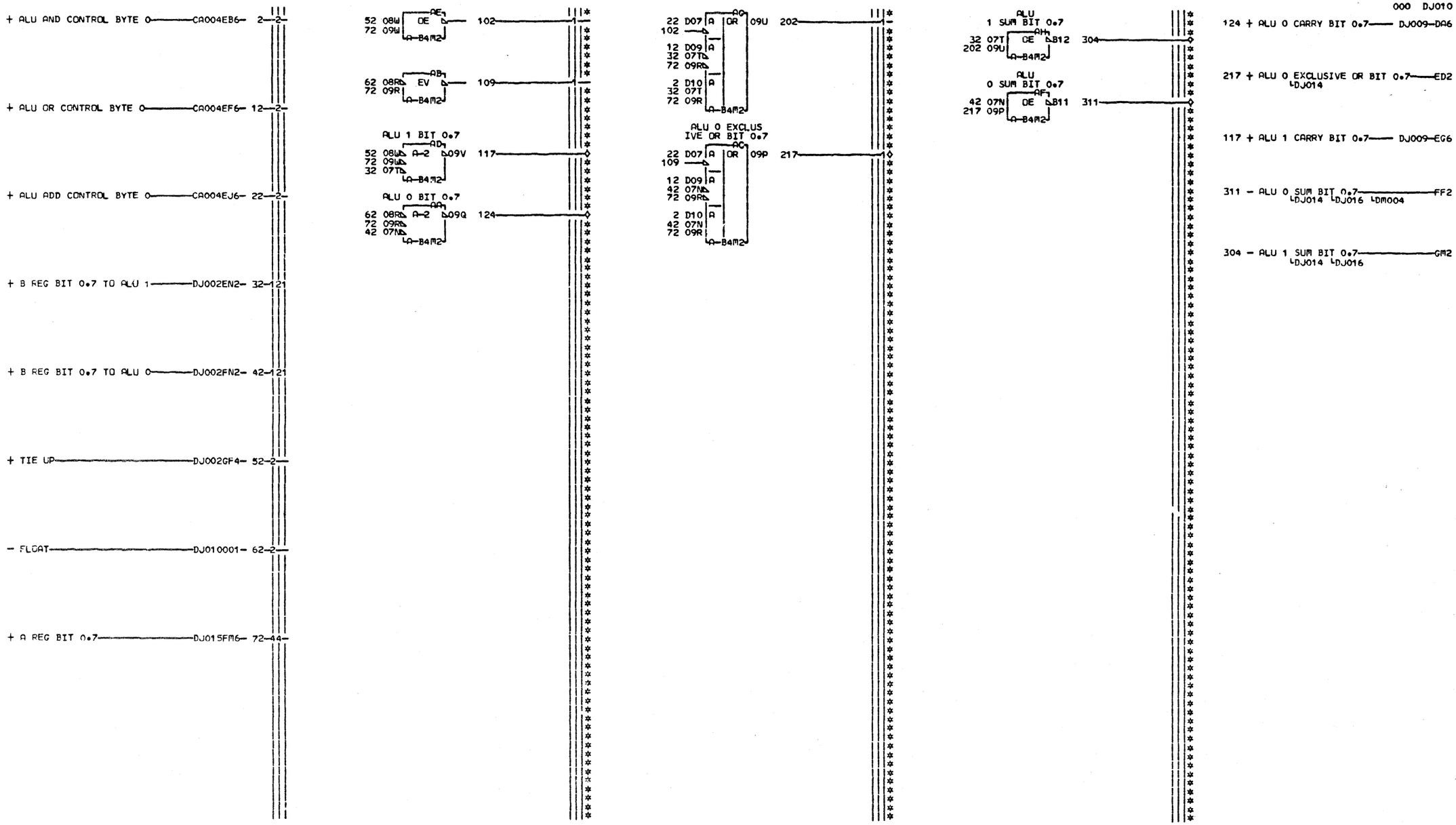


LCC. TYPE
A-B4M2 6802

DJ009
000

ALU 0 AND ALU 1
BIT 0.6
E.C. HISTORY — E. MACH.3705

	FRAME 01
DATE LAST EC	IBM CORP.SCD DJ009
10-14-80 344270	P.N. 1859591 000



LOC. TYPE
A-B4M2 6802

DJ010
000

ALU 0 AND ALU 1
BIT 0.7
E.C.-HISTORY

MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1859592

DATE LAST EC
10-14-80 344270

DJ010
000

+ INBUS BYTE 0 BIT 5 — AA001DC6* 2
+ INBUS BYTE 0 BIT 6 — AA001DD1* 7
+ INBUS BYTE 0 BIT 7 — AA001DD3* 12
+ ADBUS BIT 0.5 — AA003DC6* 17
+ ADBUS BIT 0.6 — AA003DD1* 22
+ ADBUS BIT 1.7 — AA003DD3* 27
- GATE ADBUS TO Y BUS — CS004CA6- 32
- GATE CCU INDATA TO Y BUS — CS004DB2- 37
- GATE INBUS TO Y BUS — CS004FG2- 42
- GATE TAR TO Y BUS — CS004FJ2- 47
+ SET TAR — CS007CH2- 52
+ SET SAR — CS007EB2- 57
+ CCU INDATA BIT 0.5 — CU011DL4- 62
+ CCU INDATA BIT 0.7 — CU011DM4- 67
+ CCU INDATA BIT 0.6 — CU011DN4- 72
- Z REG BIT 0.5 — DJ014FB2- 77
- Z REG BIT 0.6 — DJ014FB7- 82
- Z REG BIT 0.7 — DJ014FK2- 87

TAR BIT 0.7 (AO, PH)
87 -48H CD
52 ZS05 C
A-B4M2
46H 104

TAR BIT 0.6 (AB, PH)
82 -48L CD
52 ZS05 C
A-B4M2
48K 111

TAR BIT 0.5 (AA, PH)
77 -49K CD
52 ZS05 C
A-B4M2
49J 118

Y BUS BIT 0.7 (AF)
37 ZM07 OR
67 ZP10
27 ZS02 OR
32 ZU06
12 -S04 OR
42 -U05
47 -S08 OR
104 -46H
A-B4M2
A 203

Y BUS BIT 0.6 (AE)
37 ZM07 OR
72 ZP12
47 ZS08 OR
111 -48K
7 -U07 OR
42 -U05
22 -S09 OR
32 -U06
A-B4M2
A 218

Y BUS BIT 0.5 (AD)
37 ZM07 OR
62 ZM09
17 ZS07 OR
32 ZU06
2 -U09 OR
42 -U05
47 -S08 OR
118 -49J
A-B4M2
A 233

SAR BIT 0.7 (BA, PH)
203 -43H CD
57 ZM13 C
A-B4M2
U02 304
41H 305

SAR BIT 0.6 (AH, PH)
218 -43L CD
57 ZM13 C
A-B4M2
S03 311
43K 312

SAR BIT 0.5 (AG, PH)
233 -44K CD
57 ZM13 C
A-B4M2
U03 318
44J 319

000 DJ011

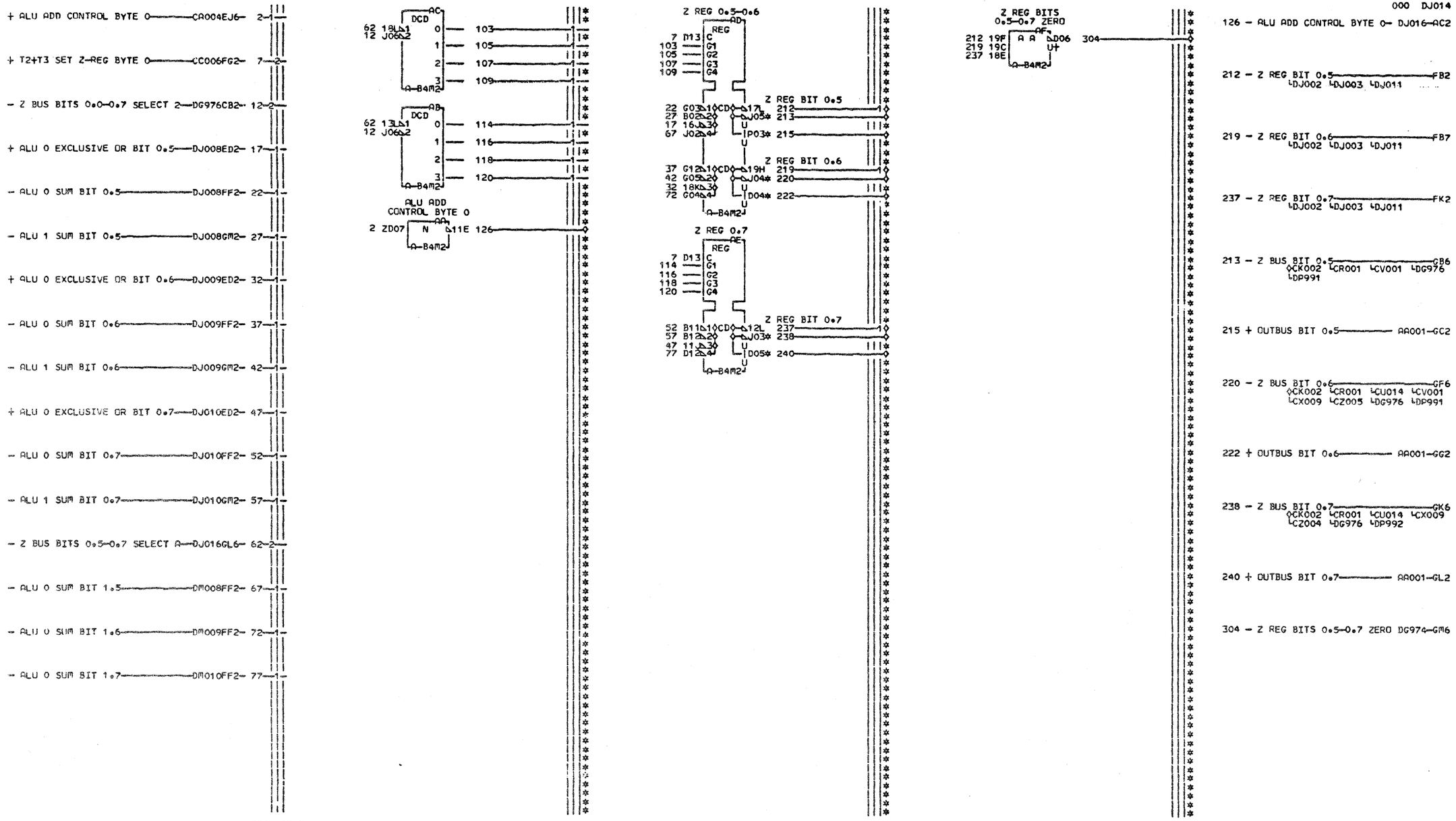
118 - TAR BIT 0.5 — DJ003-AC6
111 - TAR BIT 0.6 — DJ003-AG6
104 - TAR BIT 0.7 — DJ003-AM6
233 - Y BUS BIT 0.5 — DJ002-DC4
218 - Y BUS BIT 0.6 — DJ002-DH4
203 - Y BUS BIT 0.7 — DJ002-DL4
318 + SAR BIT 0.5 — EC2
◇CV001 ↳CW001 ↳CW011 ↳CW013
↳DS001 ↳DT001 ↳DU001 ↳DV001
319 - SAR BIT 0.5 — EC6
↳DJ002 ↳DJ015
311 + SAR BIT 0.6 — EH2
◇CV001 ↳CW001 ↳CW011 ↳CW013
↳DS001 ↳DT001 ↳DU001 ↳DV001
312 - SAR BIT 0.6 — EH6
↳DJ002 ↳DJ015
304 + SAR BIT 0.7 — EK2
◇CV001 ↳CW001 ↳CW012 ↳CW013
↳DS001 ↳DT001 ↳DU001 ↳DV001
305 - SAR BIT 0.7 — EK6
↳DJ002 ↳DJ015

EDGE CONN.
2 RESISTOR A-B4M2U09
7 RESISTOR A-B4M2U07
12 RESISTOR A-B4M2S04
17 RESISTOR A-B4M2S07
22 RESISTOR A-B4M2S09
27 RESISTOR A-B4M2S02

LOC. TYPE
A-B4M2 6802

SAR TAR AND Y BUS ASSEMBLERS
BITS 0.5-0.7
E.C. HISTORY | MACH.3705
344270 | FRAME 01
DATE LAST EC | IBM CORP.SCD | DJ011
06-02-81 344828 | P.N. 1859593 | 000

DJ011
000

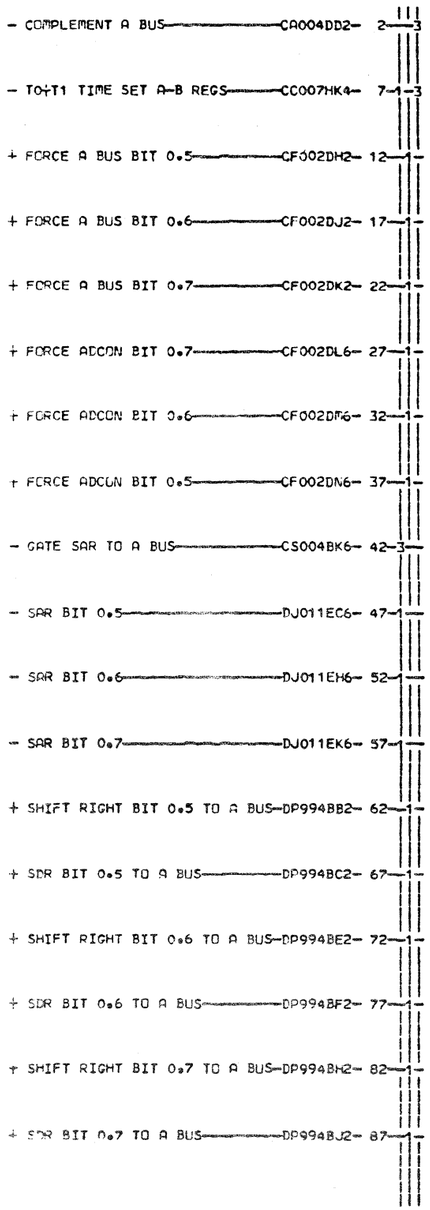


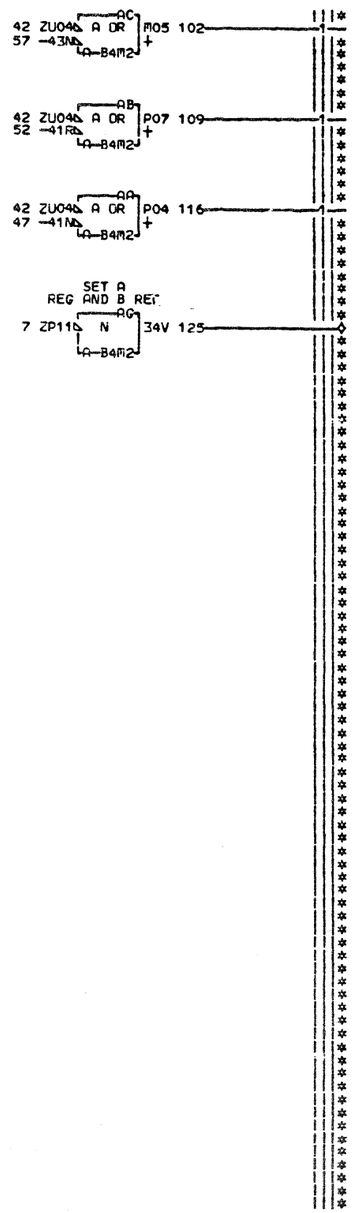
EDGE CONN.
213 A-B4E1D11
01A-B3E6D02
215 A-B4U4B10
220 A-B4E1D13
01A-B3E6D04
222 A-B4U4B12
238 A-B4E1E11
01A-B3E6E02
240 A-B4U4B13

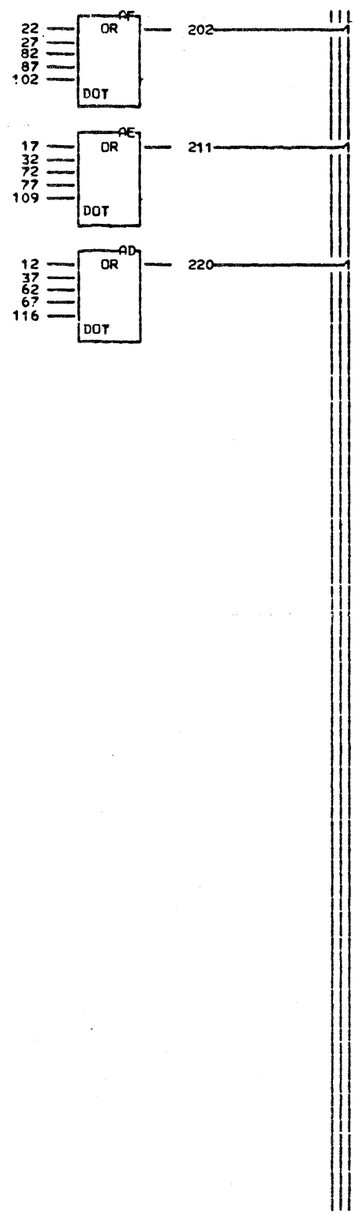
DJ014
000

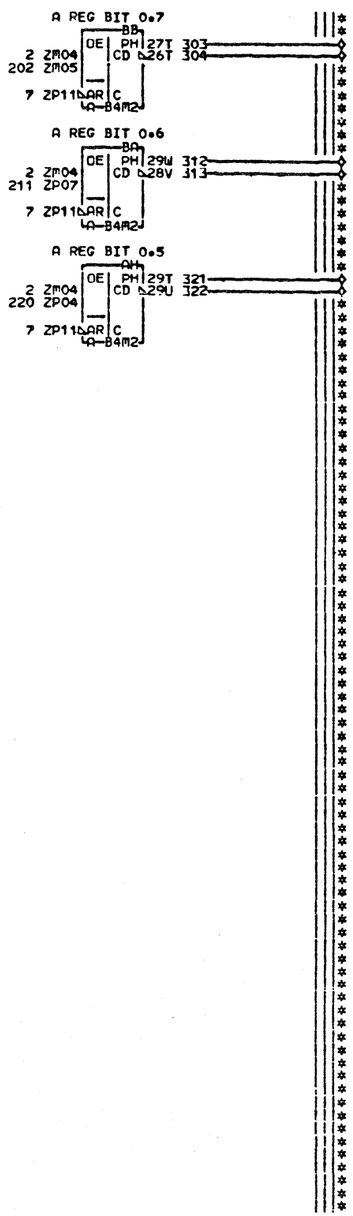
LOC. TYPE
A-B4F2 6802

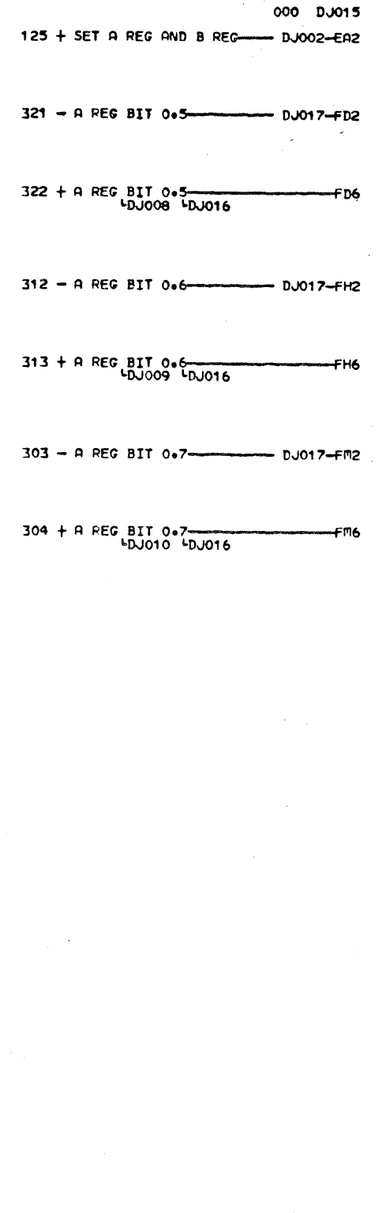
ALU 0 ALU 1 AND Z REG BITS 0.5-0.7		
E.C.-HISTORY	MACH.3705	
	FRAME 01	
	IBM CORP.SCD	DJ014
DATE LAST EC	P.N. 1859594	000
10-14-80 344270		











LOC. TYPE
A-B4M2 6802

DJ015
000

A BUS ASSEMBLER
BITS 0.5-0.7
E.C. HISTORY E. MACH.3705

DATE	LAST EC		
10-14-80	344270	FRAME 01 IBM CORP.SCD P.N. 1859595	DJ015 000

- CROSS LO TO HI ——— CA003HL2 — 2-1
+ FORCE A REG PARITY ERROR ——— CK001GB2 — 6-1
+ BYTE 0 TIE UP ——— DG002GF4 — 10-11
+ B REG BIT 0.5 TO ALU 0 ——— DJ002FJ2 — 14-1
+ B REG BIT 0.6 TO ALU 0 ——— DJ002FL2 — 18-1
+ B REG BIT 0.7 TO ALU 0 ——— DJ002FN2 — 22-1
+ ALU 0 CARRY BIT 0.5 ——— DJ008DA6 — 26-1
+ ALU 1 CARRY BIT 0.5 ——— DJ008EG6 — 30-1
- ALU 0 SUM BIT 0.5 ——— DJ008FF2 — 34-1
- ALU 1 SUM BIT 0.5 ——— DJ008GM2 — 38-2
- ALU 0 SUM BIT 0.6 ——— DJ009FF2 — 42-11
- ALU 1 SUM BIT 0.6 ——— DJ009GM2 — 46-12
- ALU 0 SUM BIT 0.7 ——— DJ010FF2 — 50-21
- ALU 1 SUM BIT 0.7 ——— DJ010GM2 — 54-3
- ALU ADD CONTROL BYTE 0 ——— DJ014AC2 — 58-2
+ A REG BIT 0.5 ——— DJ015FD6 — 62-1
+ A REG BIT 0.6 ——— DJ015FH6 — 66-1
+ A REG BIT 0.7 ——— DJ015FM6 — 70-1
+ CARRY LA FROM BITS 0.5-0.7 ——— DJ017DD6 — 74-1
- CARRY LA FROM BITS 1.0-1.4 ——— DK977EG2 — 78-2
+ CARRY LA FROM BITS 1.0-1.4 ——— DK977EG6 — 82-2

78 ZM02 A OR (BN) 31P 102
30 -32M
82 -P05 A
26 -31R
A-B4M2

42 ZG12 A (AA) 14E 114
50 ZB11
A-B4M2

58 -31J A A (AB) 31L 119
82 ZP05
46 ZG05 OR
50 ZB11
A-B4M2

2 ZP06 A OR (GL)
58 -34R A 34P 131
78 -M02
A-B4M2

ODD PARITY B REG 0.5-0.7
10 ZG13 EV (AF) J07 141
14 -24N
18 -23N
22 -22N
A-B4M2

ODD PARITY A REG BIT 0.5-0.7
6 ZG11 OD (AE) G07 150
62 -24T
66 -23T
70 -21T
A-B4M2

LGC. TYPE
A-B4M2 6802

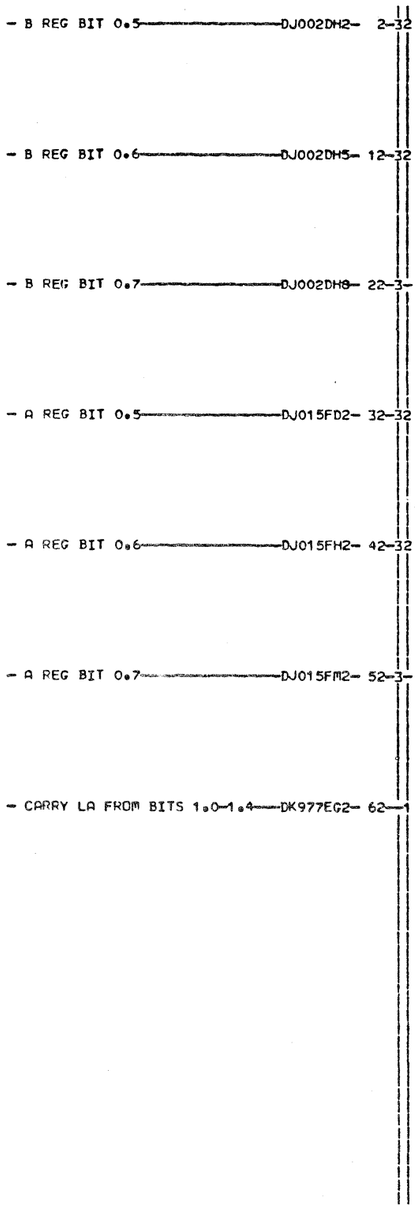
ADD ERROR IN BITS 0.5-0.7
50 ZB11 EV OR (AD) B09 204
54 ZB12 U+
102 -03L EV
74 ZB05
42 ZG12 EV
46 ZG05
54 ZB12
34 ZG03 OD
38 ZB02
114 -02L
A-B4M2

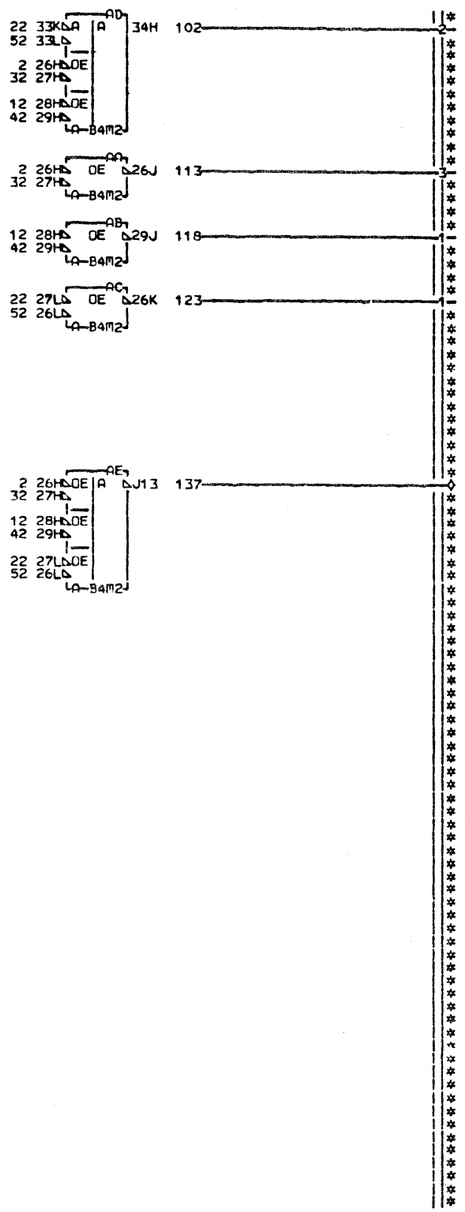
ODD PARITY P REDICT 0.5-0.7
10 ZD03 EV (AC) D02 222
38 ZB02
46 ZG05
54 ZB12
119 -02T
A-B4M2

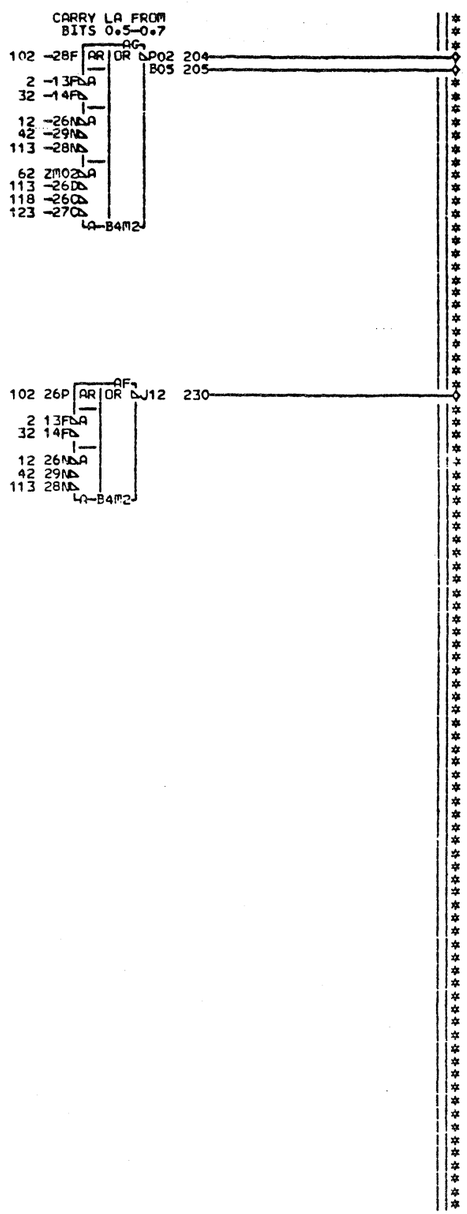
000 DJ016
222 - ODD PARITY PREDICT 0.5-0.7 ——— DF8
└DH016
204 + ADD ERROR IN BITS 0.5-0.7 ——— DJ6
└DG976
150 - ODD PARITY A REG BIT 0.5-0.7 — FA2
└DH016
141 + ODD PARITY B REG 0.5-0.7 ——— FD2
└DH016
131 - Z BUS BITS 0.5-0.7 SELECT A ——— GL6
└DJ014

DJ016
000

ALU CHECK BITS 0.5-0.7
—E.C.-HISTORY——E
MACH.3705
FRAME 01
IBM CORP.SCD | DJ016
P.N. 1859596 | 000
DATE LAST EC
10-14-80 344270







000 DJ017

137 TEST POINT CJ6

230 TEST POINT DB2

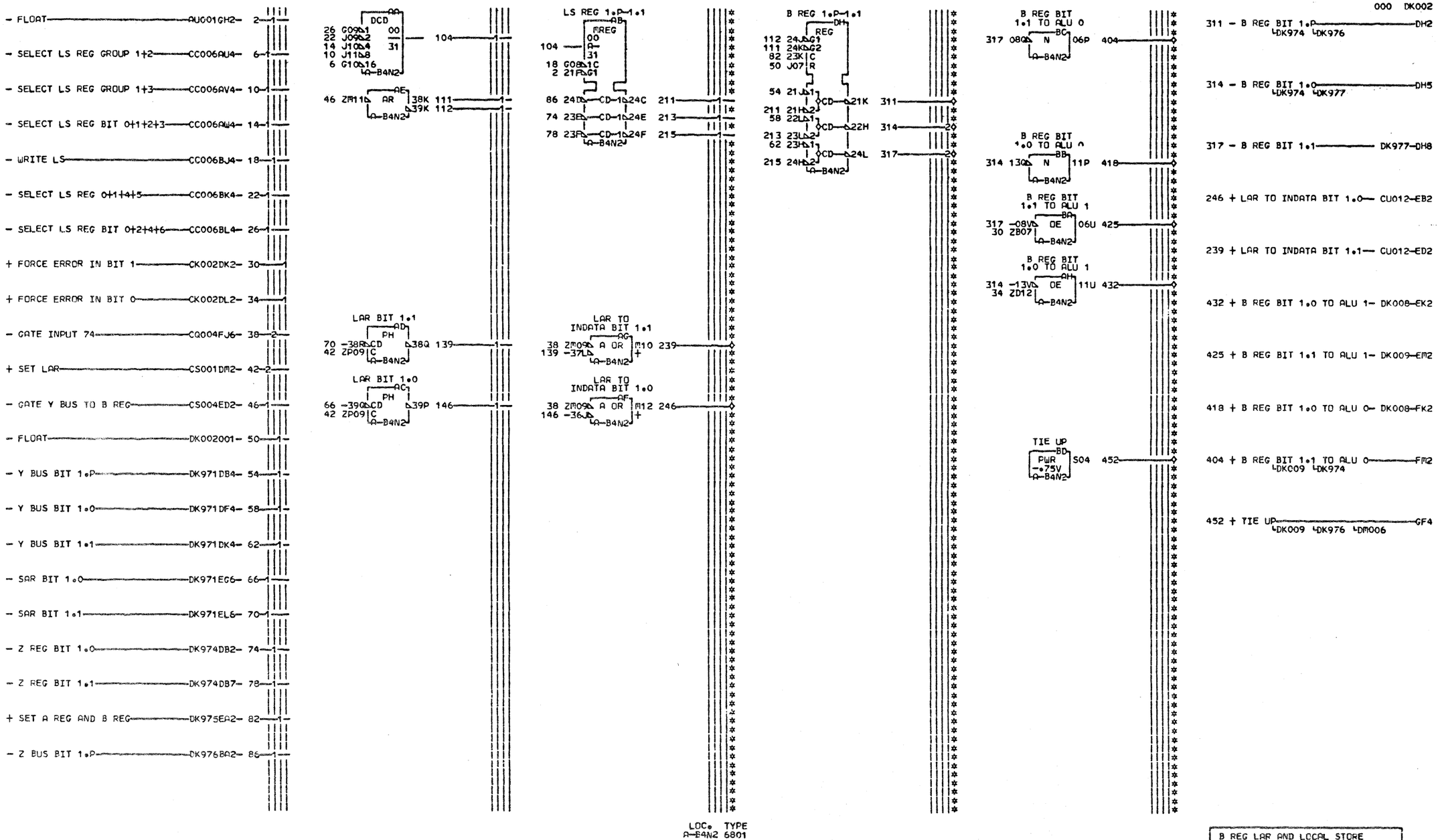
204 - CARRY LA FROM BITS 0.5-0.7 DD2
LDH016 LDH017

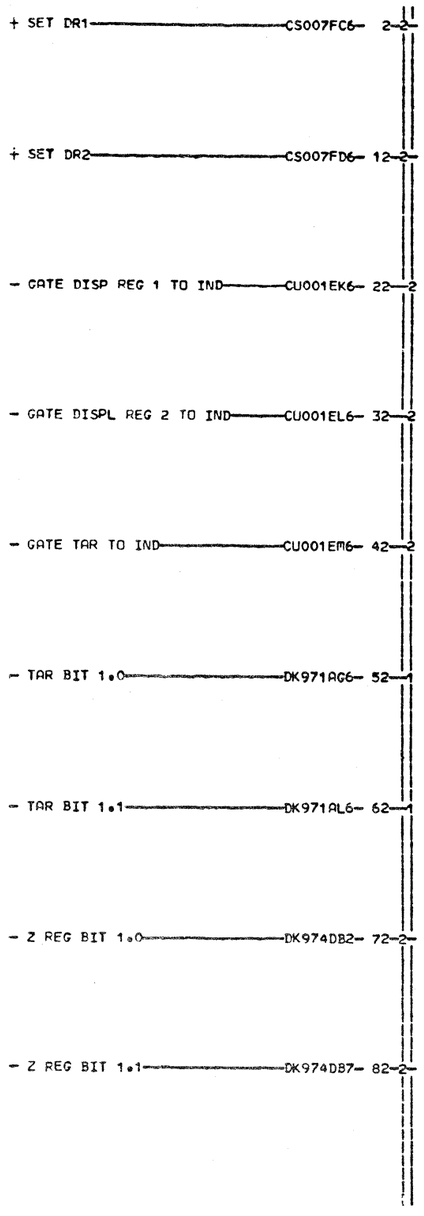
205 + CARRY LA FROM BITS 0.5-0.7 DD6
LDH016 LDJ016

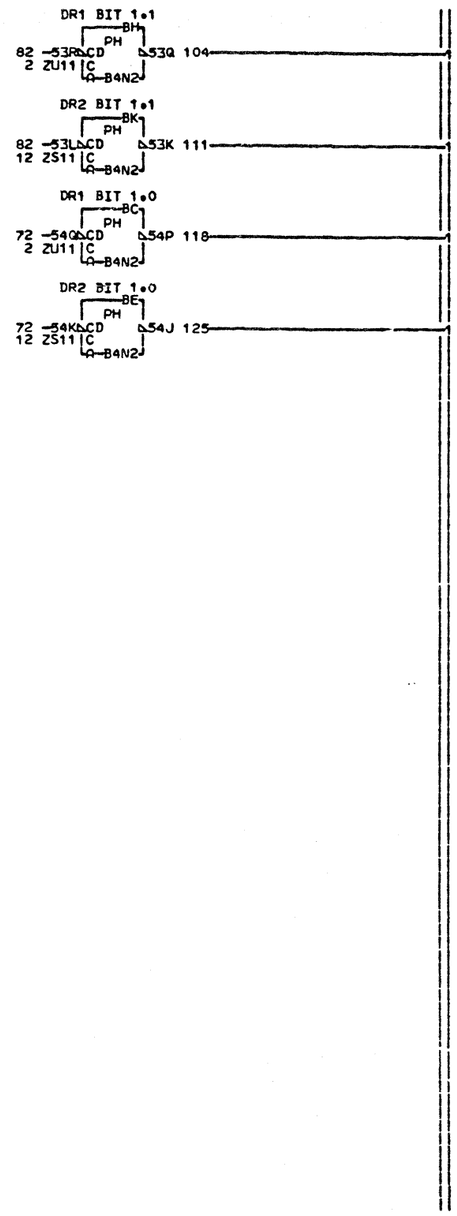
LOC. TYPE
A-B4M2 6802

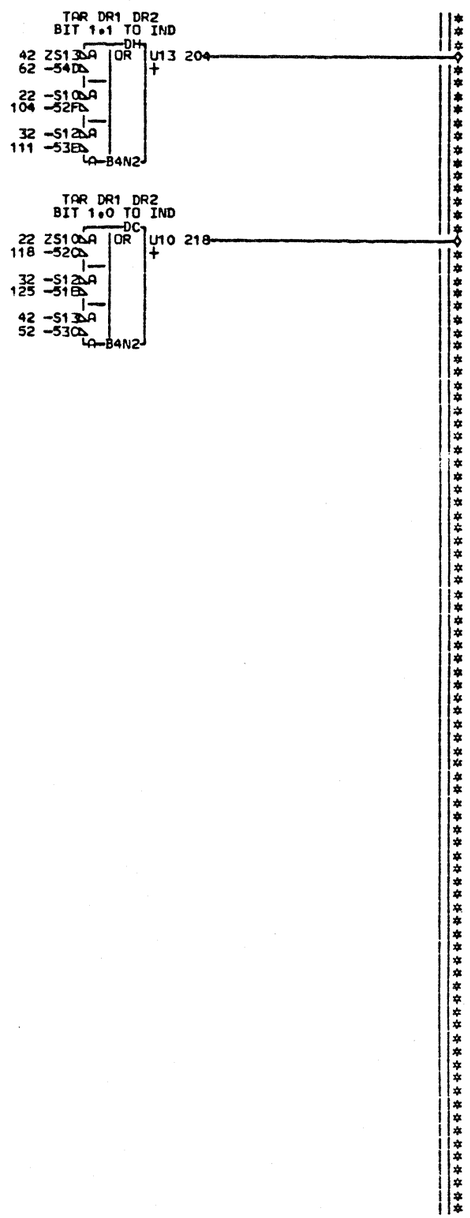
DJ017
000

3-BIT CARRY LOOKAHEAD
BITS 0.5-0.7
E.C. HISTORY | E. MACH.3705
FRAME 01
IBM CORP.SCD | DJ017
DATE LAST EC | P.N. 1859597 | 000
10-14-80 344270


- FLOAT AU001GH2- 2
- SELECT LS REG GROUP 1+2 CC006AU4- 6
- SELECT LS REG GROUP 1+3 CC006AV4- 10
- SELECT LS REG BIT 0+1+2+3 CC006AW4- 14
- WRITE LS CC006BJ4- 18
- SELECT LS REG 0+1+4+5 CC006BK4- 22
- SELECT LS REG BIT 0+2+4+6 CC006BL4- 26
+ FORCE ERROR IN BIT 1 CK002DK2- 30
+ FORCE ERROR IN BIT 0 CK002DL2- 34
- GATE INPUT 74 CQ004FJ6- 38
+ SET LAR CS001DM2- 42
- GATE Y BUS TO B REG CS004ED2- 46
- FLOAT DK002001- 50
- Y BUS BIT 1.P DK971DB4- 54
- Y BUS BIT 1.0 DK971DF4- 58
- Y BUS BIT 1.1 DK971DK4- 62
- SAR BIT 1.0 DK971EG6- 66
- SAR BIT 1.1 DK971EL6- 70
- Z REG BIT 1.0 DK974DB2- 74
- Z REG BIT 1.1 DK974DB7- 78
+ SET A REG AND B REG DK975EA2- 82
- Z BUS BIT 1.P DK976BA2- 86
DCD
26 G09 1 00
22 J09 2
14 J10 4 31
10 J11 8
6 G10 16
B4N2
104
46 ZM11 AR 38K 111
39K 112
LAR BIT 1.1
PH
70 -38R CD 38Q 139
42 ZP09 C
LAR BIT 1.0
66 -39Q CD 39P 146
42 ZP09 C
LS REG 1.P 1.1
MREG
104 00
31
18 G08 1C
2 21F G1
86 24D CD 24C 211
74 23E CD 24E 213
78 23F CD 24F 215
LAR TO INDATA BIT 1.1
38 ZM09 A OR M10 239
139 -37L +
LAR TO INDATA BIT 1.0
38 ZM09 A OR M12 246
146 -36J +
B REG 1.P 1.1
REG
112 24J G1
111 24K G2
82 23K C
50 J07 R
54 21J CD 21K 311
211 21H CD 22H 314
213 23L CD 24L 317
215 24H
B REG BIT 1.1 TO ALU 0
317 08Q N 06P 404
B REG BIT 1.0 TO ALU 0
314 13Q N 11P 418
B REG BIT 1.1 TO ALU 1
317 -08V OE 06U 425
30 ZB07
B REG BIT 1.0 TO ALU 1
314 -13V OE 11U 432
34 ZD12
TIE UP
PWR -.75V S04 452
000 DK002
311 - B REG BIT 1.P DH2
LDK974 LDK976
314 - B REG BIT 1.0 DH5
LDK974 LDK977
317 - B REG BIT 1.1 DK977-DH8
246 + LAR TO INDATA BIT 1.0 CU012-EB2
239 + LAR TO INDATA BIT 1.1 CU012-ED2
432 + B REG BIT 1.0 TO ALU 1 DK008-EK2
425 + B REG BIT 1.1 TO ALU 1 DK009-EM2
418 + B REG BIT 1.0 TO ALU 0 DK008-FK2
404 + B REG BIT 1.1 TO ALU 0 FM2
LDK009 LDK974
452 + TIE UP GF4
LDK009 LDK976 LDM006
LOC. TYPE
A-B4N2 6801
DK002
000
B REG LAR AND LOCAL STORE
BITS 1.P 1.0 1.1
E.C. HISTORY
E. MACH.3705
FRAME 01
IBM CORP.SCD DK002
DATE LAST EC
10-14-80 344270
P.N. 1859598 000







000 DK003

218 + TAR DR1 DR2 BIT 1.0 TO IND —DC2
WAP014

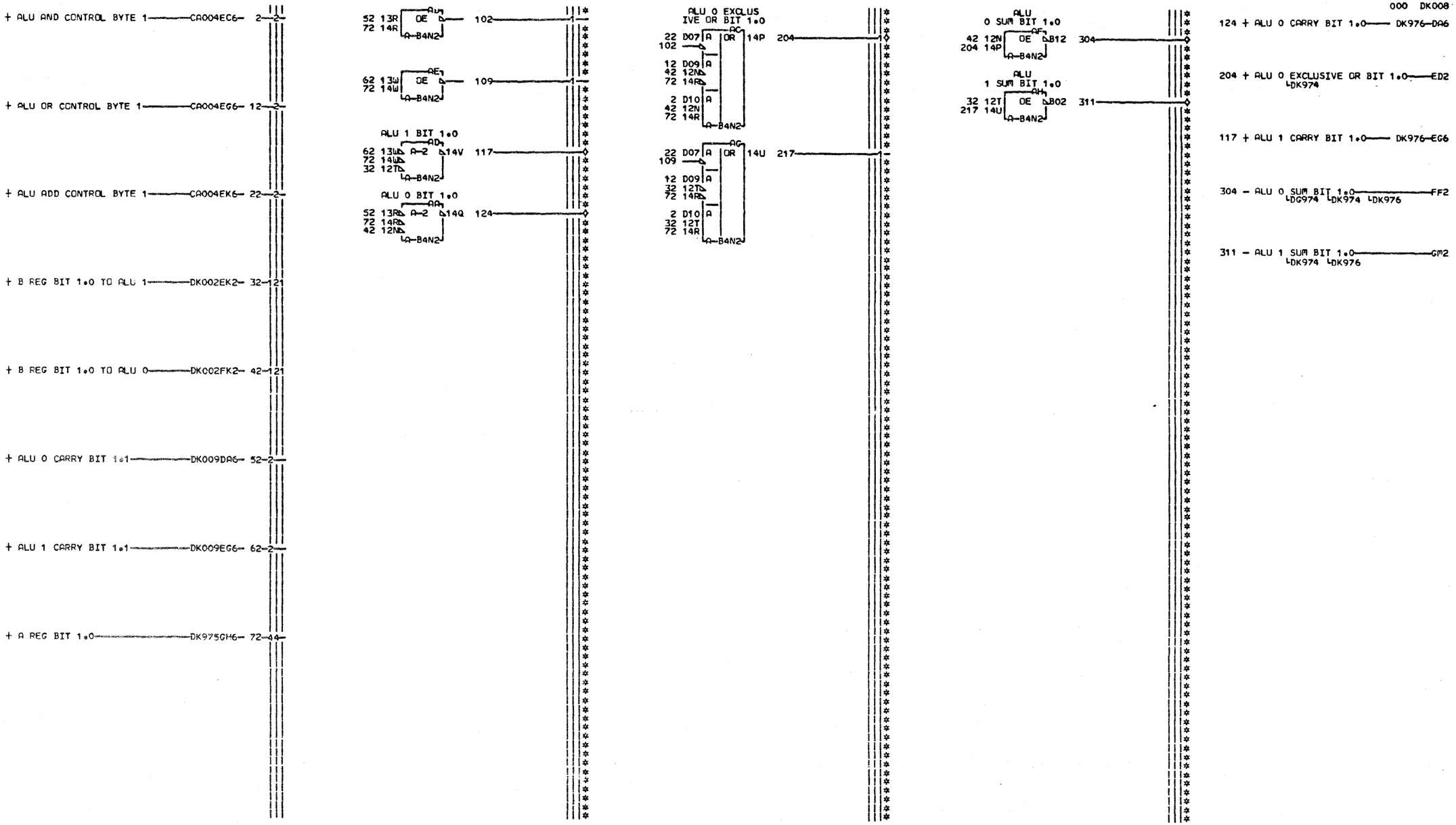
204 + TAR DR1 DR2 BIT 1.1 TO IND —DH2
WAP014

LOC. TYPE
A-B4N2 6801

DK003
000

CCU DISPLAY REGISTERS 1 AND 2
BITS 1.0 AND 1.1
E.C. HISTORY — EQ. MACH. 3705

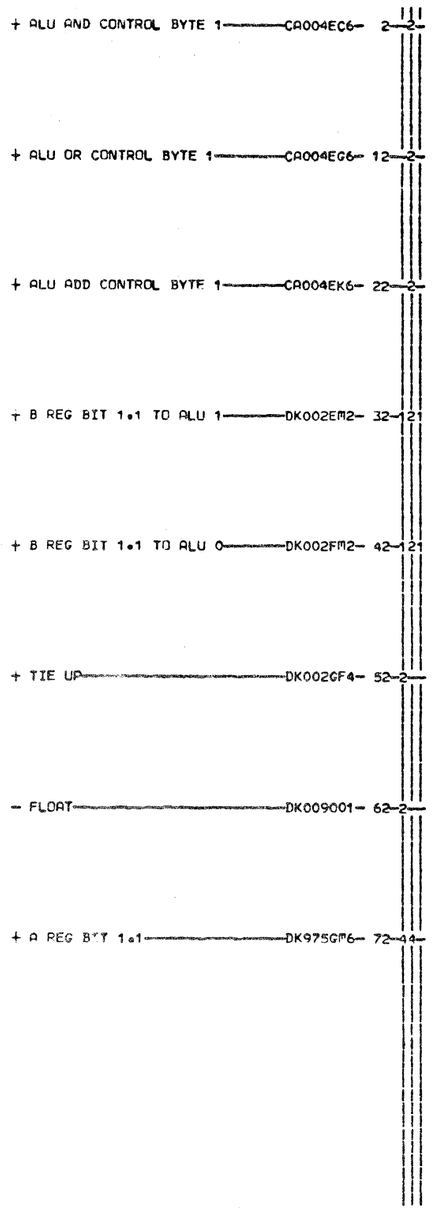
DATE	LAST EC		
10-14-80	344270	FRAME 01	
		IBM CORP. SCD	DK003
		P.N. 1859599	000

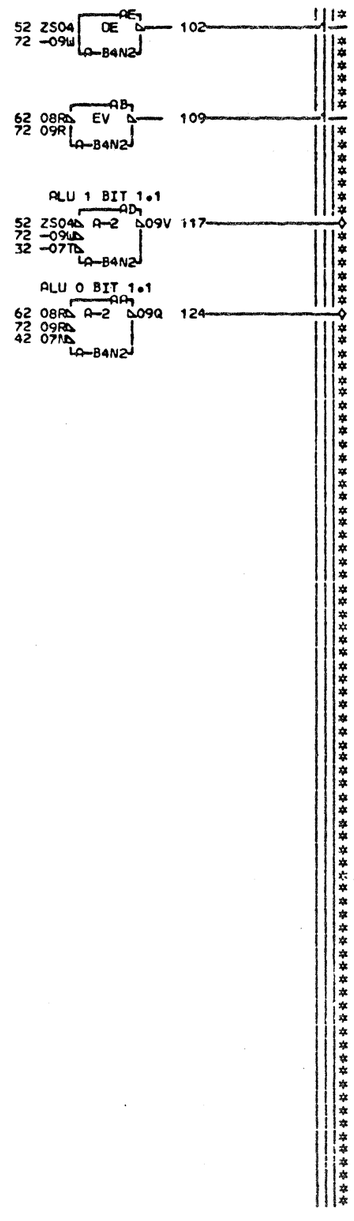


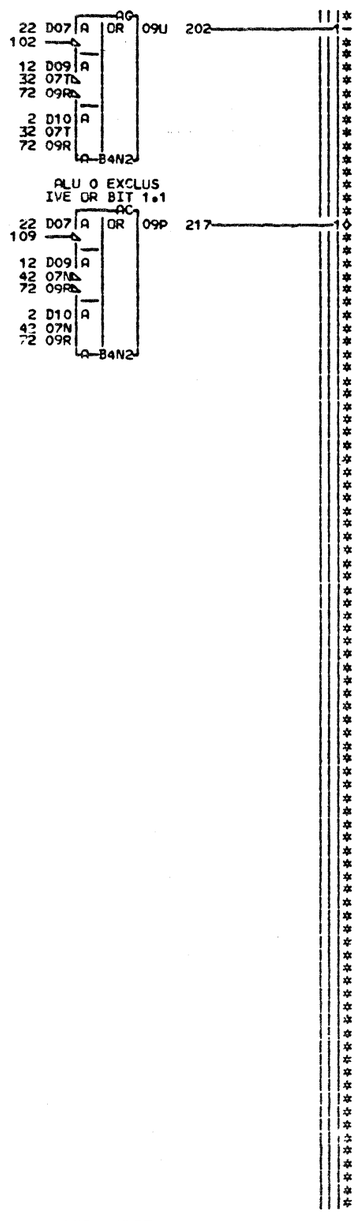
LOC. TYPE
A-B4N2 6801

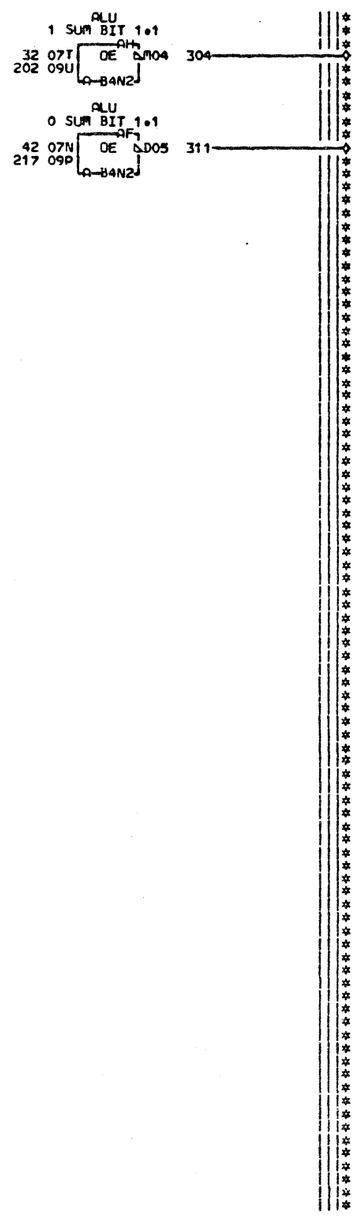
DK008
000

ALU 0 AND ALU 1
BIT 1.0
E.C.-HISTORY E. MACH.3705
FRAME 01
IBM CORP.SCD DK008
DATE LAST EC
10-14-80 344270
P.N. 1859600 000









000 DK009

124 + ALU 0 CARRY BIT 1.1 —— DK008—DA6

217 + ALU 0 EXCLUSIVE OR BIT 1.1 —— ED2
└DK974

117 + ALU 1 CARRY BIT 1.1 —— DK008—EG6

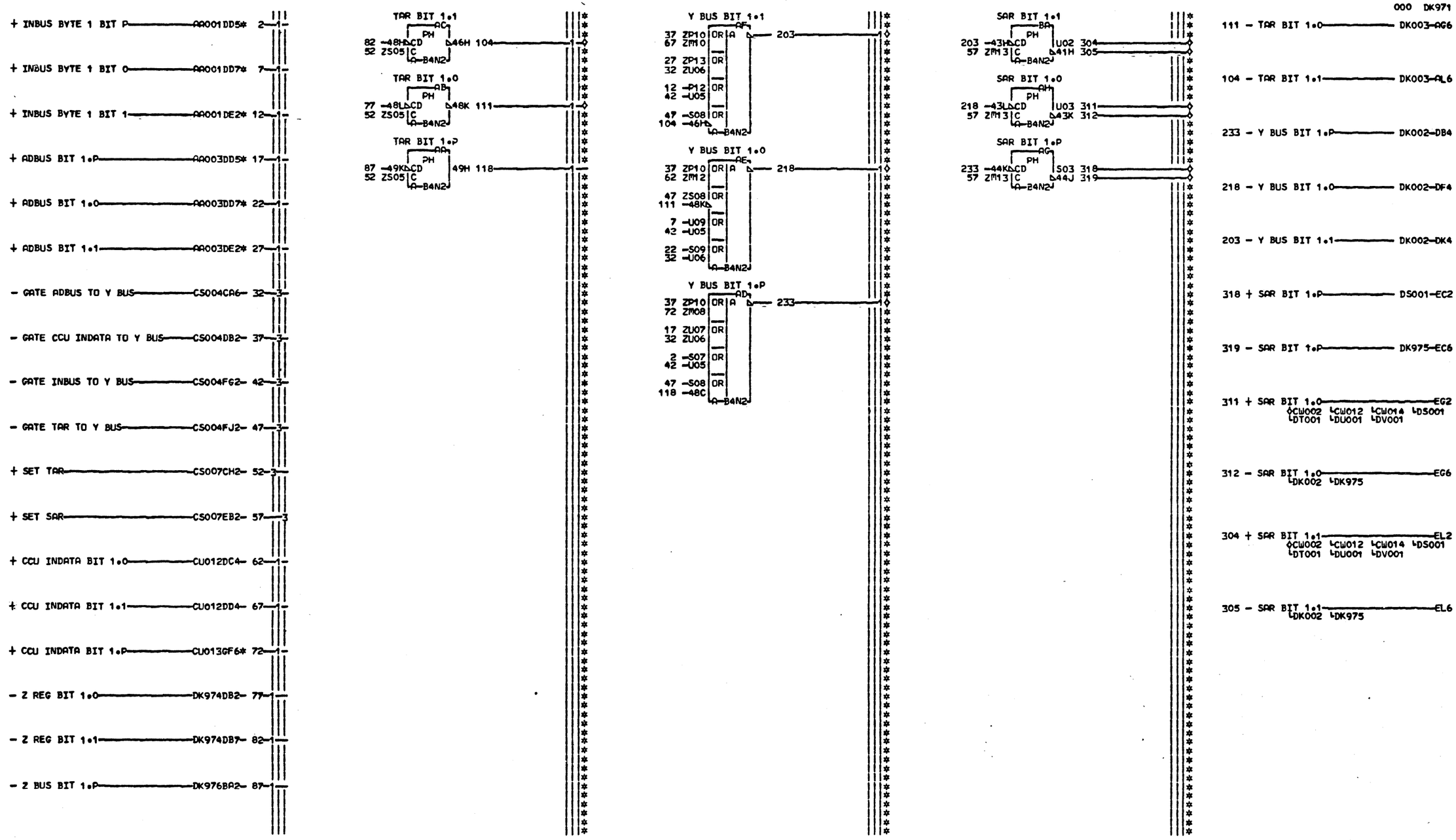
311 — ALU 0 SUM BIT 1.1 —— FF2
└DG974 └DK974 └DK976

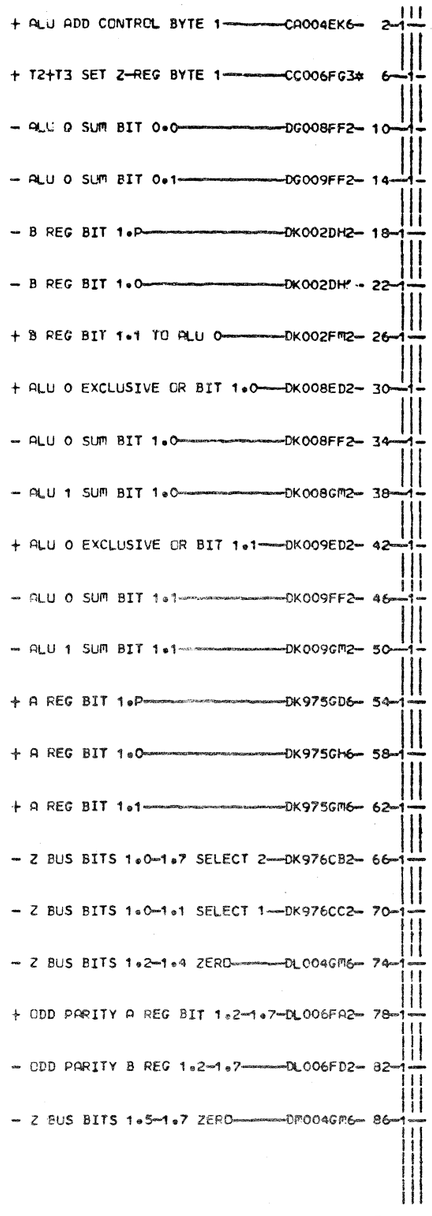
304 — ALU 1 SUM BIT 1.1 —— GM2
└DK974 └DK976

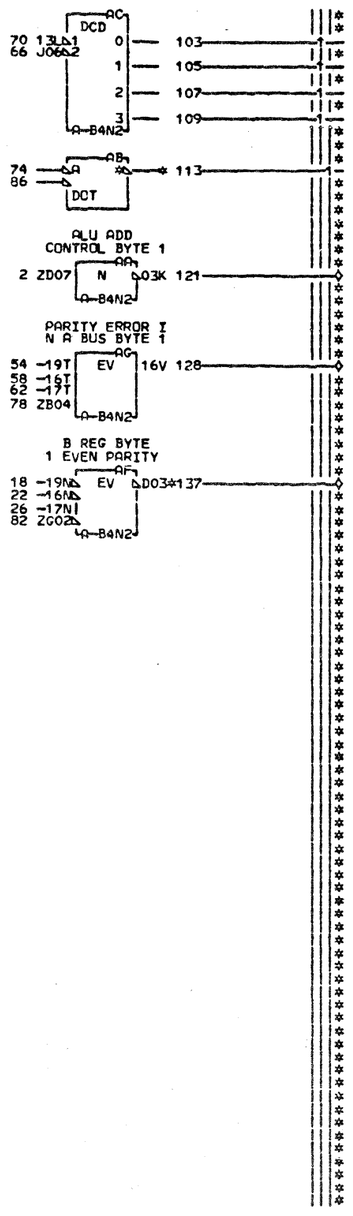
LOC. TYPE
A-B4N2 6801

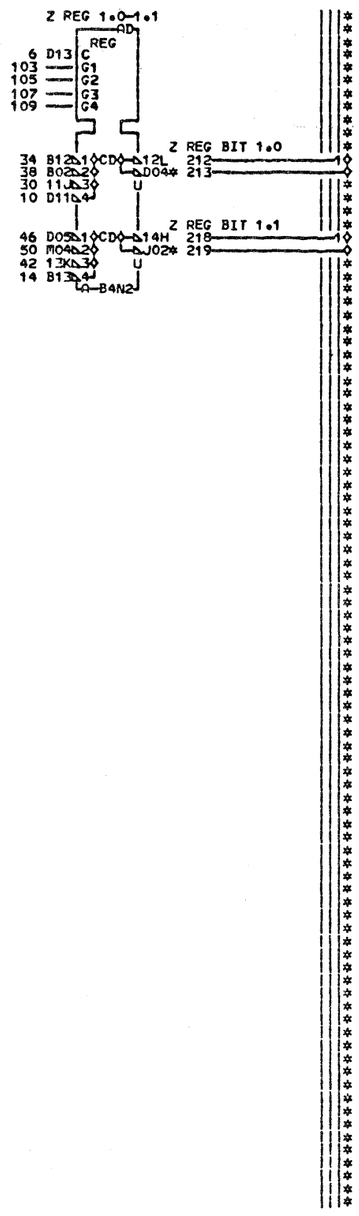
DK009
000

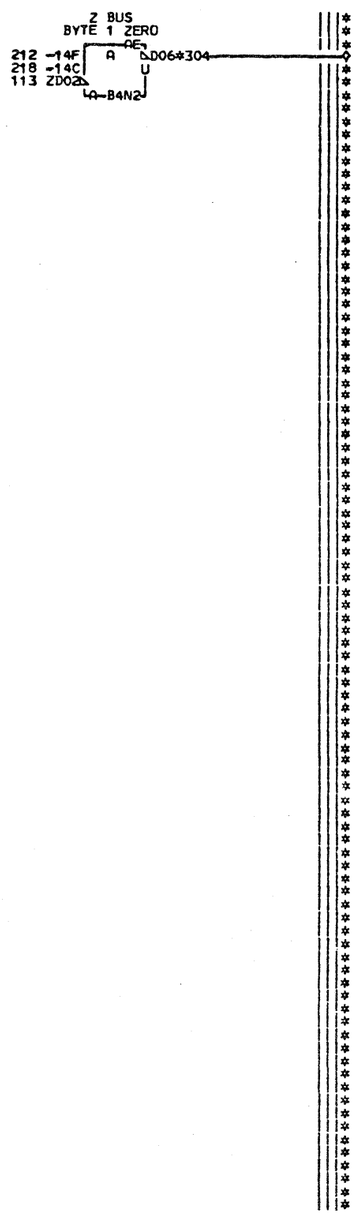
ALU 0 AND ALU 1
BIT 1.1
—E.C.—HISTORY—E MACH.3705
FRAME 01
IBM CORP.SCD DK009
DATE LAST EC P.N. 1859601 000
10-14-80 344270


+ INBUS BYTE 1 BIT P AA001DD5* 2
+ INBUS BYTE 1 BIT O AA001DD7* 7
+ INBUS BYTE 1 BIT 1 AA001DE2* 12
+ ADBUS BIT 1.P AA003DD5* 17
+ ADBUS BIT 1.0 AA003DD7* 22
+ ADBUS BIT 1.1 AA003DE2* 27
- GATE ADBUS TO Y BUS CS004CA6- 32
- GATE CCU INDATA TO Y BUS CS004DB2- 37
- GATE INBUS TO Y BUS CS004FG2- 42
- GATE TAR TO Y BUS CS004FJ2- 47
+ SET TAR CS007CH2- 52
+ SET SAR CS007EB2- 57
+ CCU INDATA BIT 1.0 CU012DC4- 62
+ CCU INDATA BIT 1.1 CU012DD4- 67
+ CCU INDATA BIT 1.P CU013GF6* 72
- Z REG BIT 1.0 DK974DB2- 77
- Z REG BIT 1.1 DK974DB7- 82
- Z BUS BIT 1.P DK976BA2- 87
TAR BIT 1.1
AC
PH
82 -48H CD 46H 104
52 ZS05 C
A-B4N2
TAR BIT 1.0
AB
PH
77 -48L CD 48K 111
52 ZS05 C
A-B4N2
TAR BIT 1.P
AA
PH
87 -49K CD 49H 118
52 ZS05 C
A-B4N2
Y BUS BIT 1.1
AF
37 ZP10 OR A 203
67 ZM10
27 ZP13 OR
32 ZU06
12 -P12 OR
42 -U05
47 -S08 OR
104 -46H
A-B4N2
Y BUS BIT 1.0
AE
37 ZP10 OR A 218
62 ZM12
47 ZS08 OR
111 -48K
7 -U09 OR
42 -U05
22 -S09 OR
32 -U06
A-B4N2
Y BUS BIT 1.P
AD
37 ZP10 OR A 233
72 ZM08
17 ZU07 OR
32 ZU06
2 -S07 OR
42 -U05
47 -S08 OR
118 -48C
A-B4N2
SAR BIT 1.1
BA
PH
203 -43H CD U02 304
57 ZM13 C 41H 305
A-B4N2
SAR BIT 1.0
AH
PH
218 -43L CD U03 311
57 ZM13 C 43K 312
A-B4N2
SAR BIT 1.P
AC
PH
233 -44K CD S03 318
57 ZM13 C 44J 319
A-B4N2
000 DK971
111 - TAR BIT 1.0 DK003-AG6
104 - TAR BIT 1.1 DK003-AL6
233 - Y BUS BIT 1.P DK002-DB4
218 - Y BUS BIT 1.0 DK002-DF4
203 - Y BUS BIT 1.1 DK002-DK4
318 + SAR BIT 1.P DS001-EC2
319 - SAR BIT 1.P DK975-EC6
311 + SAR BIT 1.0 EG2
CW002 CW012 CW014 DS001
DT001 DU001 DV001
312 - SAR BIT 1.0 EG6
DK002 DK975
304 + SAR BIT 1.1 EL2
CW002 CW012 CW014 DS001
DT001 DU001 DV001
305 - SAR BIT 1.1 EL6
DK002 DK975
EDGE CONN.
2 RESISTOR A-B4N2S07
7 RESISTOR A-B4N2U09
12 RESISTOR A-B4N2P12
17 RESISTOR A-B4N2U07
22 RESISTOR A-B4N2S09
27 RESISTOR A-B4N2P13
72 RESISTOR A-B4N2M08
LOC. TYPE
A-B4N2 6801
SAR TAR AND Y BUS ASSEMBLER
BITS 1.P-1.1
E.C. HISTORY
344270
MACH.3705
FRAME 01
IBM CORP.SCD
P.No. 1859602
DK971
000
DATE LAST EC
06-02-81 344828









000 DK974

121 - ALU ADD CONTROL BYTE 1- DK976-AC2

212 - Z REG BIT 1.0 — DB2
└DK002 └DK003 └DK971

218 - Z REG BIT 1.1 — DB7
└DK002 └DK003 └DK971

213 - Z BUS BIT 1.0 — EB6
◊CK001 └CR001 └CU005 └CX009
└DK976 └DQ001

219 - Z BUS BIT 1.1 — EH6
◊CK001 └CP002 └CR001 └CU006
└CU014 └CX009 └DK976 └DQ001

304 - Z BUS BYTE 1 ZERO — CZ001-FK6

137 - B REG BYTE 1 EVEN PARITY — GG2
└CK003 └CQ002

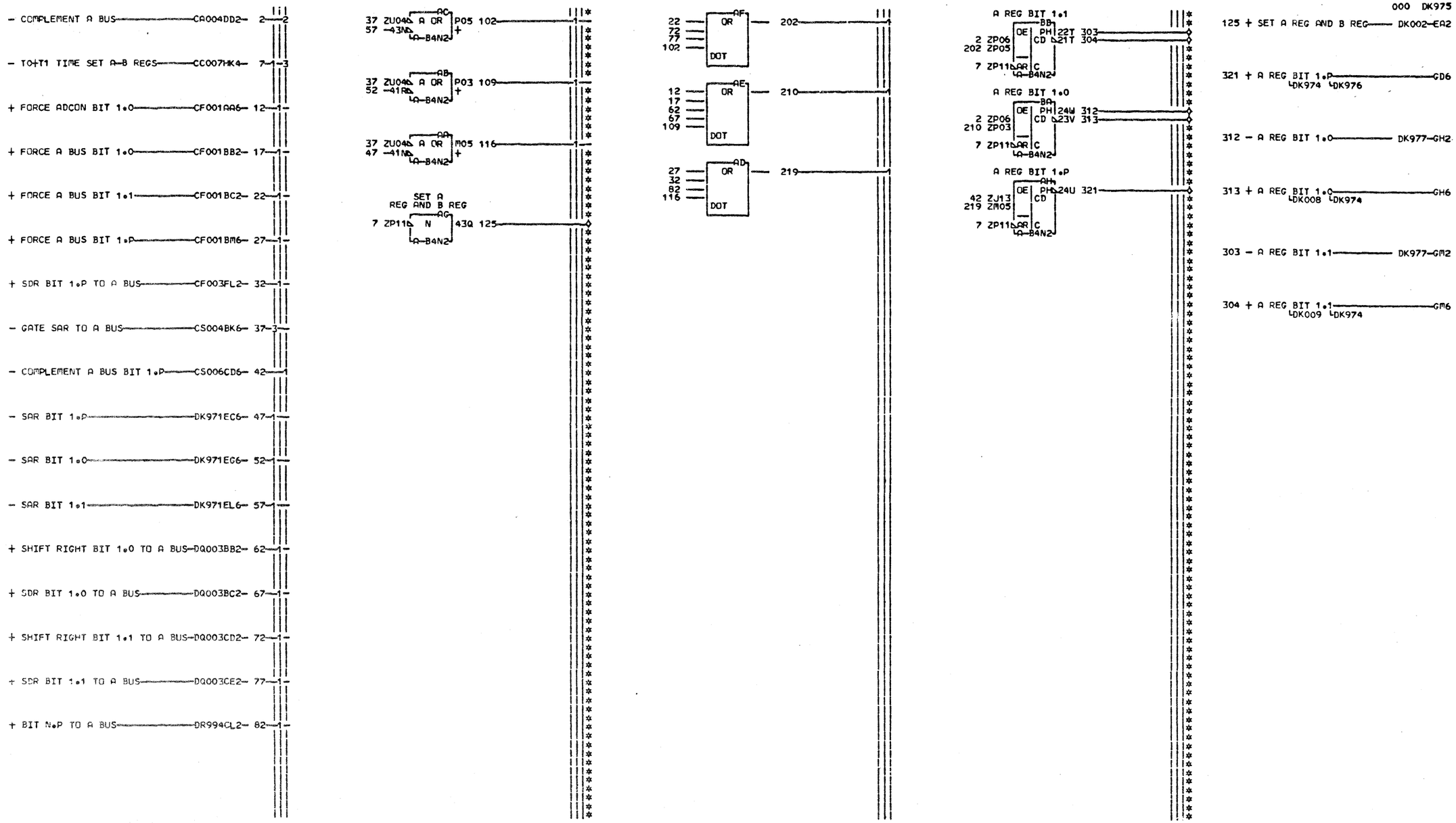
128 + PARITY ERROR IN A BUS BYTE 1 — GM2
└DK976

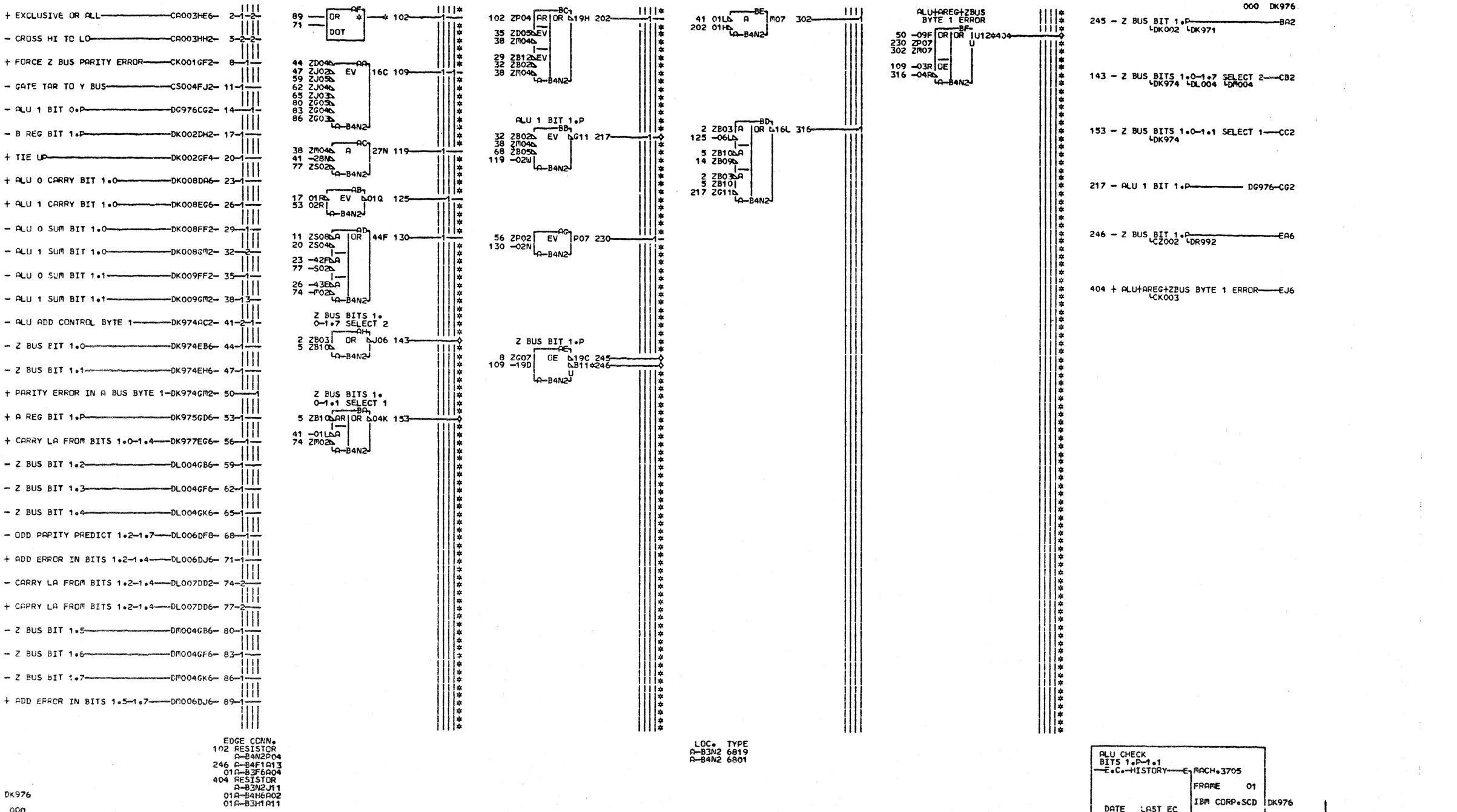
EDGE CONN. 01A-B3F6B04
6 RESISTOR 304 RESISTOR
A-B4N2D13 A-B3G2J05
113 RESISTOR 01A-B4N6D04
A-B4N2D02 01A-B3N1D13
137 A-B4K6G04
01A-B3K1A13
213 A-B4F1B11
01A-B3F6B02
219 A-B4F1B13

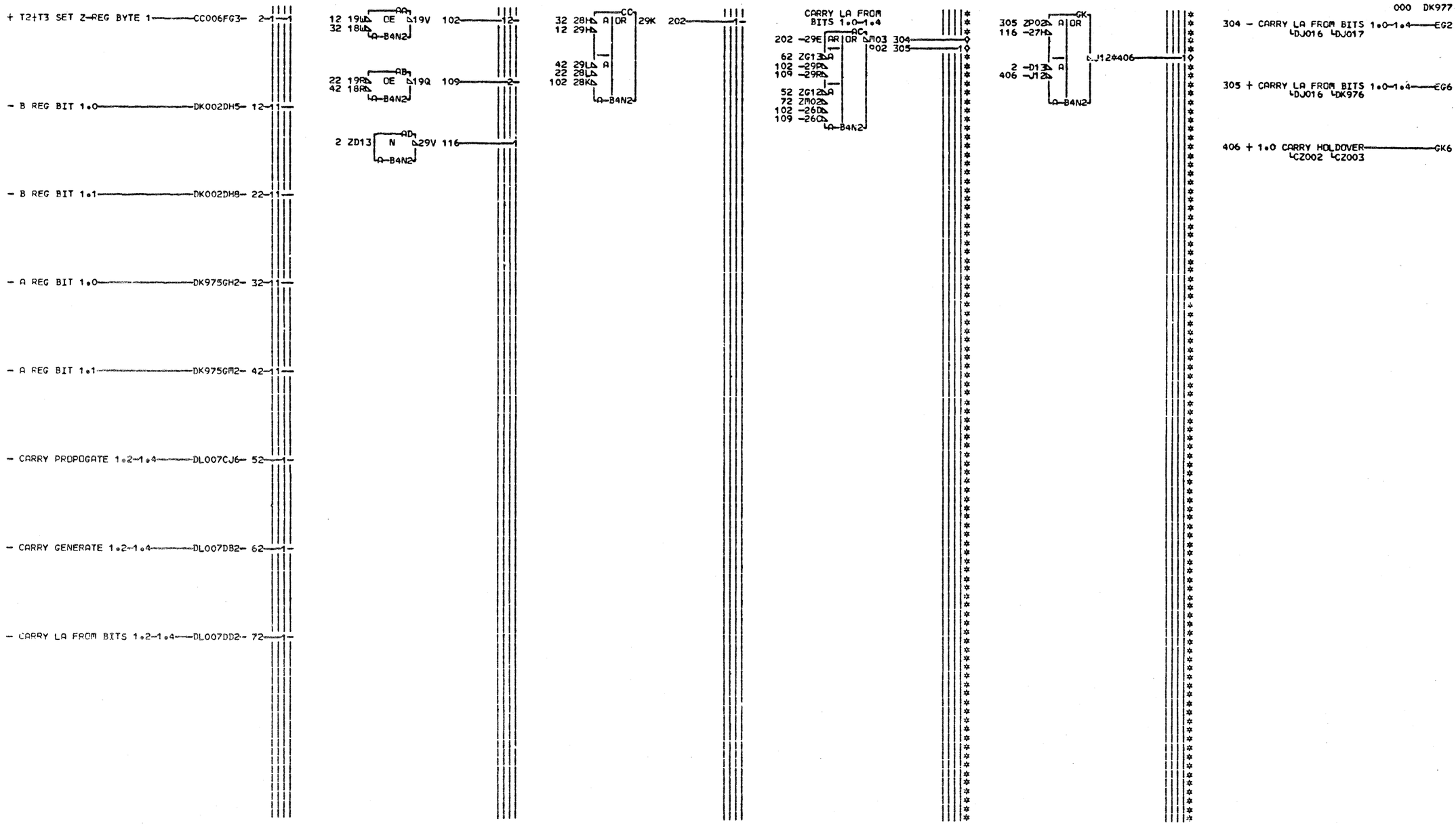
LOC. TYPE
A-B3G2 Y702
A-B4N2 6801

DK974
000

ALU 0 ALU 1 AND Z REG BITS 1.P-1.1
E.C. HISTORY E. MACH. 3705
FRAME 01
IBM CORP. SCD DK974
DATE LAST EC P.N. 1859603 000
10-14-80 344270


- COMPLEMENT A BUS CA004DD2 2
- TO+T1 TIME SET A-B REGS CC007HK4 7
+ FORCE ADCON BIT 1.0 CF001AA6 12
+ FORCE A BUS BIT 1.0 CF001BB2 17
+ FORCE A BUS BIT 1.1 CF001BC2 22
+ FORCE A BUS BIT 1.P CF001BM6 27
+ SDR BIT 1.P TO A BUS CF003FL2 32
- GATE SAR TO A BUS CS004BK6 37
- COMPLEMENT A BUS BIT 1.P CS006CD6 42
- SAR BIT 1.P DK971EC6 47
- SAR BIT 1.0 DK971EG6 52
- SAR BIT 1.1 DK971EL6 57
+ SHIFT RIGHT BIT 1.0 TO A BUS DQ003BB2 62
+ SDR BIT 1.0 TO A BUS DQ003BC2 67
+ SHIFT RIGHT BIT 1.1 TO A BUS DQ003CD2 72
+ SDR BIT 1.1 TO A BUS DQ003CE2 77
+ BIT N.P TO A BUS DR994CL2 82
37 ZU04 A OR P05 102
57 43N +
37 ZU04 A OR P03 109
52 41R +
37 ZU04 A OR M05 116
47 41N +
SET A REG AND B REG
7 ZP11 N 43Q 125
22 72 77 102 OR DOT 202
12 17 62 67 109 OR DOT 210
27 32 82 116 OR DOT 219
A REG BIT 1.1
2 ZP06 202 ZP05
7 ZP11 C
22T 303
21T 304
A REG BIT 1.0
2 ZP06 210 ZP03
7 ZP11 C
24W 312
23V 313
A REG BIT 1.P
42 ZJ13 219 ZM05
7 ZP11 C
24U 321
000 DK975
125 + SET A REG AND B REG DK002-EA2
321 + A REG BIT 1.P GD6
DK974 DK976
312 - A REG BIT 1.0 DK977-GH2
313 + A REG BIT 1.0 GH6
DK008 DK974
303 - A REG BIT 1.1 DK977-GM2
304 + A REG BIT 1.1 GM6
DK009 DK974
LOC. TYPE
A-B4N2 6801
A BUS ASSEMBLER
BITS 1.P-1.1
E.C. HISTORY
MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1859604
DATE LAST EC
10-14-80 344270
DK975
000
DK975
000


+ EXCLUSIVE OR ALL — CA003HE6 — 2-1-2
- CROSS HI TO LO — CA003HH2 — 5-2-2
+ FORCE Z BUS PARITY ERROR — CK001GF2 — 8-1
- GATE TAR TO Y BUS — CS004FJ2 — 11-1
- ALU 1 BIT 0•P — DG976CG2 — 14-1
- B REG BIT 1•P — DK002DH2 — 17-1
+ TIE UP — DK002GF4 — 20-1
+ ALU 0 CARRY BIT 1•0 — DK008DA6 — 23-1
+ ALU 1 CARRY BIT 1•0 — DK008EG6 — 26-1
- ALU 0 SUM BIT 1•0 — DK008FF2 — 29-1
- ALU 1 SUM BIT 1•0 — DK008GM2 — 32-2
- ALU 0 SUM BIT 1•1 — DK009FF2 — 35-1
- ALU 1 SUM BIT 1•1 — DK009GM2 — 38-3
- ALU ADD CONTROL BYTE 1 — DK974AC2 — 41-2-1
- Z BUS BIT 1•0 — DK974EB6 — 44-1
- Z BUS BIT 1•1 — DK974EH6 — 47-1
+ PARITY ERROR IN A BUS BYTE 1 — DK974GM2 — 50-1
+ A REG BIT 1•P — DK975GD6 — 53-1
+ CARRY LA FROM BITS 1•0-1•4 — DK977EG6 — 56-1
- Z BUS BIT 1•2 — DL004GB6 — 59-1
- Z BUS BIT 1•3 — DL004GF6 — 62-1
- Z BUS BIT 1•4 — DL004GK6 — 65-1
- ODD PARITY PREDICT 1•2-1•7 — DL006DF8 — 68-1
+ ADD ERROR IN BITS 1•2-1•4 — DL006DJ6 — 71-1
- CARRY LA FROM BITS 1•2-1•4 — DL007DD2 — 74-2
+ CARRY LA FROM BITS 1•2-1•4 — DL007DD6 — 77-2
- Z BUS BIT 1•5 — DM004GB6 — 80-1
- Z BUS BIT 1•6 — DM004GF6 — 83-1
- Z BUS BIT 1•7 — DM004GK6 — 86-1
+ ADD ERROR IN BITS 1•5-1•7 — DM006DJ6 — 89-1
OR DOT
ZD04 ZJ02 ZJ05 ZJ03 ZG05 ZG04 ZG03 EV 16C 109
ZM04 -28N ZS02 A 27N 119
01R 02R EV 01Q 125
ZS08 ZS04 -42F -50 -43E -M02 OR 44F 130
ZB03 ZB10 OR J06 143
Z BUS BITS 1• 0-1•7 SELECT 2
ZB10 AR OR K04 153
Z BUS BITS 1• 0-1•1 SELECT 1
-01L ZM02
ZP04 AR OR 19H 202
ZD05 ZM04 ZB12 ZB02 ZM04 EV
ALU 1 BIT 1•P
ZB02 ZM04 ZB05 -02W EV G11 217
ZP02 -02N EV P07 230
Z BUS BIT 1•P
ZG07 -19D OE 19C 245 B11* 246
01L A M07 302
01H
ZB03 ZB10 ZB09 ZB03 ZB10 ZG11 A OR 16L 316
-06L
ALU+AREG+ZBUS BYTE 1 ERROR
-09F -03R -04R OR OR U12*4J4 OE
ZP07 ZM07
245 - Z BUS BIT 1•P — BA2
LDK002 LDK971
143 - Z BUS BITS 1•0-1•7 SELECT 2 — CB2
LDK974 LDL004 LDM004
153 - Z BUS BITS 1•0-1•1 SELECT 1 — CC2
LDK974
217 - ALU 1 BIT 1•P — DG976-CG2
246 - Z BUS BIT 1•P — EA6
LCZ002 LDR992
404 + ALU+AREG+ZBUS BYTE 1 ERROR — EJ6
LCK003
000 DK976
EDGE CONN•
102 RESISTOR A-B4N2P04
246 A-B4F1A13
01 A-B3F6A04
404 RESISTOR A-B3N2J11
01 A-B4H6A02
01 A-B3H1A11
LOC• TYPE
A-B3N2 6819
A-B4N2 6801
ALU CHECK BITS 1•P-1•1
E•C• HISTORY
MACH•3705
FRAME 01
IBM CORP•SCD
DK976
DATE LAST EC
10-14-80 344270
P•N• 1859605
000
DK976
000

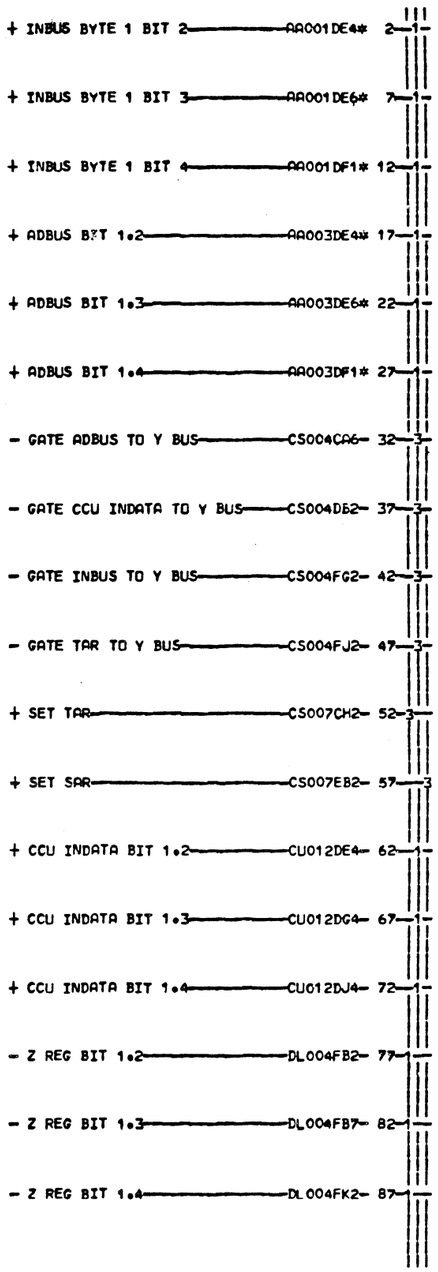


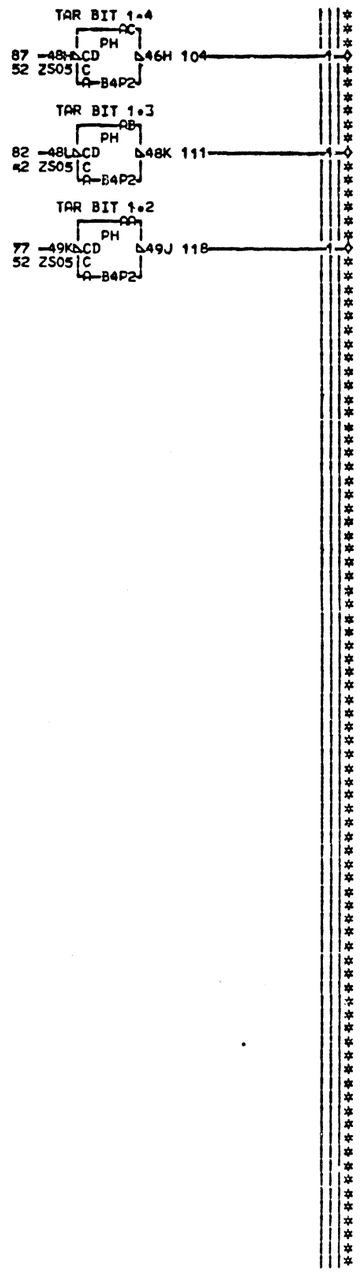
EDGE CONN.
406 A-B4K1B13
01A-B3K6B04

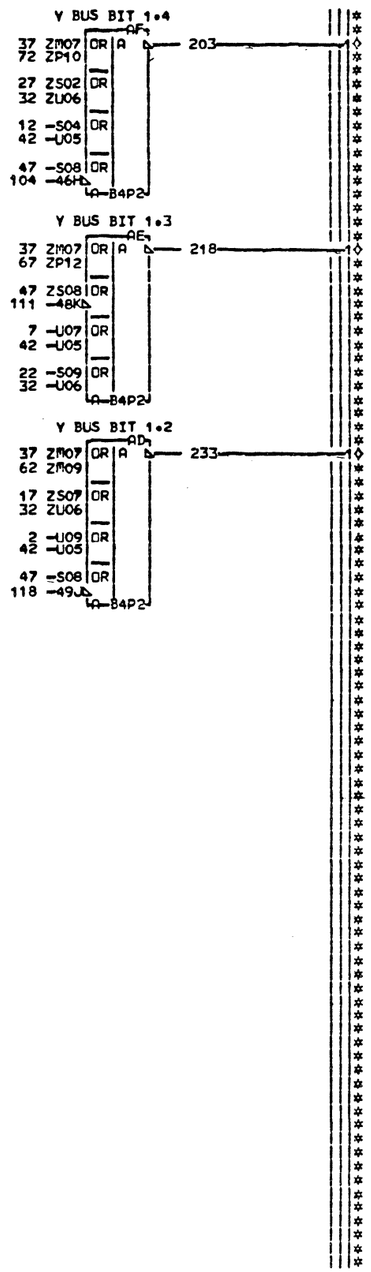
LOC. TYPE
A-B4N2 6801

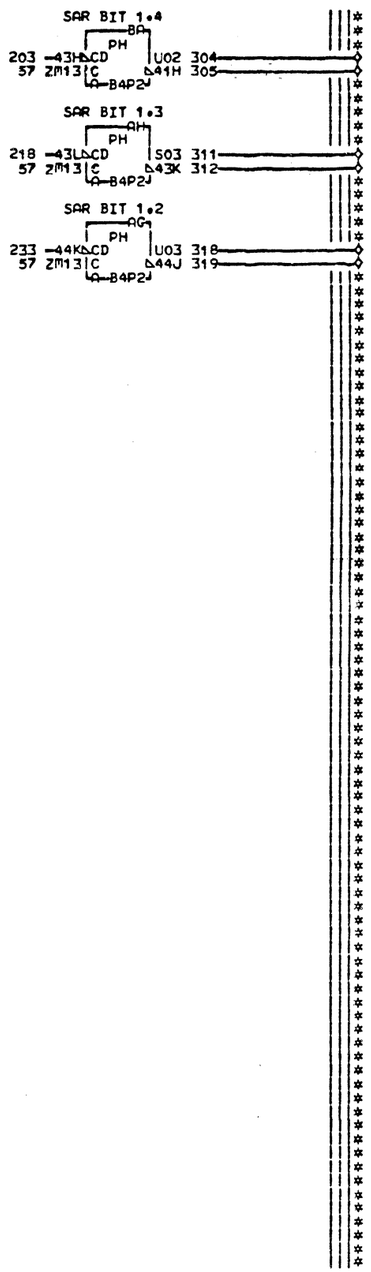
5-BIT CARRY LOOKAHEAD
BITS 1.P-1.1
E.C.-HISTORY E.C. MACH.3705

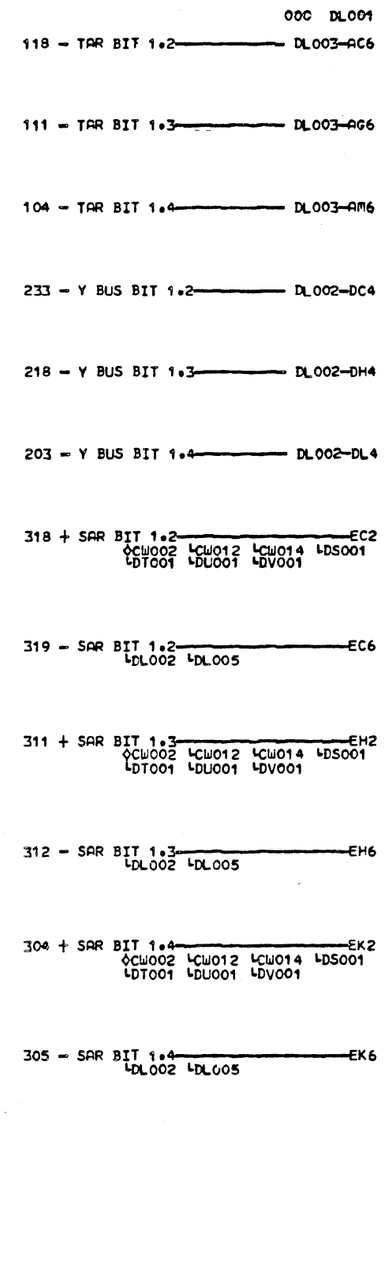
	FRAME 01	
DATE LAST EC	IBM CORP.SCD	DK977
10-14-80 344270	P.N. 1859606	000









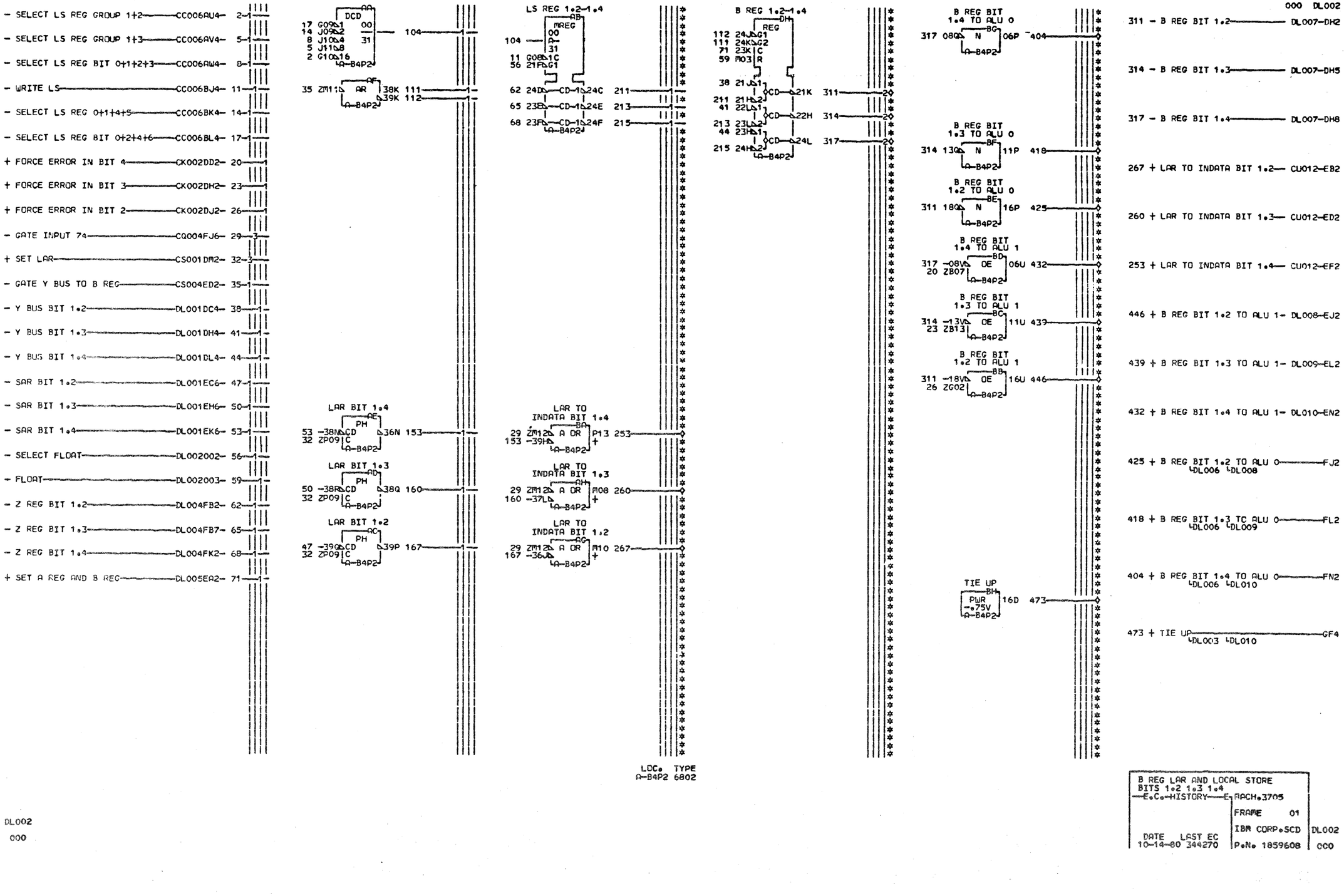


EDGE CONN.
2 RESISTOR A-B4P2U09
7 RESISTOR A-B4P2U07
12 RESISTOR A-B4P2S04
17 RESISTOR A-B4P2S07
22 RESISTOR A-B4P2S09
27 RESISTOR A-B4P2S02

LOC. TYPE
A-B4P2 6802

DL001
000

SAR TAR AND Y BUS ASSEMBLERS
BITS 1.2-1.4
E.C. HISTORY
344270
MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1859607
DATE LAST EC
06-02-81 344828
DL001
000


- SELECT LS REG GROUP 1+2 CC006AU4 2
- SELECT LS REG GROUP 1+3 CC006AV4 5
- SELECT LS REG BIT 0+1+2+3 CC006AW4 8
- WRITE LS CC006BJ4 11
- SELECT LS REG 0+1+4+5 CC006BK4 14
- SELECT LS REG BIT 0+2+4+6 CC006BL4 17
+ FORCE ERROR IN BIT 4 CK002DD2 20
+ FORCE ERROR IN BIT 3 CK002DH2 23
+ FORCE ERROR IN BIT 2 CK002DJ2 26
- GATE INPUT 74 CQ004FJ6 29
+ SET LAR CS001DM2 32
- GATE Y BUS TO B REG CS004ED2 35
- Y BUS BIT 1.2 DL001DC4 38
- Y BUS BIT 1.3 DL001DH4 41
- Y BUS BIT 1.4 DL001DL4 44
- SAR BIT 1.2 DL001EC6 47
- SAR BIT 1.3 DL001EH6 50
- SAR BIT 1.4 DL001EK6 53
- SELECT FLOAT DL002002 56
- FLOAT DL002003 59
- Z REG BIT 1.2 DL004FB2 62
- Z REG BIT 1.3 DL004FB7 65
- Z REG BIT 1.4 DL004FK2 68
+ SET A REG AND B REG DL005EA2 71
DCD
17 G09 1
14 J09 2
8 J10 4
5 J11 8
2 G10 16
A-B4P2
00
31
104
35 ZM11 AR
38K 111
39K 112
LAR BIT 1.4
PH
53 -38N CD
32 ZP09 C
36N 153
LAR BIT 1.3
50 -38R CD
38Q 160
LAR BIT 1.2
47 -39Q CD
39P 167
LS REG 1.2-1.4
MREG
62 24D CD-1 24C 211
65 23E CD-1 24E 213
68 23F CD-1 24F 215
LAR TO INDATA BIT 1.4
29 ZM12 A OR
153 -39H
P13 253
LAR TO INDATA BIT 1.3
160 -37L
M08 260
LAR TO INDATA BIT 1.2
167 -36J
M10 267
LOC. TYPE
A-B4P2 6802
B REG 1.2-1.4
REG
112 24J G1
111 24K G2
71 23K C
59 M03 R
38 21J 1
211 21H 2
41 22L 1
213 23L 2
44 23H 1
215 24H 2
21K 311
22H 314
24L 317
B REG BIT 1.4 TO ALU 0
317 08Q N
06P 404
B REG BIT 1.3 TO ALU 0
314 13Q N
11P 418
B REG BIT 1.2 TO ALU 0
311 18Q N
16P 425
B REG BIT 1.4 TO ALU 1
317 -08V OE
20 ZB07
06U 432
B REG BIT 1.3 TO ALU 1
314 -13V OE
23 ZB13
11U 439
B REG BIT 1.2 TO ALU 1
311 -18V OE
26 ZG02
16U 446
TIE UP
PWR -.75V
16D 473
000 DL002
311 - B REG BIT 1.2 DL007-DH2
314 - B REG BIT 1.3 DL007-DH5
317 - B REG BIT 1.4 DL007-DH8
267 + LAR TO INDATA BIT 1.2 CU012-EB2
260 + LAR TO INDATA BIT 1.3 CU012-ED2
253 + LAR TO INDATA BIT 1.4 CU012-EF2
446 + B REG BIT 1.2 TO ALU 1 DL008-EJ2
439 + B REG BIT 1.3 TO ALU 1 DL009-EL2
432 + B REG BIT 1.4 TO ALU 1 DL010-EN2
425 + B REG BIT 1.2 TO ALU 0 FJ2
DL006 DL008
418 + B REG BIT 1.3 TO ALU 0 FL2
DL006 DL009
404 + B REG BIT 1.4 TO ALU 0 FN2
DL006 DL010
473 + TIE UP GF4
DL003 DL010
B REG LAR AND LOCAL STORE
BITS 1.2 1.3 1.4
E.C. HISTORY
RACH.3705
FRAME 01
IBM CORP.SCD
DL002
DATE LAST EC
10-14-80 344270
P.N. 1859608
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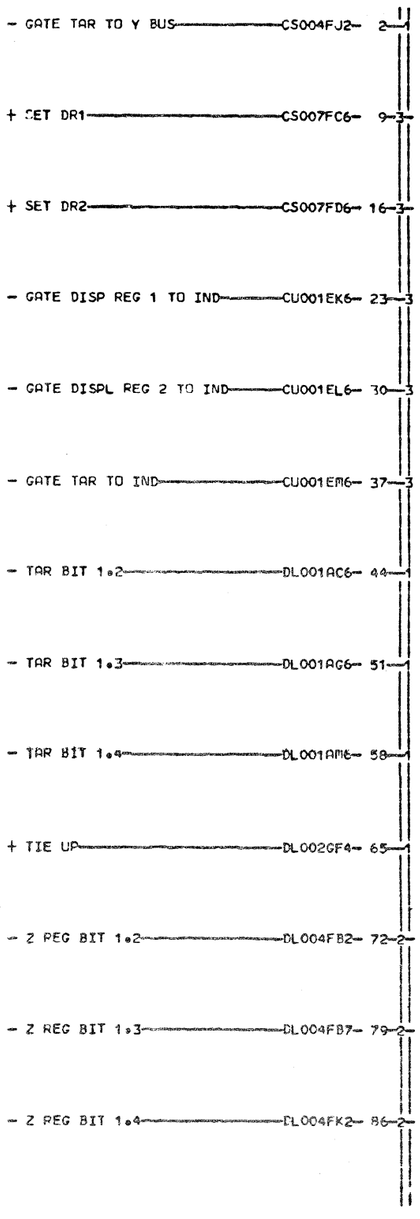
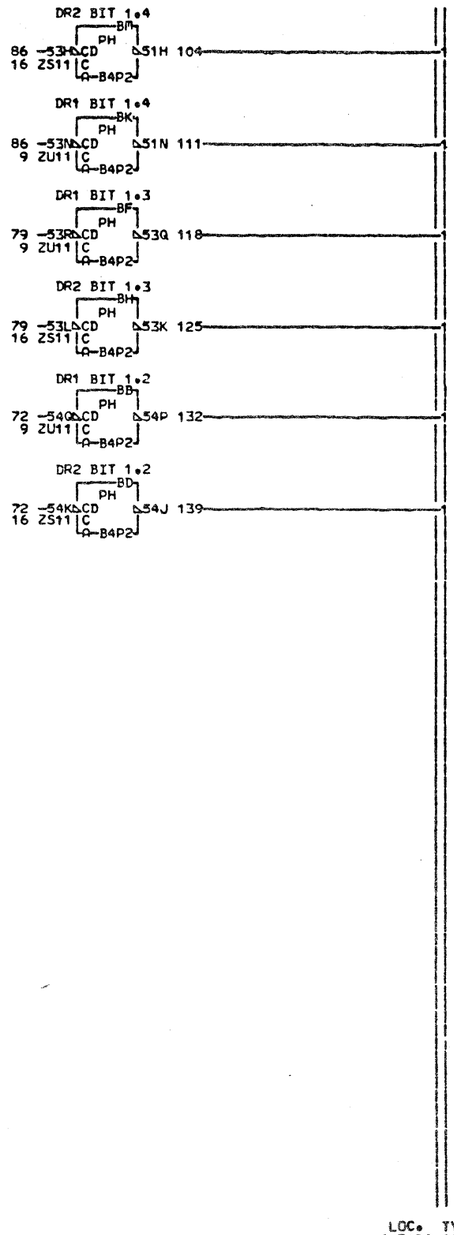
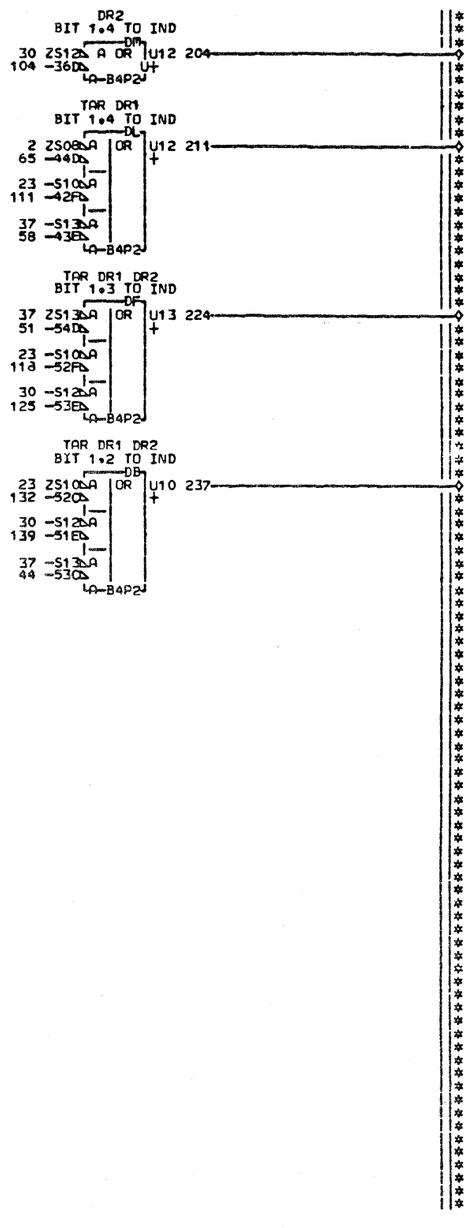






000 DL003

237 + TAR DR1 DR2 BIT 1.2 TO IND——DB2
4AP014

224 + TAR DR1 DR2 BIT 1.3 TO IND——DF2
4AP014

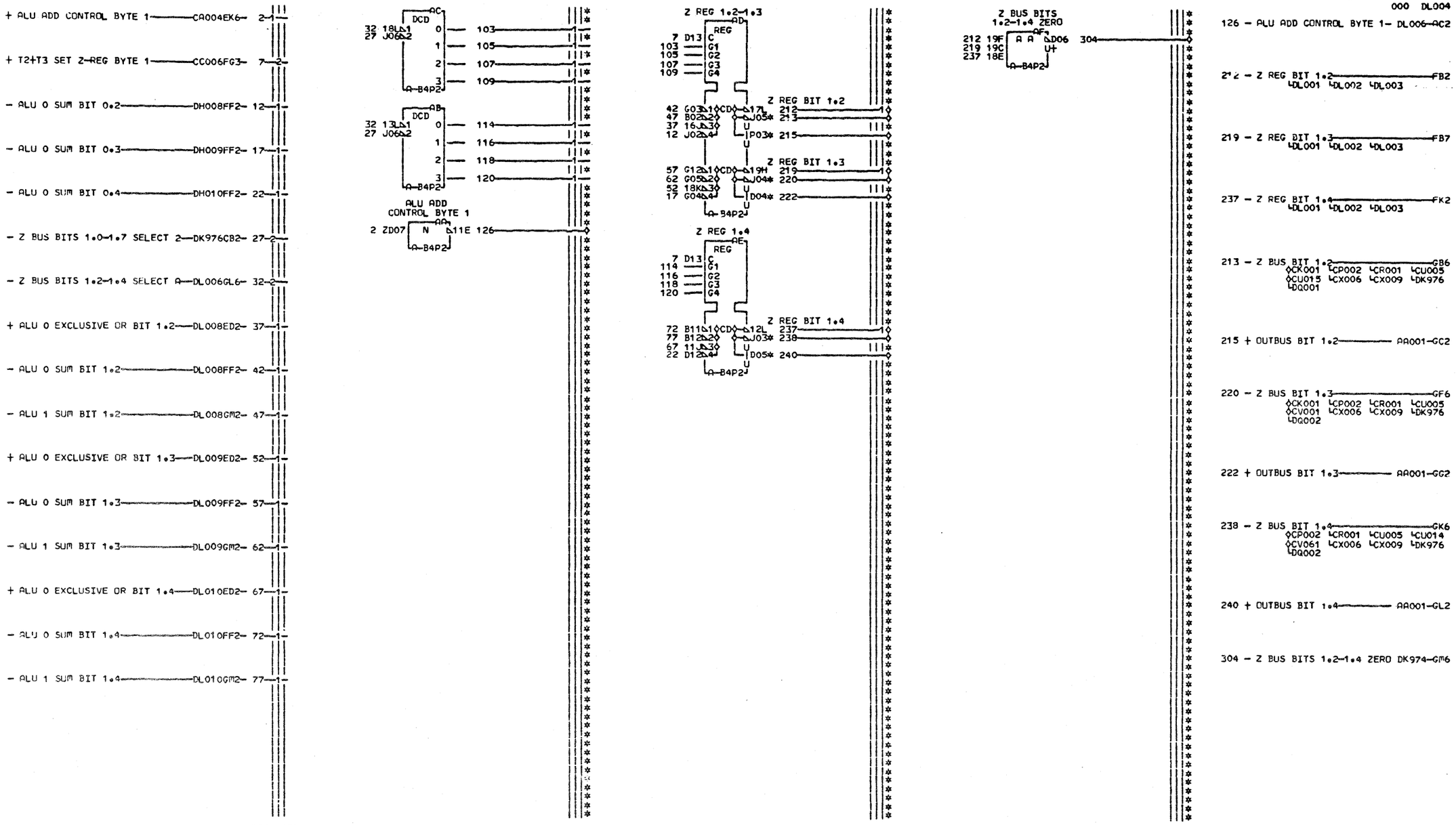
211 + TAR DR1 BIT 1.4 TO IND— AP015—DL2

204 + DR2 BIT 1.4 TO IND—— AP015—DM2

DL003
000

CCU DISPLAY REGISTERS 1 AND 2
BITS 1.2 1.3 AND 1.4
—E.C.—HISTORY——E.—MACH.3705

	FRAME 01	
DATE LAST EC	IBM CORP.SCD	DL003
10-14-80 344270	P.N. 1859609	000



EDGE CONN.
213 A-B4F1C11
01A-B3F6C02
215 A-B4U4D06
220 A-B4F1C13
01A-B3F6C04
222 A-B4U4D07
238 A-B4F1D11
01A-B3F6D02
240 A-B4U4D09

LOC. TYPE
A-B4P2 6802

DL004
000

ALU 0 ALU 1 AND Z REG BITS 1.2-1.4
E.C. HISTORY — E.C. PACM.3705
FRAME 01
IBM CORP.SCD | DL004
DATE LAST EC | P.N. 1859610 | 000
10-14-80 344270

- COMPLEMENT A BUS — CA004DD2 — 2
- TO+T1 TIME SET A-B REGS — CC007HK4 — 8
+ FORCE A BUS BIT 1.2 — CF001BD2 — 14
+ FORCE A BUS BIT 1.3 — CF001BE2 — 20
+ FORCE A BUS BIT 1.4 — CF001BF2 — 26
- GATE SAR TO A BUS — CS004BK6 — 32
- SAR BIT 1.2 — DL001EC6 — 38
- SAR BIT 1.3 — DL001EH6 — 44
- SAR BIT 1.4 — DL001EK6 — 50
+ SHIFT RIGHT BIT 1.2 TO A BUS — DQ003DF2 — 56
+ SDR BIT 1.2 TO A BUS — DQ003DG2 — 62
+ SHIFT RIGHT BIT 1.3 TO A BUS — DQ003EH2 — 68
+ SDR BIT 1.3 TO A BUS — DQ003EJ2 — 74
+ SHIFT RIGHT BIT 1.4 TO A BUS — DQ003FK2 — 80
+ SDR BIT 1.4 TO A BUS — DQ003FL2 — 86

32 ZU04 A OR M05 102 (AC)
50 43N
A-B4P2

32 ZU04 A OR P07 109 (AB)
44 41N
A-B4P2

32 ZU04 A OR P04 116 (AA)
38 41N
A-B4P2

SET A REG AND B REG
8 ZP11 N 34V 125 (AC)
A-B4P2

26, 90, 86, 102 — OR DOT (AF) — 202
20, 68, 74, 109 — OR DOT (AE) — 210
14, 56, 62, 116 — OR DOT (AD) — 218

A REG BIT 1.4
2 ZM04, 202 ZM05 — OE PH CD (BB) — 27T 303, 26T 304
8 ZP11 SAR C A-B4P2

A REG BIT 1.3
2 ZM04, 210 ZP07 — OE PH CD (BA) — 29W 312, 28V 313
8 ZP11 SAR C A-B4P2

A REG BIT 1.2
2 ZM04, 218 ZP04 — OE PH CD (AH) — 29T 321, 29U 322
8 ZP11 SAR C A-B4P2

000 DL005

125 + SET A REG AND B REG — DL002-EA2

321 - A REG BIT 1.2 — DL007-FD2

322 + A REG BIT 1.2 — FD6
DL006 DL008

312 - A REG BIT 1.3 — DL007-FH2

313 + A REG BIT 1.3 — FH6
DL006 DL009

303 - A REG BIT 1.4 — DL007-FM2

304 + A REG BIT 1.4 — FM6
DL006 DL010

LOC. TYPE
A-B4P2 6802

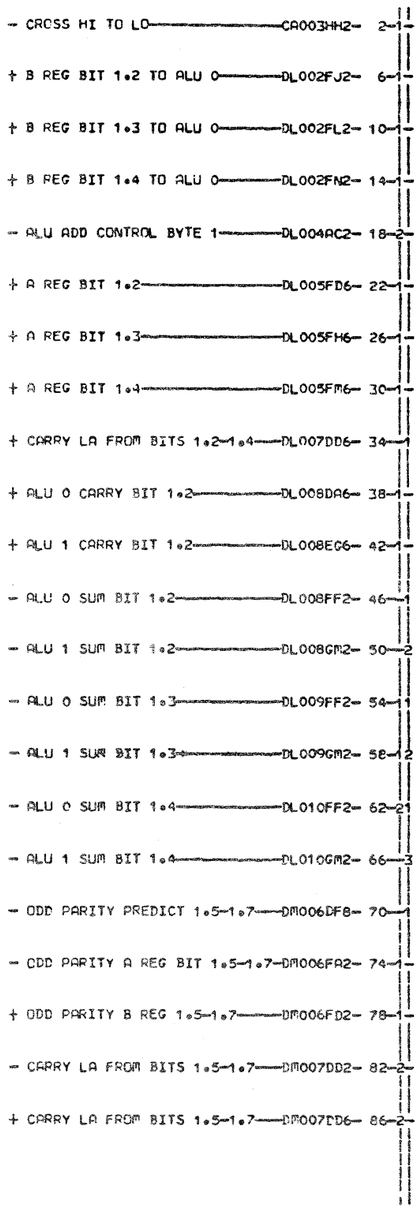
DL005
000

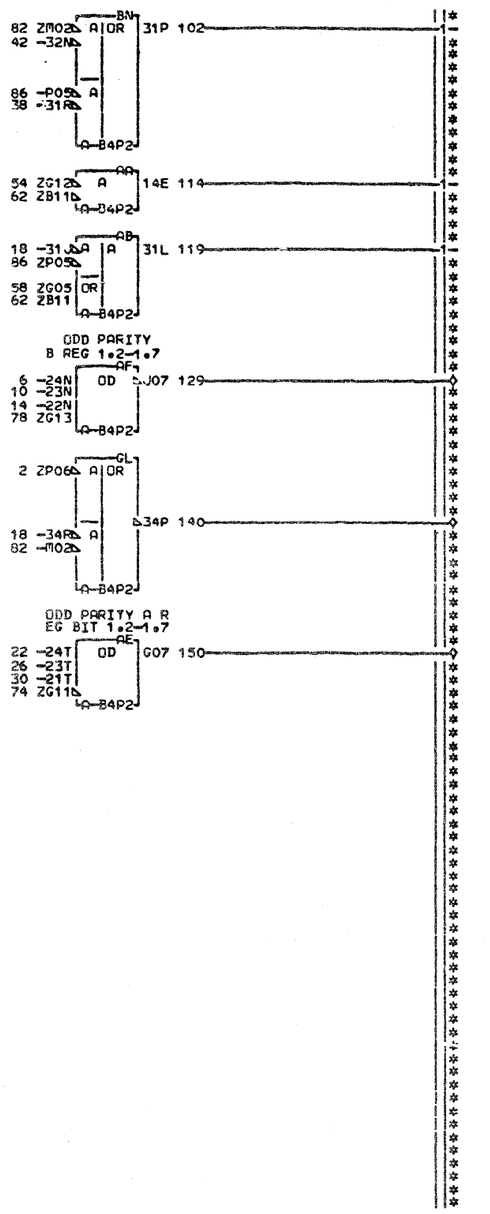
A BUS ASSEMBLER
BITS 1.2-1.4
E.C. HISTORY

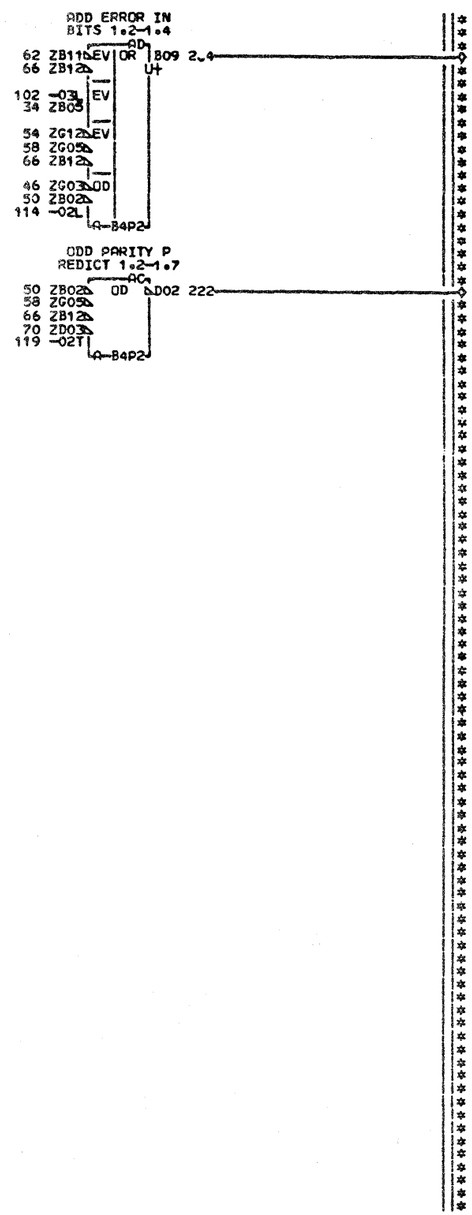
MACH. 3705
FRAME 01
IBM CORP. SCD
P.N. 1859611

DATE LAST EC
10-14-80 344270

DL005
000







000 DL006

222 - ODD PARITY PREDICT 1.2-1.7 — DF8
LDK976

204 + ADD ERROR IN BITS 1.2-1.4 — DJ6
LDK976

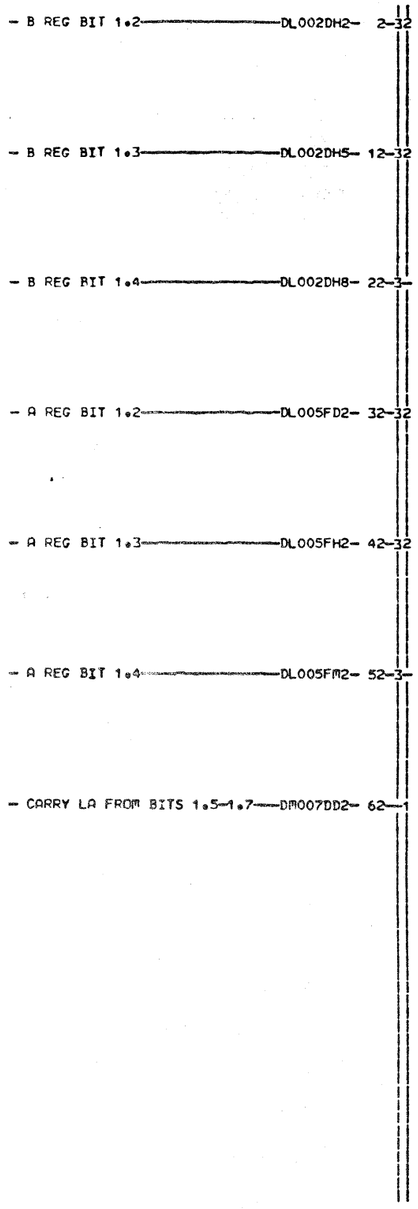
150 + ODD PARITY A REG BIT 1.2-1.7 — FA2
LDK974

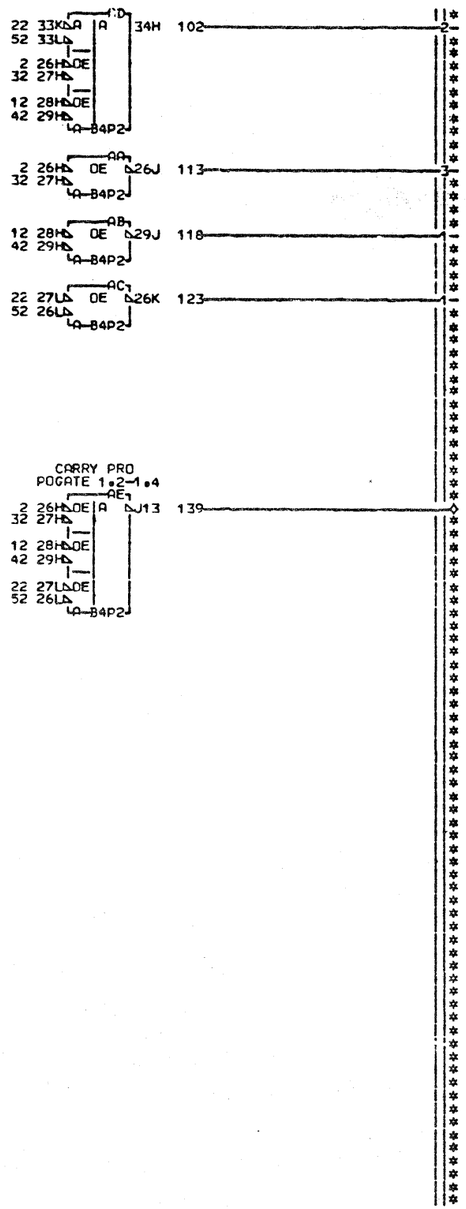
129 - ODD PARITY B REG 1.2-1.7 — FD2
LDK974

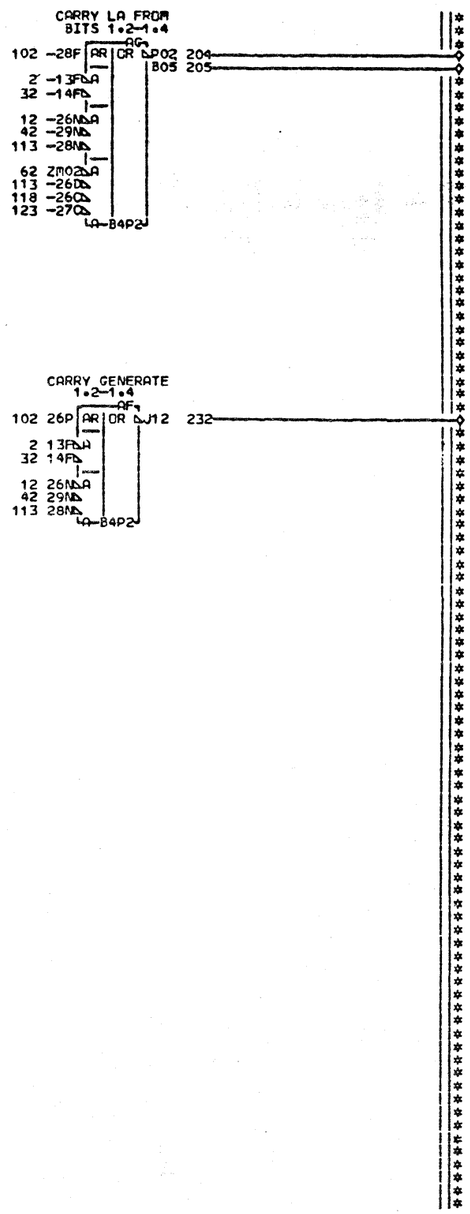
140 - Z BUS BITS 1.2-1.4 SELECT A — GL6
LDL004

DL006
000

ALU CHECK
BITS 1.2-1.4
E.C. HISTORY — E.C. MACH.3705
FRAME 01
IBM CORP.SCD DL006
DATE LAST EC
10-14-80 344270 P.N. 1859612 000







000 DL007

139 - CARRY PROPOGATE 1.2-1.4 DK977-CJ6

232 - CARRY GENERATE 1.2-1.4- DK977-DB2

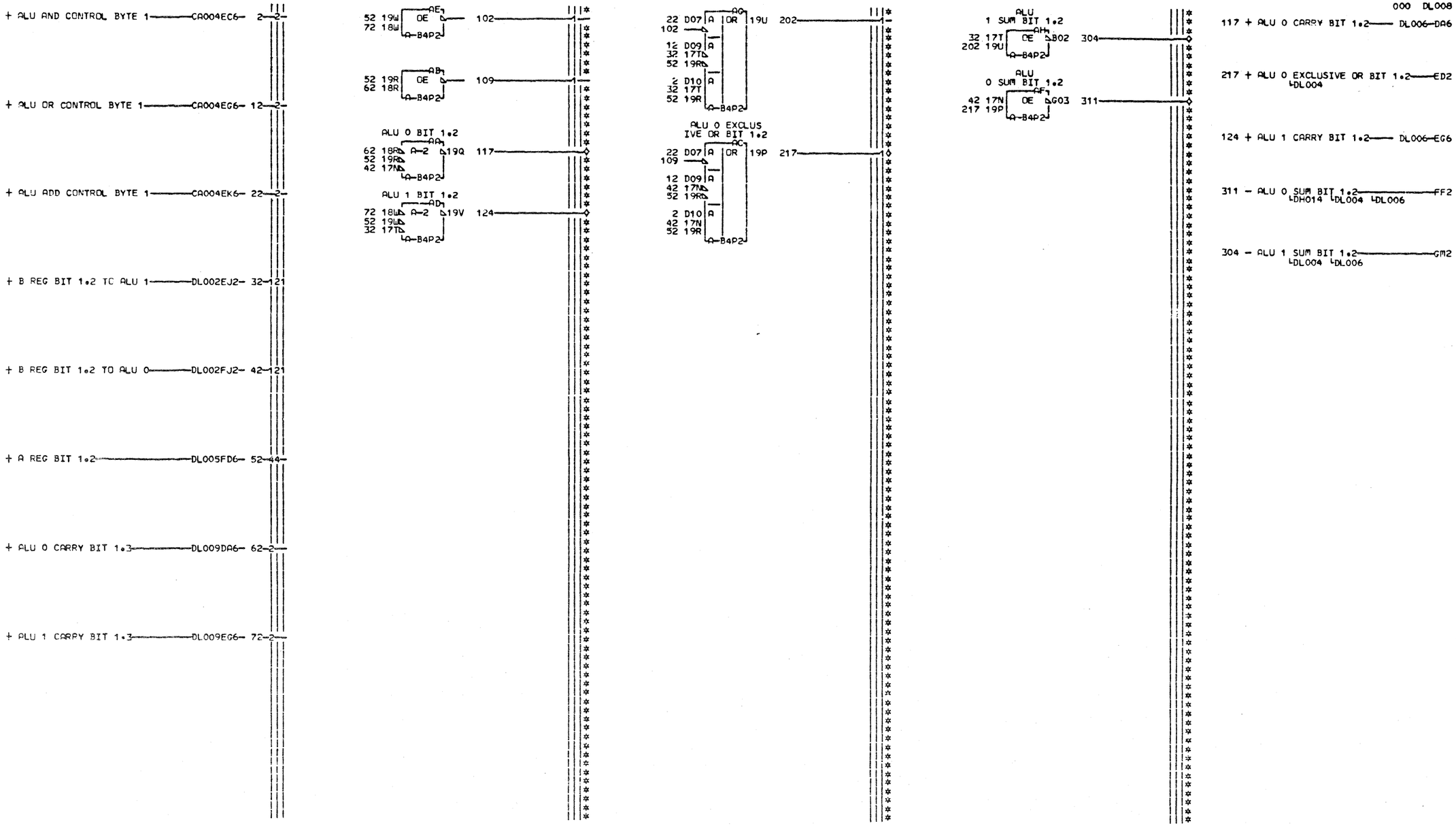
204 - CARRY LA FROM BITS 1.2-1.4 DD2
LDK976 LDK977

205 + CARRY LA FROM BITS 1.2-1.4 DD6
LDK976 LDL006

DL007
000

3-BIT CARRY LOOKAHEAD
BITS 1.2-1.4

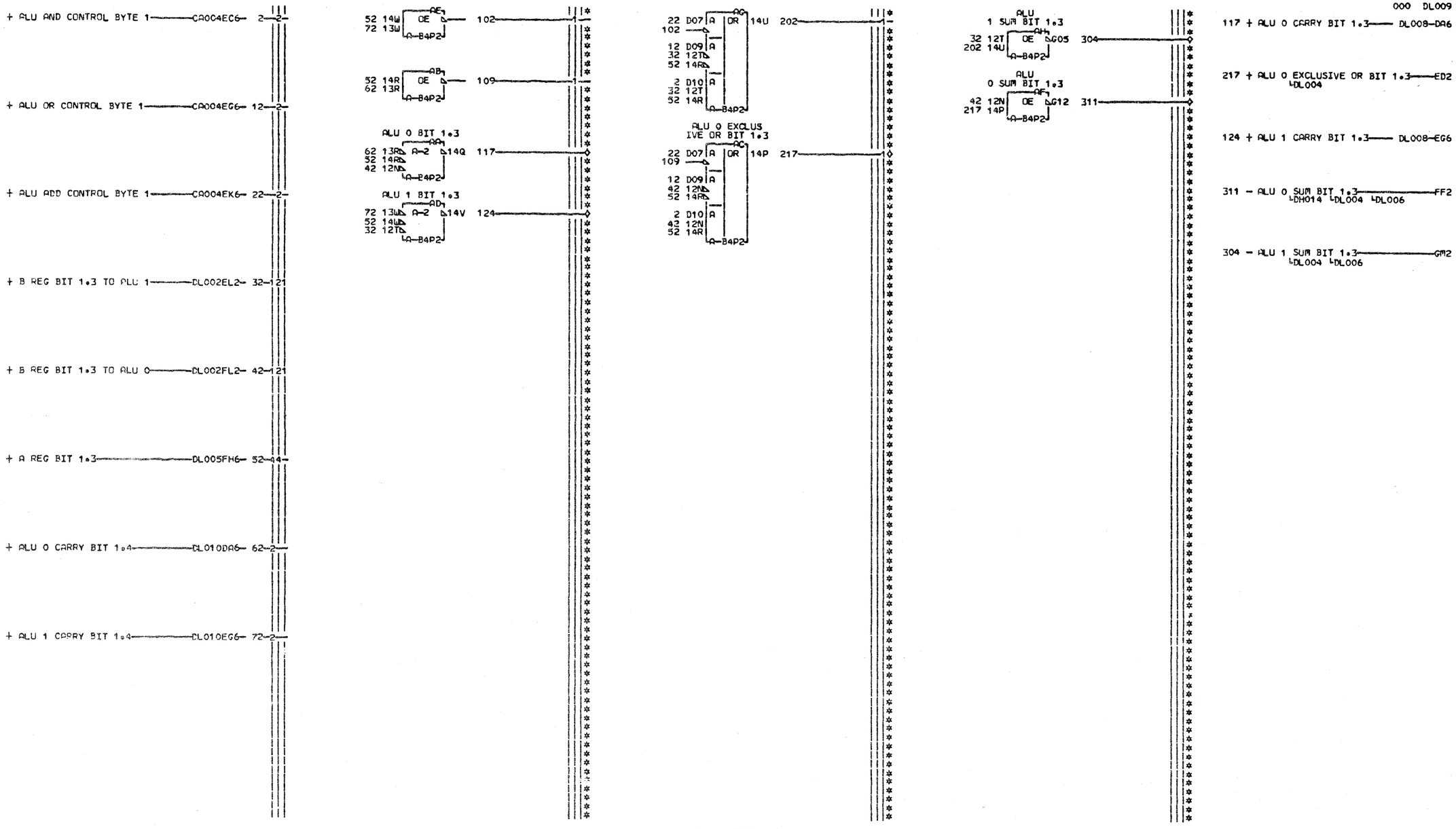
E.C. HISTORY	MACH.3705	
	FRAME 01	
	IBM CORP. SCD	DL007
DATE LAST EC	P.N. 1859613	000
10-14-80 344270		



LOC. TYPE
A-B4P2 6802

DL008
000

ALU 0 AND ALU 1
BIT 1.2
E.C.-HISTORY E-MACH.3705
FRAME 01
IBM CORP.SCD DL008
DATE LAST EC P.N. 1859614 000
10-14-80 344270



LOC. TYPE
A-B4P2 6802

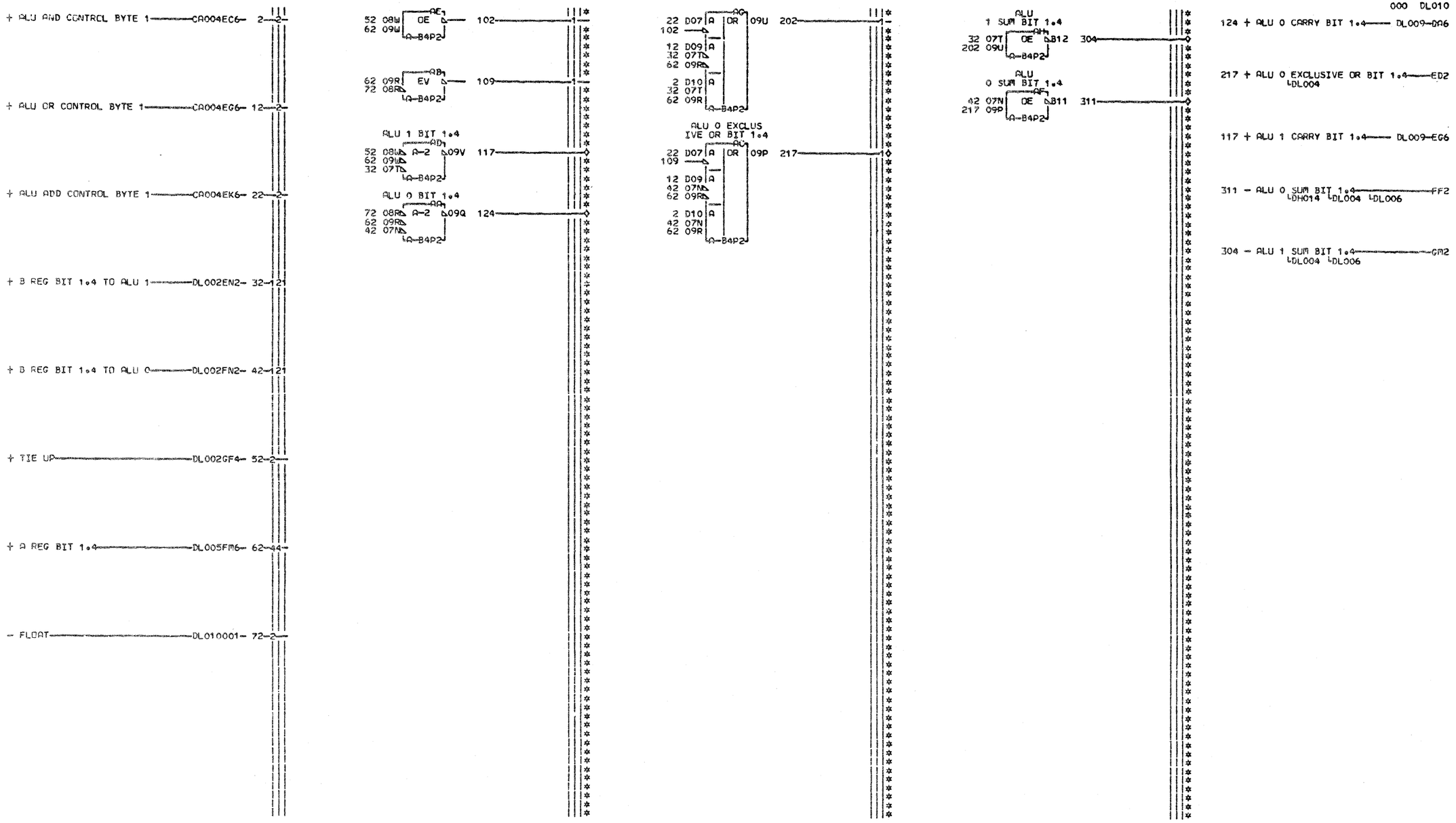
DL009
000

ALU 0 AND ALU 1
BIT 1.3
E.C. HISTORY

DATE	LAST EC
10-14-80	344270

MACH. 3705
FRAME 01
IBM CORP. SCD
P.No. 1859615

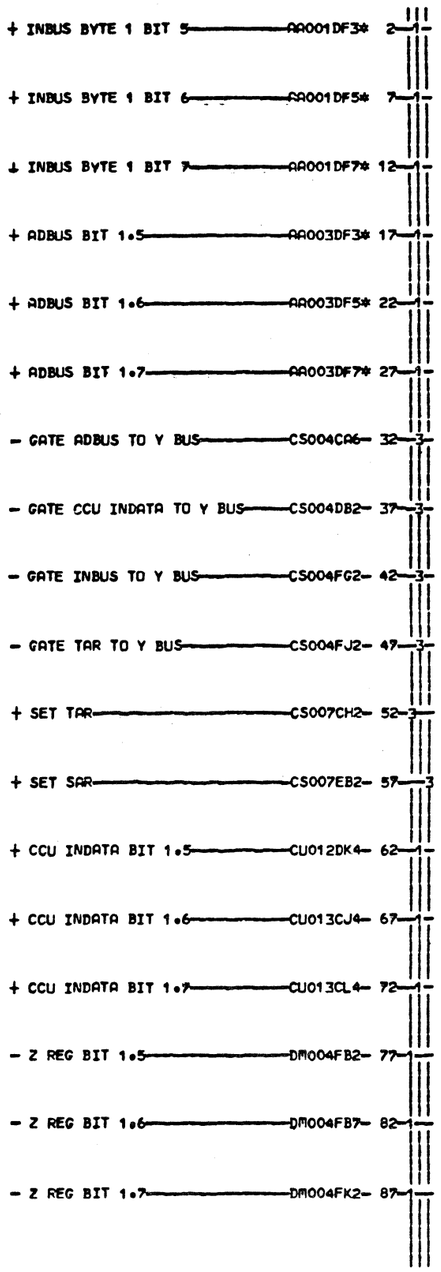
DL009
000

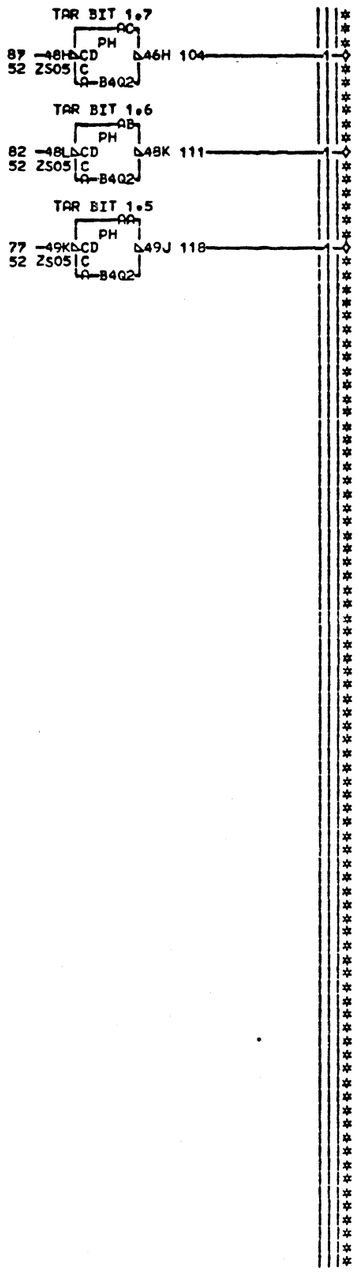


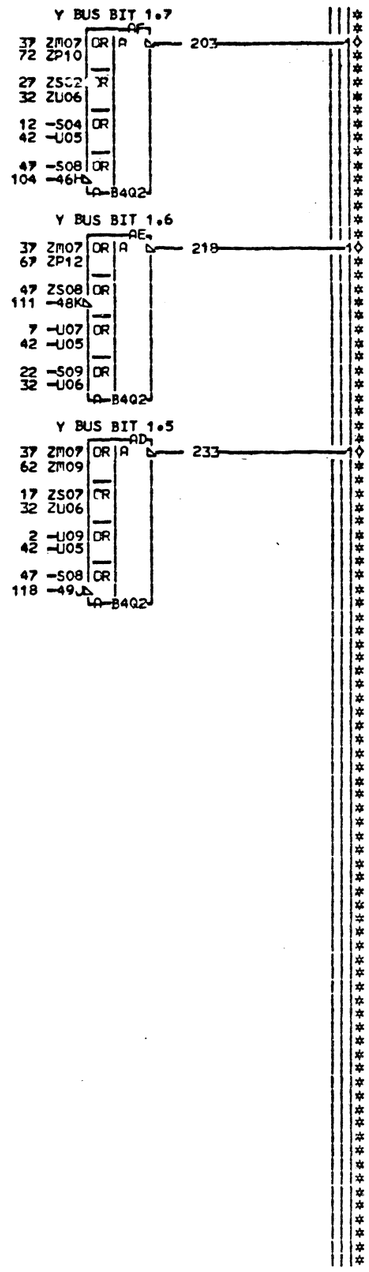
LOC. TYPE
A-B4P2 6802

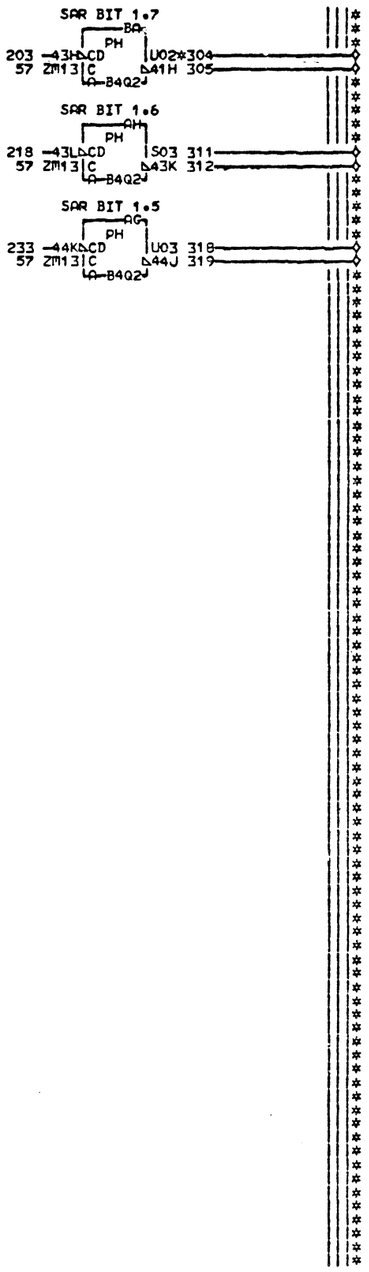
DL010
000

ALU 0 AND ALU 1
BIT 1.4
E.C.-HISTORY- E MACH.3705
FRAME 01
IBM CORP.SCD DL010
DATE LAST EC
10-14-80 344270 P.N. 1859616 000









000 DM001

118 - TAR BIT 1.5 — DM003-AC6

111 - TAR BIT 1.6 — DM003-AG6

104 - TAR BIT 1.7 — DM003-AM6

233 - Y BUS BIT 1.5 — DM002-DC4

218 - Y BUS BIT 1.6 — DM002-DH4

203 - Y BUS BIT 1.7 — DM002-DL4

318 + SAR BIT 1.5 — EC2
◇CW002 ↳CW012 ↳CW014 ↳DS001
↳DT001 ↳DU001 ↳DV001

319 - SAR BIT 1.5 — EC6
↳DM002 ↳DM005

311 + SAR BIT 1.6 — EH2
◇CW002 ↳CW012 ↳CW014 ↳DS001
↳DT001 ↳DU001 ↳DV001

312 - SAR BIT 1.6 — EH6
↳DM002 ↳DM005

304 + SAR BIT 1.7 — EK2
◇CA003 ↳CS002 ↳CS005 ↳CS006
↳CW002 ↳CW012 ↳CW014 ↳DS001

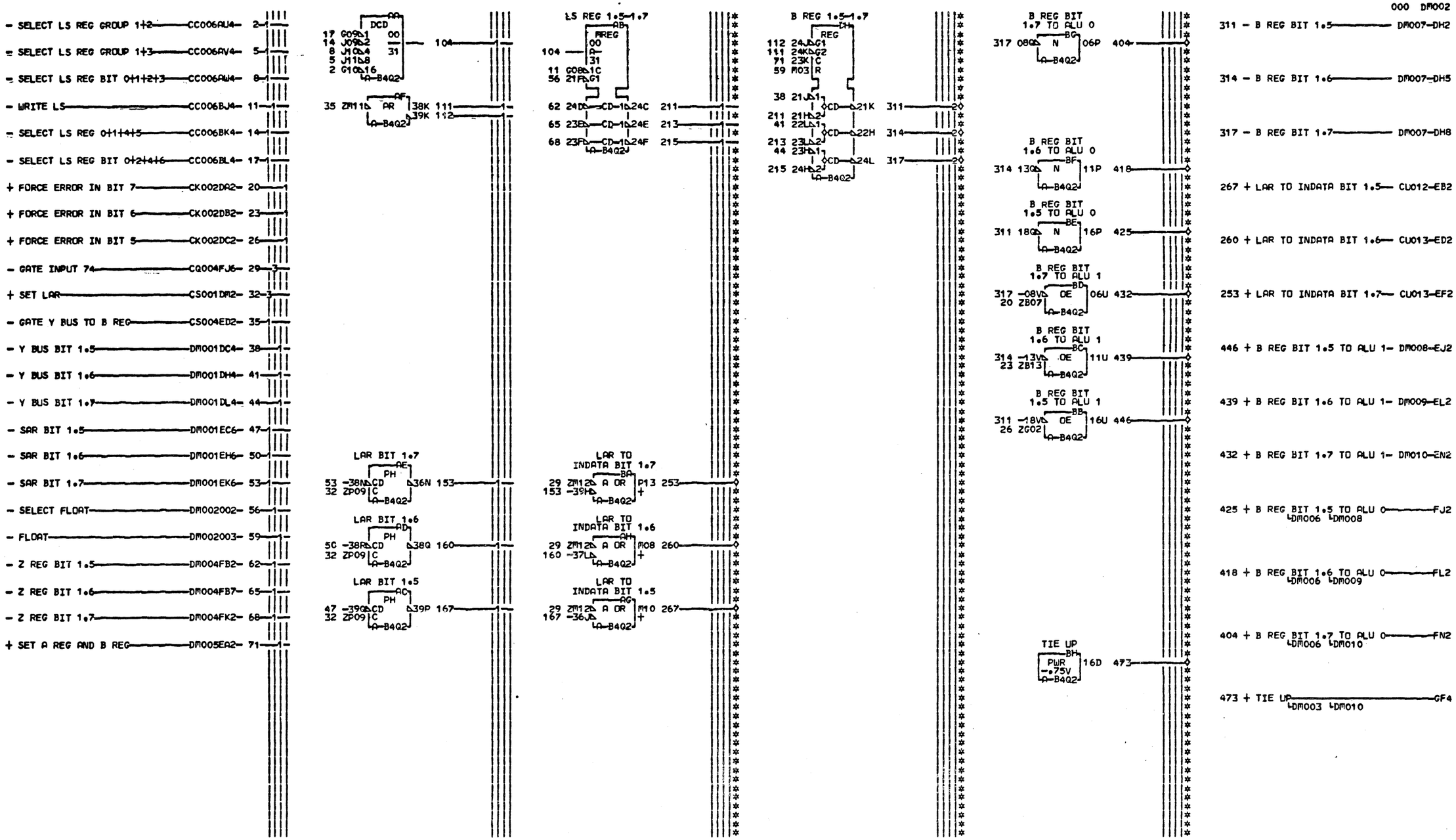
305 - SAR BIT 1.7 — EK6
↳DM002 ↳DM005

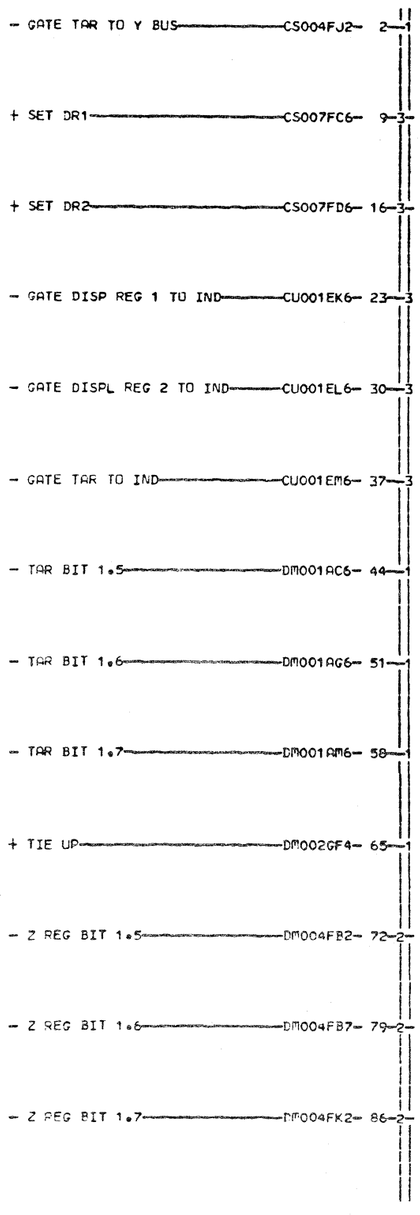
EDGE CONN. A-B4Q2S09
2 RESISTOR A-B4Q2U09 27 RESISTOR A-B4Q2S02
7 RESISTOR A-B4Q2U07 304 A-B4F6C04 01A-B3F1C13
12 RESISTOR A-B4Q2S04
17 RESISTOR A-B4Q2S07
22 RESISTOR

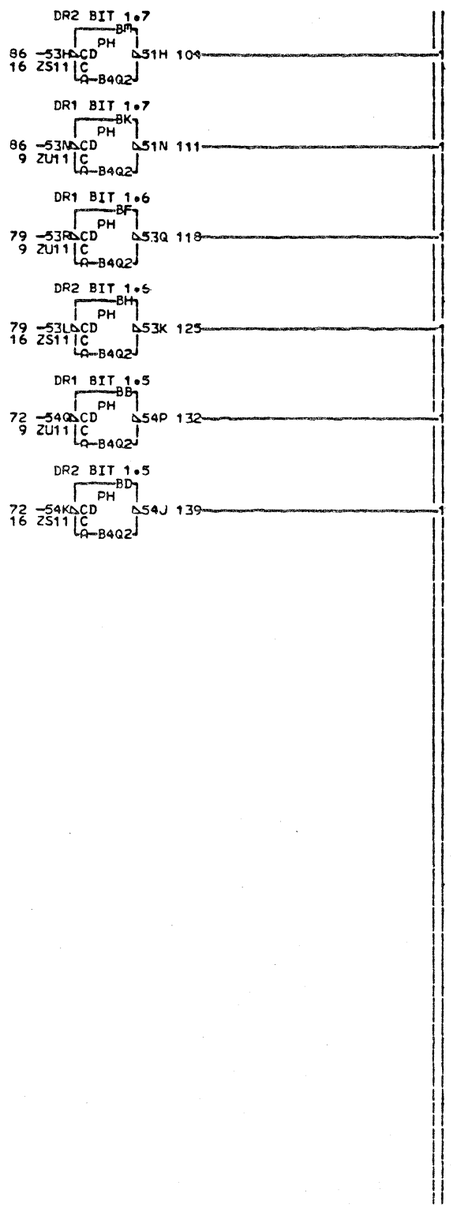
LOC. TYPE
A-B4Q2 6802

DM001
CCO

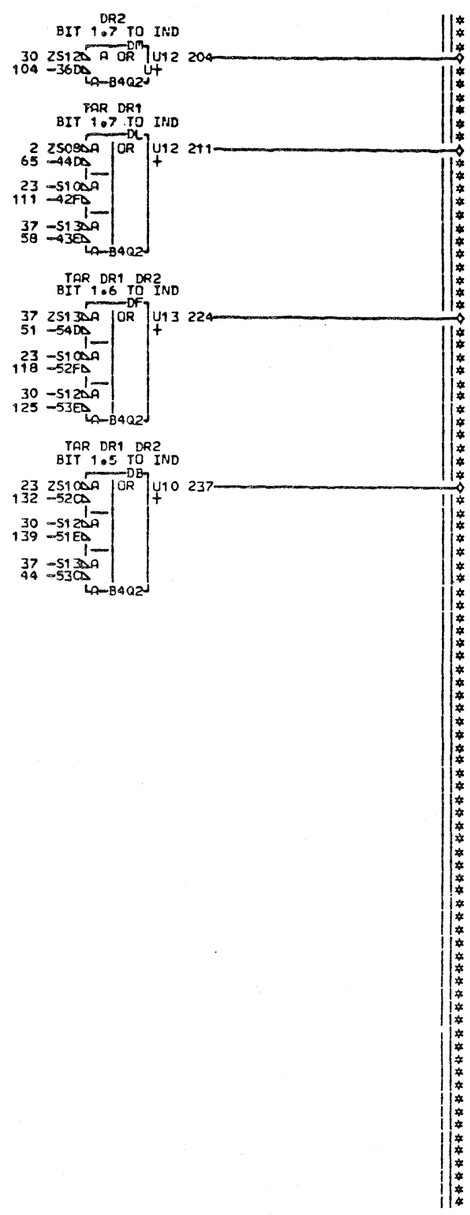
SAR TAR AND Y BUS ASSEMBLERS
BITS 1.5-1.7
E.C. HISTORY E. MACH.3705
344270
FRAME 01
IBM CORP.SCD DM001
DATE LAST EC
06-02-81 344828
P.N. 1859617 000


- SELECT LS REG GROUP 1+2 CC006AU4- 2
- SELECT LS REG GROUP 1+3 CC006AV4- 5
- SELECT LS REG BIT 0+1+2+3 CC006AW4- 8
- WRITE LS CC006BJ4- 11
- SELECT LS REG 0+1+4+5 CC006BK4- 14
- SELECT LS REG BIT 0+2+4+6 CC006BL4- 17
+ FORCE ERROR IN BIT 7 CK002DA2- 20
+ FORCE ERROR IN BIT 6 CK002DB2- 23
+ FORCE ERROR IN BIT 5 CK002DC2- 26
- GATE INPUT 74 CQ004FJ6- 29
+ SET LAR CS001DM2- 32
- GATE Y BUS TO B REG CS004ED2- 35
- Y BUS BIT 1.5 DM001DC4- 38
- Y BUS BIT 1.6 DM001DH4- 41
- Y BUS BIT 1.7 DM001DL4- 44
- SAR BIT 1.5 DM001EC6- 47
- SAR BIT 1.6 DM001EH6- 50
- SAR BIT 1.7 DM001EK6- 53
- SELECT FLOAT DM002002- 56
- FLOAT DM002003- 59
- Z REG BIT 1.5 DM004FB2- 62
- Z REG BIT 1.6 DM004FB7- 65
- Z REG BIT 1.7 DM004FK2- 68
+ SET A REG AND B REG DM005EA2- 71
DCD
17 G09 1
14 J09 2
8 J10 4
5 J11 8
2 G10 16
A-B402
00
31
104
AA
AF
35 ZM11 AR
38K 111
39K 112
LS REG 1.5-1.7
AREG
104
11 G08 1C
56 21F G1
62 24D CD-1 24C 211
65 23E CD-1 24E 213
68 23F CD-1 24F 215
AB
B REG 1.5-1.7
REG
112 24J G1
111 24K G2
71 23K C
59 M03 R
38 21J 1
211 21H 2
41 22L 1
213 23L 2
44 23H 1
215 24H 2
CD-1 21K 311
CD-1 22H 314
CD-1 24L 317
DH
LAR BIT 1.7
PH
53 -38N CD
32 ZP09 C
36N 153
AE
LAR BIT 1.6
PH
50 -38R CD
32 ZP09 C
38Q 160
AD
LAR BIT 1.5
PH
47 -39Q CD
32 ZP09 C
39P 167
AC
LAR TO INDATA BIT 1.7
29 ZM12 A OR
153 -39H
P13 253
BA
LAR TO INDATA BIT 1.6
29 ZM12 A OR
160 -37L
M08 260
AH
LAR TO INDATA BIT 1.5
29 ZM12 A OR
167 -36J
M10 267
AG
B REG BIT 1.7 TO ALU 0
317 08Q N
06P 404
BG
B REG BIT 1.6 TO ALU 0
314 13Q N
11P 418
BF
B REG BIT 1.5 TO ALU 0
311 18Q N
16P 425
BE
B REG BIT 1.7 TO ALU 1
317 -08V OE
20 ZB07
06U 432
BD
B REG BIT 1.6 TO ALU 1
314 -13V OE
23 ZB13
11U 439
BC
B REG BIT 1.5 TO ALU 1
311 -18V OE
26 ZG02
16U 446
BB
TIE UP
PWR -.75V
16D 473
BH
311 - B REG BIT 1.5 DM007-DH2
314 - B REG BIT 1.6 DM007-DH5
317 - B REG BIT 1.7 DM007-DH8
267 + LAR TO INDATA BIT 1.5 CU012-EB2
260 + LAR TO INDATA BIT 1.6 CU013-ED2
253 + LAR TO INDATA BIT 1.7 CU013-EF2
446 + B REG BIT 1.5 TO ALU 1 DM008-EJ2
439 + B REG BIT 1.6 TO ALU 1 DM009-EL2
432 + B REG BIT 1.7 TO ALU 1 DM010-EN2
425 + B REG BIT 1.5 TO ALU 0 FJ2
DM006 DM008
418 + B REG BIT 1.6 TO ALU 0 FL2
DM006 DM009
404 + B REG BIT 1.7 TO ALU 0 FN2
DM006 DM010
473 + TIE UP GF4
DM003 DM010
000 DM002
LDC. TYPE
A-B402 6802
B REG LAR AND LOCAL STORE
BITS 1.5 1.6 1.7
E.C. HISTORY
344270
MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1859618
DM002
000
DATE LAST EC
06-02-81 344828
DM002
00C





LOC. TYPE
A-B4Q2 6802



000 DM003

237 + TAR DR1 DR2 BIT 1.5 TO IND——DB2
LAP015

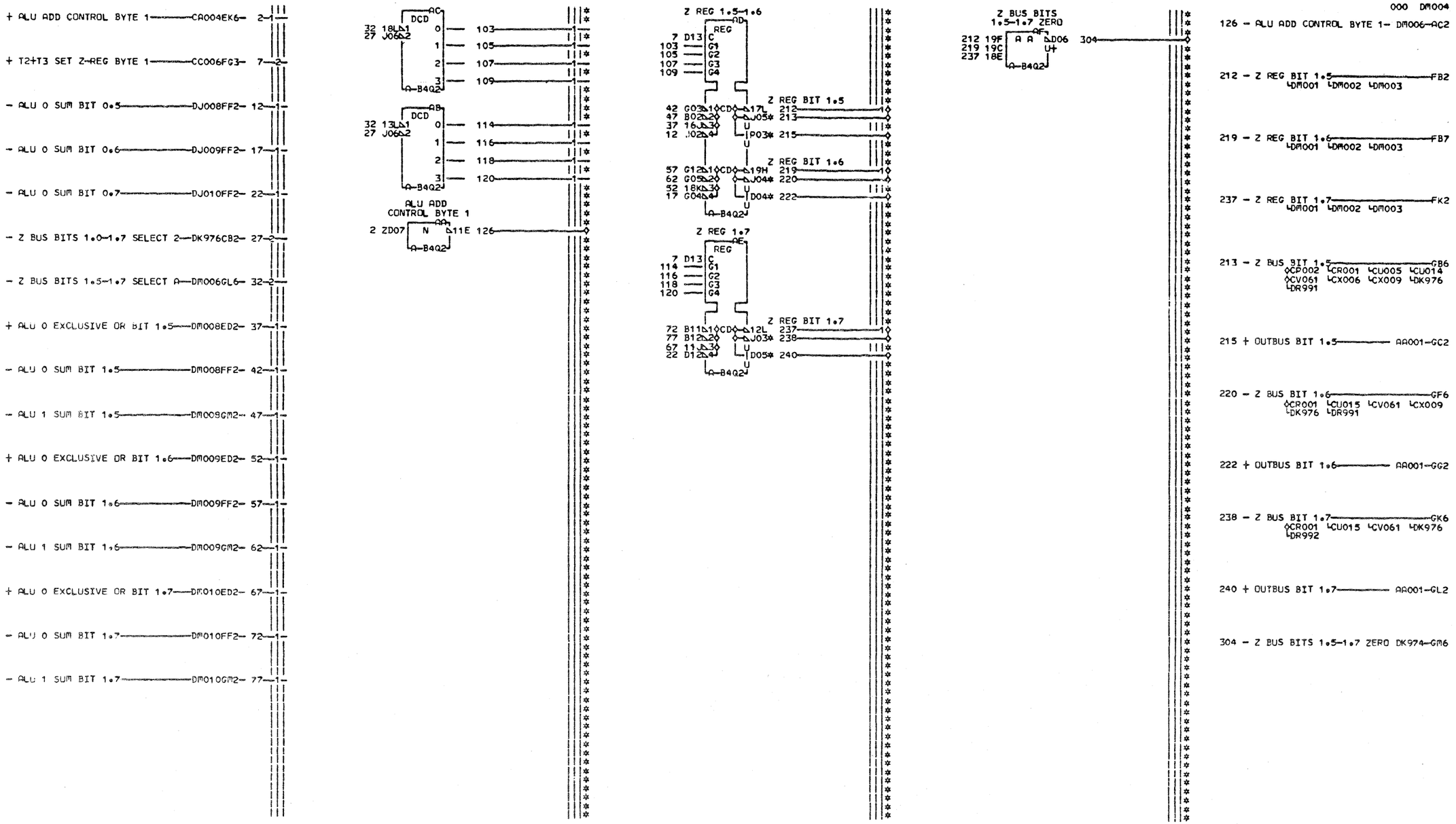
224 + TAR DR1 DR2 BIT 1.6 TO IND——DF2
LAP015

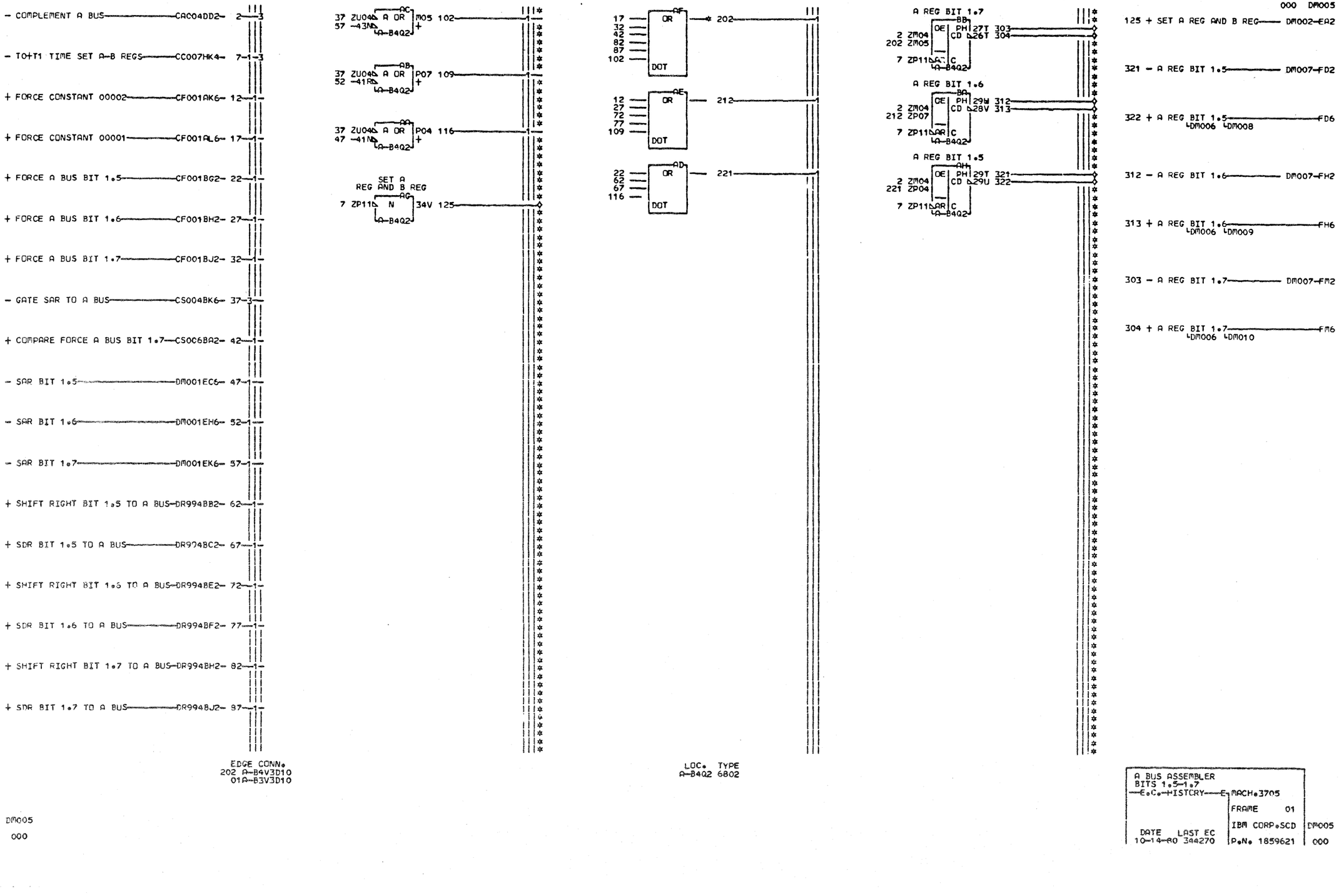
211 + TAR DR1 BIT 1.7 TO IND— AP015—DL2

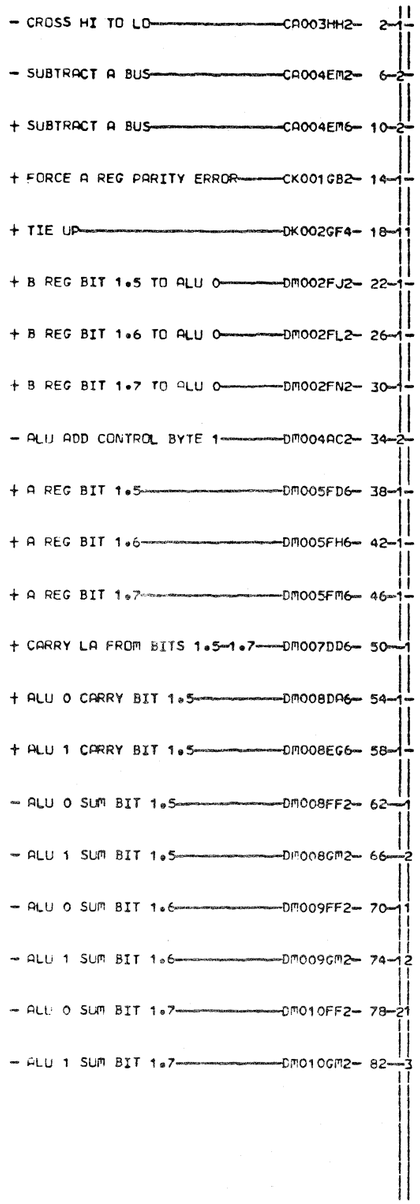
204 + DR2 BIT 1.7 TO IND—— AP015—DM2

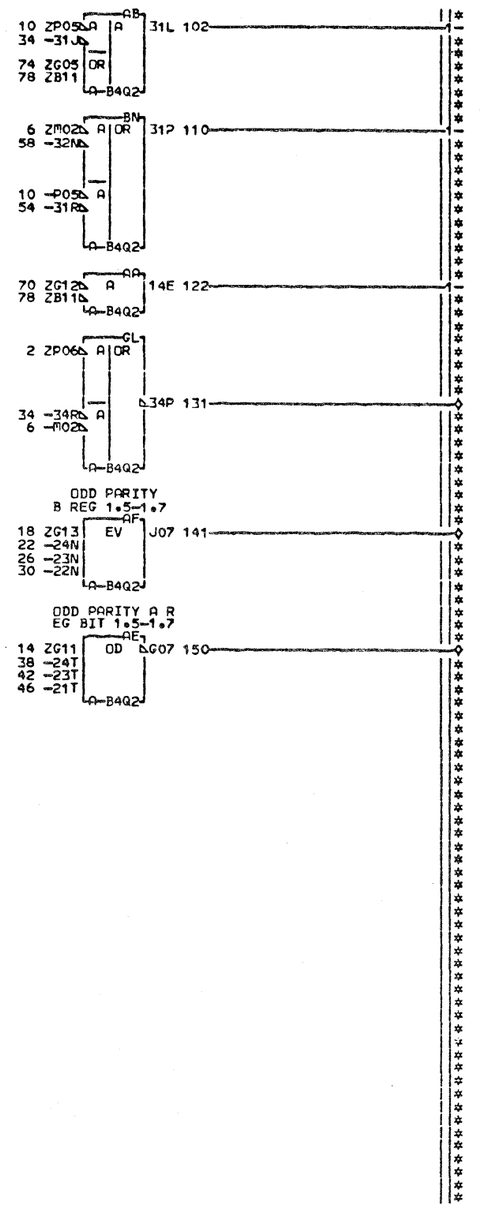
DM003
000

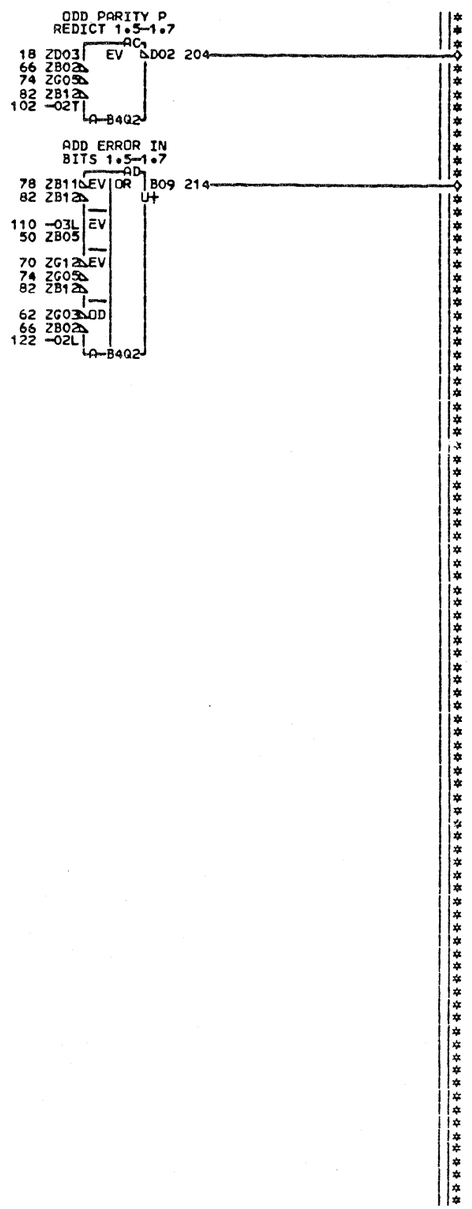
CCU DISPLAY REGISTERS 1 AND 2
BITS 1.5 1.6 AND 1.7
—E.C.—HISTORY——E— MACH.3705
FRAME 01
IBM CORP.SCD DM003
DATE LAST EC P.No. 1859619 000
10-14-80 344270

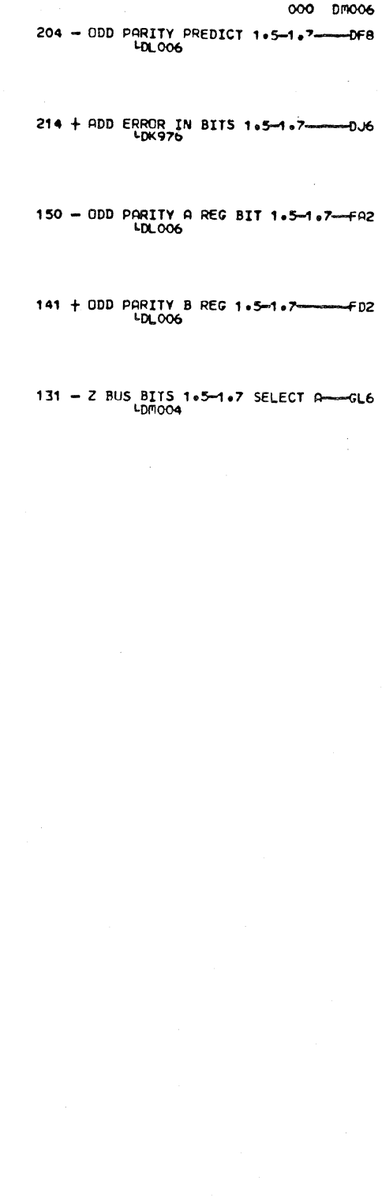

+ ALU ADD CONTROL BYTE 1 — CA004EK6 — 2
+ T2+T3 SET Z-REG BYTE 1 — CC006FG3 — 7
- ALU 0 SUM BIT 0.5 — DJ008FF2 — 12
- ALU 0 SUM BIT 0.6 — DJ009FF2 — 17
- ALU 0 SUM BIT 0.7 — DJ010FF2 — 22
- Z BUS BITS 1.0-1.7 SELECT 2 — DK976CB2 — 27
- Z BUS BITS 1.5-1.7 SELECT A — DM006GL6 — 32
+ ALU 0 EXCLUSIVE OR BIT 1.5 — DM008ED2 — 37
- ALU 0 SUM BIT 1.5 — DM008FF2 — 42
- ALU 1 SUM BIT 1.5 — DM008GM2 — 47
+ ALU 0 EXCLUSIVE OR BIT 1.6 — DM009ED2 — 52
- ALU 0 SUM BIT 1.6 — DM009FF2 — 57
- ALU 1 SUM BIT 1.6 — DM009GM2 — 62
+ ALU 0 EXCLUSIVE OR BIT 1.7 — DM010ED2 — 67
- ALU 0 SUM BIT 1.7 — DM010FF2 — 72
- ALU 1 SUM BIT 1.7 — DM010GM2 — 77
AC DCD
32 18L 27 J06 0 1 2 3 — 103 105 107 109
A-B4Q2
AB DCD
32 13L 27 J06 0 1 2 3 — 114 116 118 120
A-B4Q2
ALU ADD CONTROL BYTE 1
AA
2 ZD07 N 11E 126
A-B4Q2
Z REG 1.5-1.6
AD REG
7 D13 C
103 G1
105 G2
107 G3
109 G4
Z REG BIT 1.5
42 G03 1 CD 17L 212
47 B02 2 J03* 213
37 16 3 U
12 J02 4 P03* 215
U
57 G12 1 CD 19H 219
62 G05 2 J04* 220
52 18K 3 U
17 G04 4 D04* 222
U
A-B4Q2
Z REG 1.7
AE REG
7 D13 C
114 G1
116 G2
118 G3
120 G4
Z REG BIT 1.7
72 B11 1 CD 12L 237
77 B12 2 J03* 238
67 11 3 U
22 D12 4 D05* 240
U
A-B4Q2
Z BUS BITS 1.5-1.7 ZERO
AF
212 19F 219 19C 237 18E A A J06 U+ 304
A-B4Q2
000 DM004
126 - ALU ADD CONTROL BYTE 1 - DM006-AC2
212 - Z REG BIT 1.5 — FB2
LDM001 LDM002 LDM003
219 - Z REG BIT 1.6 — FB7
LDM001 LDM002 LDM003
237 - Z REG BIT 1.7 — FK2
LDM001 LDM002 LDM003
213 - Z BUS BIT 1.5 — GB6
CP002 LCR001 LCU005 LCU014
CV061 LCX006 LCX009 LDK976
LDR991
215 + OUTBUS BIT 1.5 — AA001-GC2
220 - Z BUS BIT 1.6 — GF6
CR001 LCU015 LCV061 LCX009
LDK976 LDR991
222 + OUTBUS BIT 1.6 — AA001-GG2
238 - Z BUS BIT 1.7 — GK6
CR001 LCU015 LCV061 LDK976
LDR992
240 + OUTBUS BIT 1.7 — AA001-GL2
304 - Z BUS BITS 1.5-1.7 ZERO DK974-GM6
EDGE CONN.
213 A-B4F1E13
01A-B3F6E04
215 A-B4U4D10
220 A-B4G1A11
01A-B3G6A02
222 A-B4U4D11
238 A-B4G1A13
01A-B3G6A04
240 A-B4U4D13
LOC. TYPE
A-B4Q2 6802
ALU 0 ALU 1 AND Z REG BITS 1.5-1.7
E.C.-HISTORY
MACH.3705
FRAME 01
IBM CORP.-SCD
P.N. 1859620
DATE LAST EC
10-14-80 344270
DM004
000


- COMPLEMENT A BUS CAC04DD2- 2
- TO+T1 TIME SET A-B REGS CC007HK4- 7
+ FORCE CONSTANT 00002 CF001AK6- 12
+ FORCE CONSTANT 00001 CF001AL6- 17
+ FORCE A BUS BIT 1.5 CF001BG2- 22
+ FORCE A BUS BIT 1.6 CF001BH2- 27
+ FORCE A BUS BIT 1.7 CF001BJ2- 32
- GATE SAR TO A BUS CS004BK6- 37
+ COMPARE FORCE A BUS BIT 1.7 CS006BA2- 42
- SAR BIT 1.5 DM001EC6- 47
- SAR BIT 1.6 DM001EH6- 52
- SAR BIT 1.7 DM001EK6- 57
+ SHIFT RIGHT BIT 1.5 TO A BUS DR994BB2- 62
+ SDR BIT 1.5 TO A BUS DR994BC2- 67
+ SHIFT RIGHT BIT 1.6 TO A BUS DR994BE2- 72
+ SDR BIT 1.6 TO A BUS DR994BF2- 77
+ SHIFT RIGHT BIT 1.7 TO A BUS DR994BH2- 82
+ SDR BIT 1.7 TO A BUS DR994BJ2- 87
EDGE CONN.
202 A-B4V3D10
01A-B3V3D10
37 ZU04 A OR M05 102
57 -43N +
A-B4Q2
37 ZU04 A OR P07 109
52 -41R +
A-B4Q2
37 ZU04 A OR P04 116
47 -41N +
A-B4Q2
SET A REG AND B REG
7 ZP11 N 34V 125
A-B4Q2
17 32 42 82 87 102 OR DOT 202
12 27 72 77 109 OR DOT 212
22 62 67 116 OR DOT 221
A REG BIT 1.7
2 ZM04 202 ZM05
OE PH 27T 303
CD 26T 304
7 ZP11 C
A-B4Q2
A REG BIT 1.6
2 ZM04 212 ZP07
OE PH 29W 312
CD 28V 313
7 ZP11 C
A-B4Q2
A REG BIT 1.5
2 ZM04 221 ZP04
OE PH 29T 321
CD 29U 322
7 ZP11 C
A-B4Q2
000 DM005
125 + SET A REG AND B REG DM002-EA2
321 - A REG BIT 1.5 DM007-FD2
322 + A REG BIT 1.5 FD6
LDM006 LDM008
312 - A REG BIT 1.6 DM007-FH2
313 + A REG BIT 1.6 FH6
LDM006 LDM009
303 - A REG BIT 1.7 DM007-FM2
304 + A REG BIT 1.7 FM6
LDM006 LDM010
LOC. TYPE
A-B4Q2 6802
A BUS ASSEMBLER
BITS 1.5-1.7
E.C.-ISTCRY-E
MACH.3705
FRAME 01
IBM CORP.SCD
DM005
DATE LAST EC
10-14-80 344270
P.N. 1859621
000
DM005
000

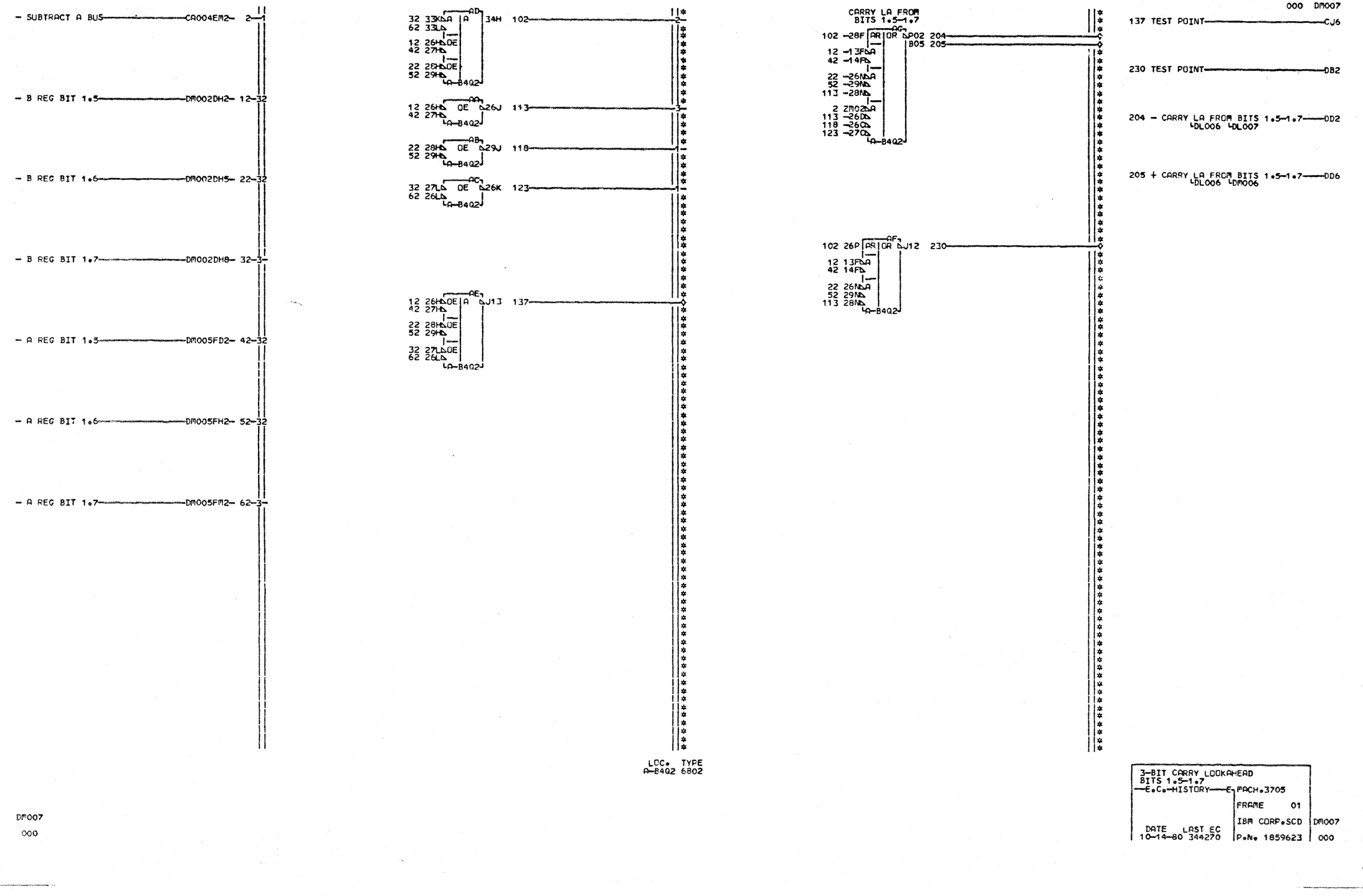


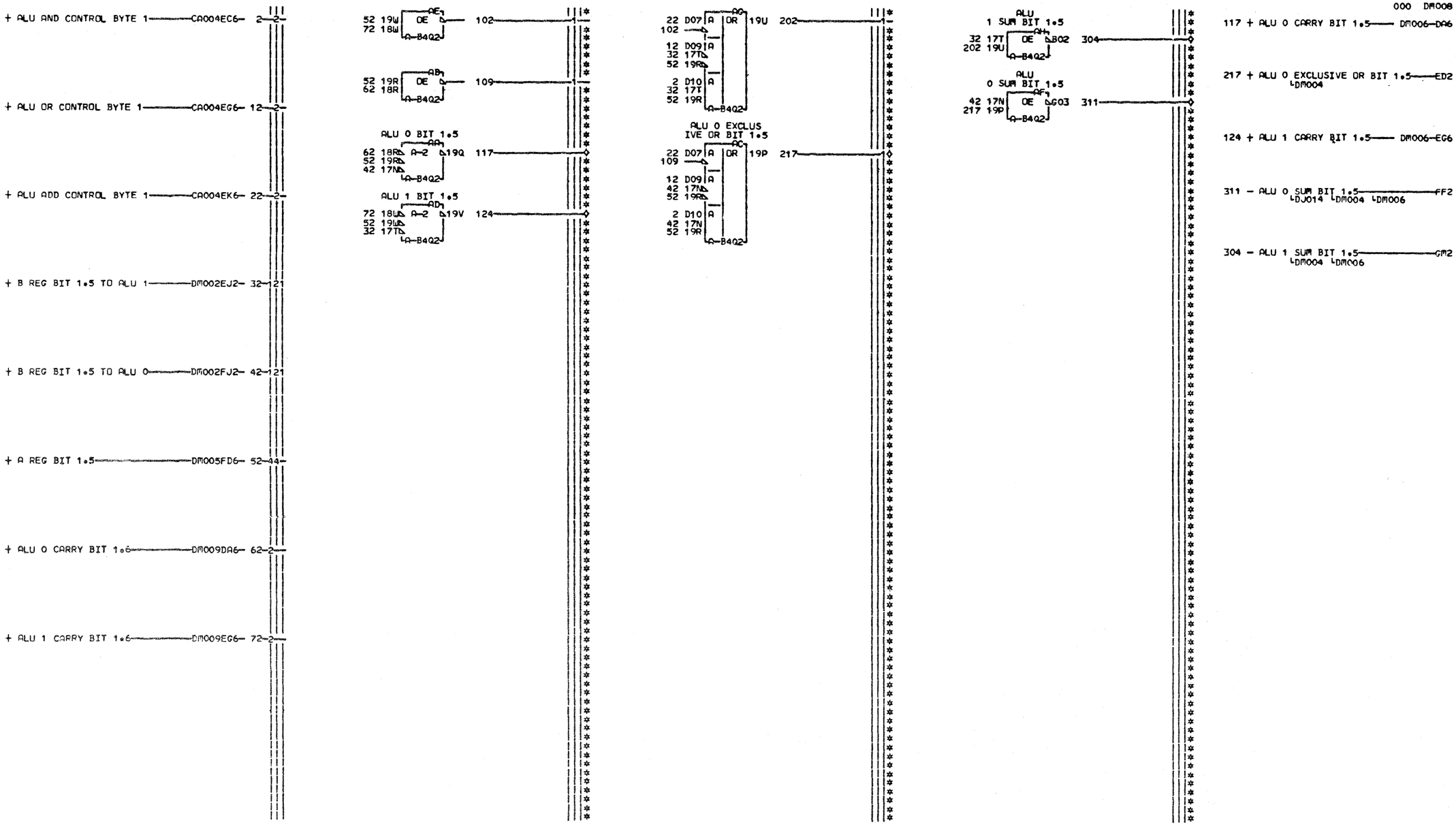






ALU CHECK
BITS 1.5-1.7
E.C. HISTORY — E. MACH. 3705
FRAME 01
IBM CORP. SCD — DM006
DATE LAST EC
10-14-80 344270
P.N. 1859622 — 000


- SUBTRACT A BUS
CA004EM2- 2
- B REG BIT 1.5
DM002DH2- 12-32
- B REG BIT 1.6
DM002DH5- 22-32
- B REG BIT 1.7
DM002DH8- 32-3
- A REG BIT 1.5
DM005FD2- 42-32
- A REG BIT 1.6
DM005FH2- 52-32
- A REG BIT 1.7
DM005FM2- 62-3
AD
32 33K
62 33L
A
34H
12 26H
42 27H
22 28H
52 29H
OE
A-B4Q2
102
AA
26J
113
AB
29J
118
AC
32 27L
62 26L
26K
123
AE
12 26H
42 27H
22 28H
52 29H
32 27L
62 26L
OE
J13
137
LOC. TYPE
A-B4Q2 6802
CARRY LA FROM
BITS 1.5-1.7
AG
102 -28F
12 -13F
42 -14F
22 -26N
52 -29N
113 -28N
2 ZM02
113 -26D
118 -26C
123 -27C
AR
OR
P02 204
B05 205
AF
102 26P
12 13F
42 14F
22 26N
52 29N
113 28N
J12 230
000 DM007
137 TEST POINT
CJ6
230 TEST POINT
DB2
204 - CARRY LA FROM BITS 1.5-1.7
DD2
DL006 DL007
205 + CARRY LA FROM BITS 1.5-1.7
DD6
DL006 DM006
3-BIT CARRY LOOKAHEAD
BITS 1.5-1.7
E.C. HISTORY
MACH.3705
FRAME 01
IBM CORP.SCD
DM007
DATE LAST EC
10-14-80 344270
P.N. 1859623
000
DM007
000



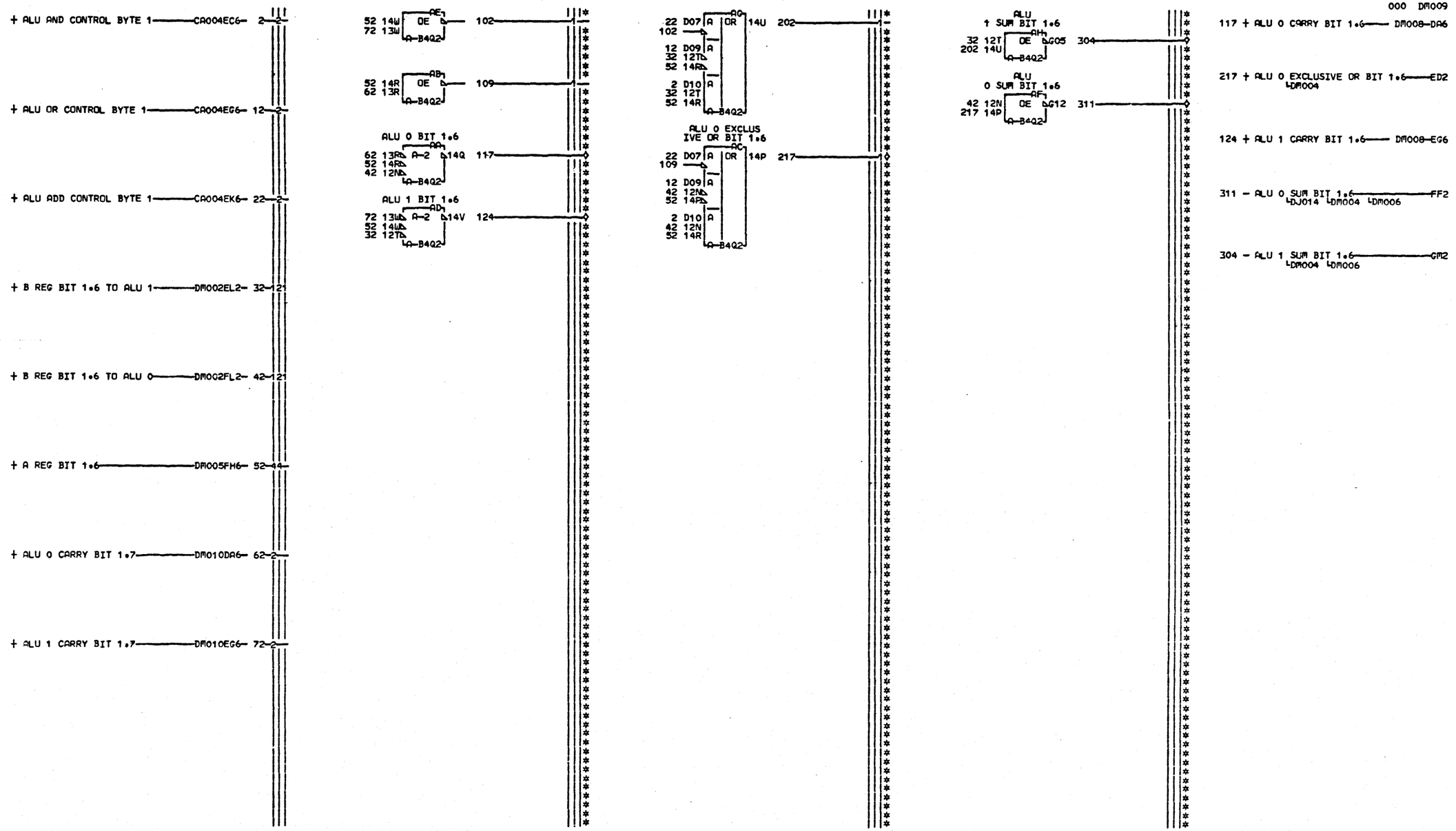
LOC. TYPE
A-B4Q2 6802

DM008
000

ALU 0 AND ALU 1
BIT 1.5
E.C.-HISTORY

	MACH.3705
	FRAME 01
	IBM CORP.SCD
DATE LAST EC	P.N. 1859624
10-14-80 344270	

DM008
000

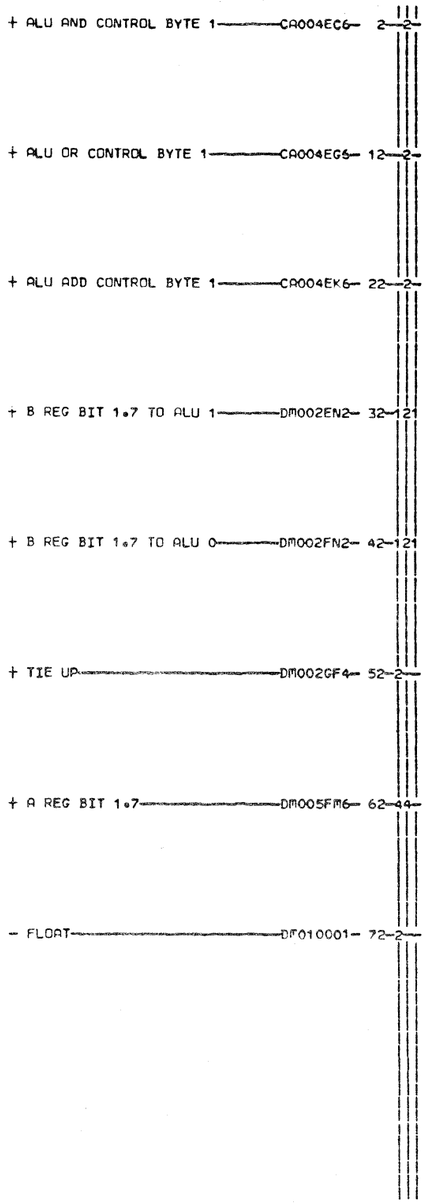


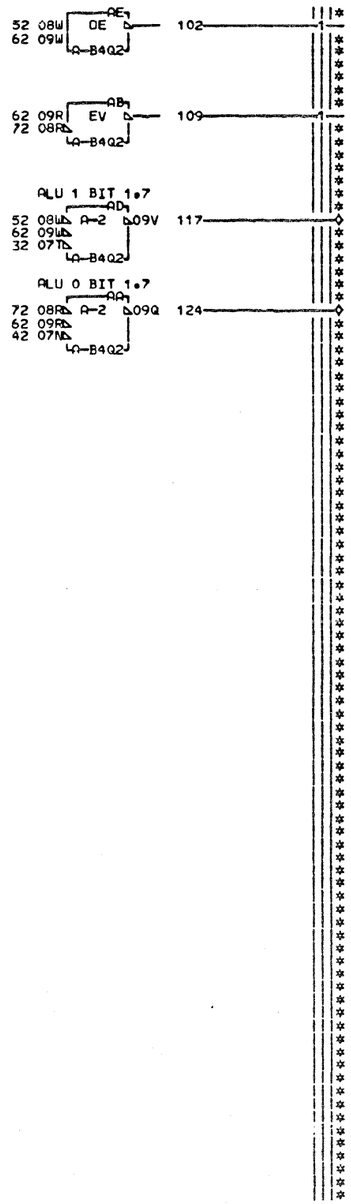
LOC. TYPE
A-B4Q2 6802

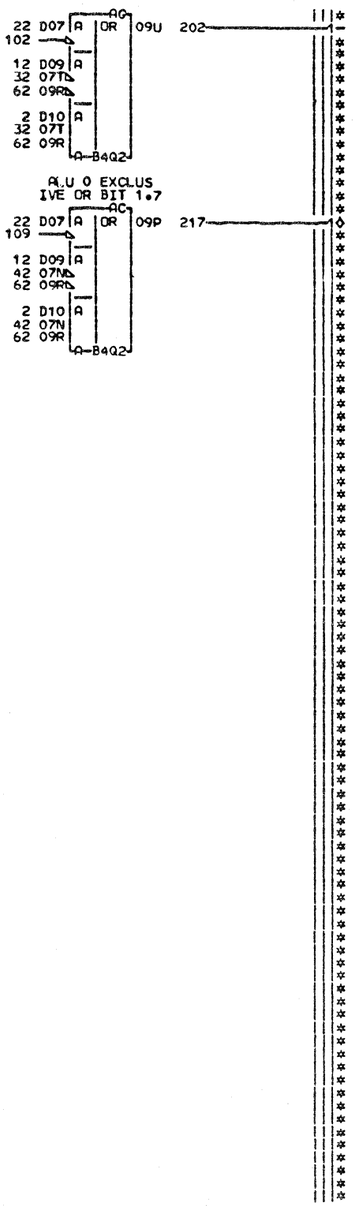
DM009
000

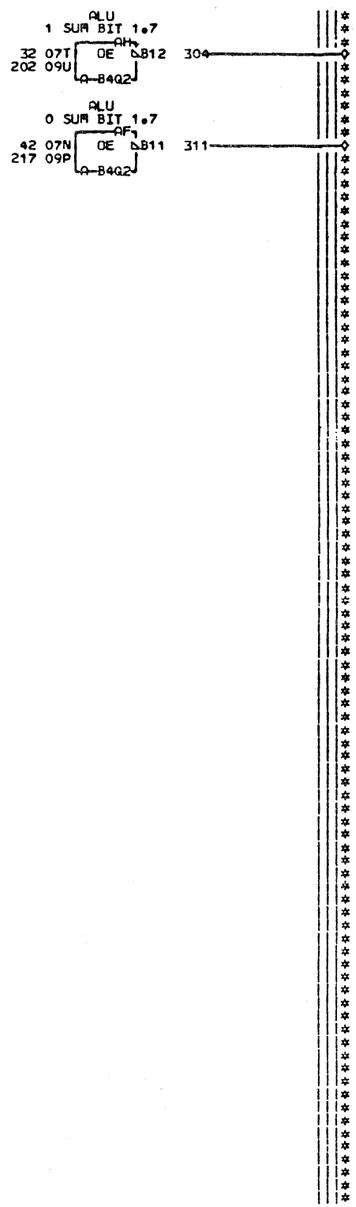
ALU 0 AND ALU 1
BIT 1.6
E.C. HISTORY E. MACH.3705

DATE	LAST EC		
10-14-80	344270	FRAME 01 IBM CORP.SCD P.N. 1859625	DM009 000









000 DM010

124 + ALU 0 CARRY BIT 1.7 — DM009-DA6

217 + ALU 0 EXCLUSIVE OR BIT 1.7 — ED2
LDM004

117 + ALU 1 CARRY BIT 1.7 — DM009-EG6

311 - ALU 0 SUM BIT 1.7 — FF2
LDJ014 LDM004 LDM006

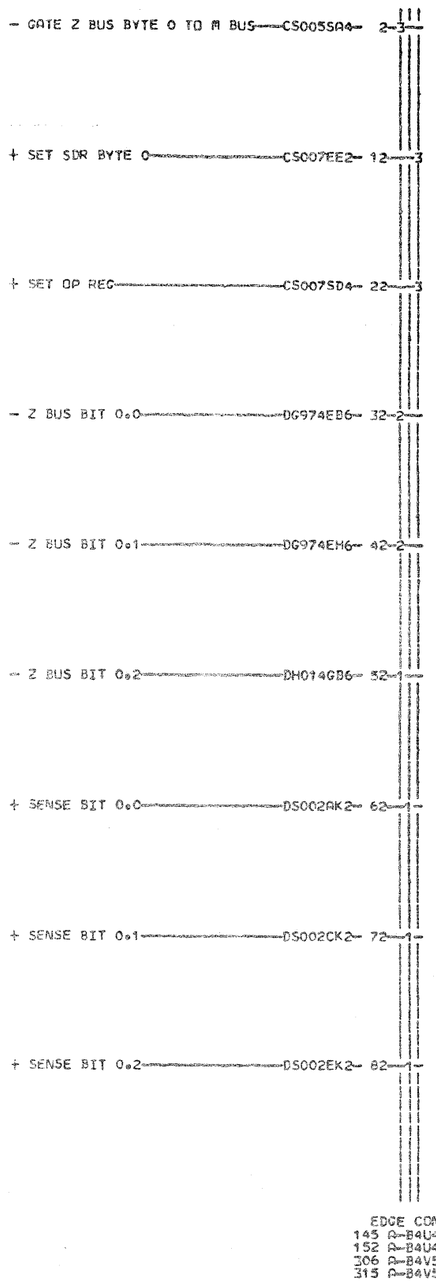
304 - ALU 1 SUM BIT 1.7 — GF2
LDM004 LDM006

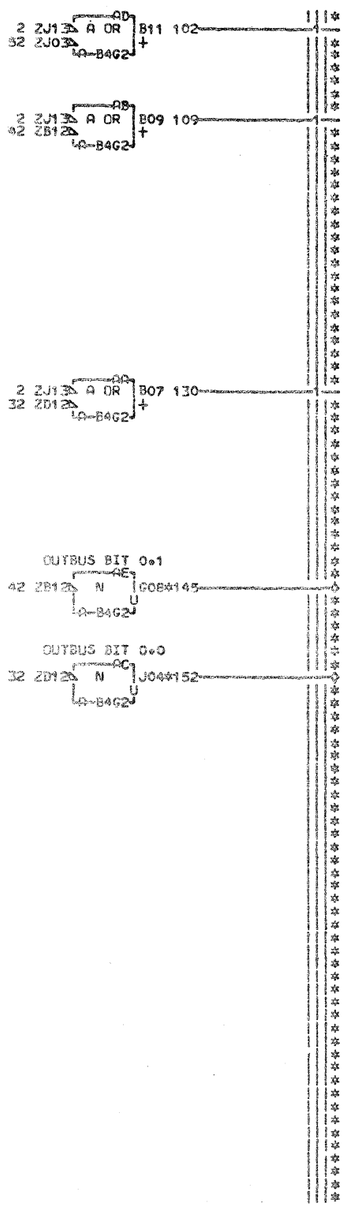
LOC. TYPE
A-B4Q2 6802

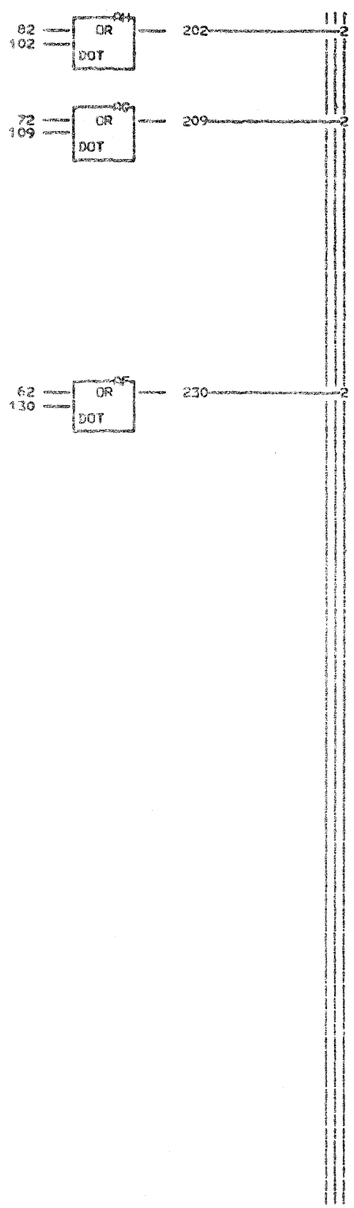
DM010
000

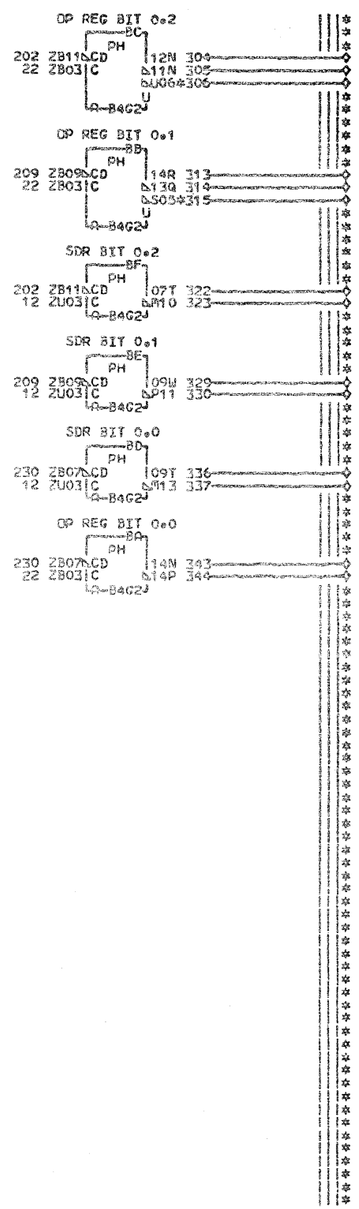
ALU 0 AND ALU 1
BIT 1.7
E.C. HISTORY — E.C. MACH.3705

DATE	LAST EC	FRAME 01	
10-14-80	344270	IBM CORP.SCD	DM010
		P.N. 1859626	000









000 DN001

152 + OUTBUS BIT 0.0 — AA001-BH2

145 + OUTBUS BIT 0.1 — AA001-BK2

343 - OP REG BIT 0.0 — DP992-DA2

344 + OP REG BIT 0.0 — DN004-DA6

313 - OP REG BIT 0.1 — DP992-DC2

314 + OP REG BIT 0.1 — DN004-DC6

304 - OP REG BIT 0.2 — DP992-DE2

305 + OP REG BIT 0.2 — DN004-DE6

336 - SDR BIT 0.0 — DH2
(DN003 DP993)

337 + MEM STORE BIT 0.0 — DS002-DK6

329 - SDR BIT 0.1 — DK2
(DN003 DP993)

330 + MEM STORE BIT 0.1 — DS002-DK6

322 - SDR BIT 0.2 — DM2
(DN003 DP993)

323 + MEM STORE BIT 0.2 — DS002-DM6

315 + I-O REG ADDR BIT 1 — AA002-GB2

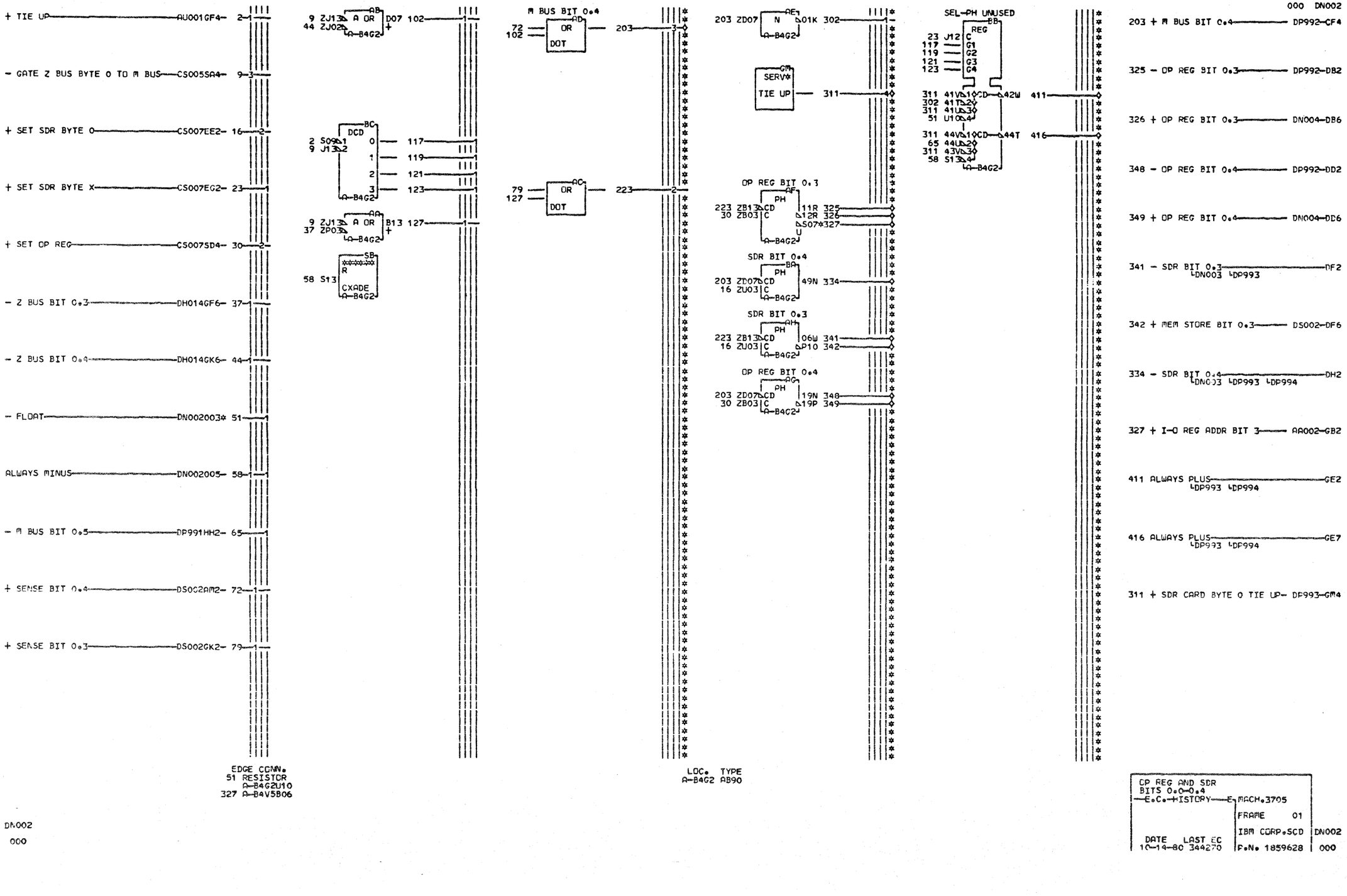
306 + I-O REG ADDR BIT 2 — AA002-GC2

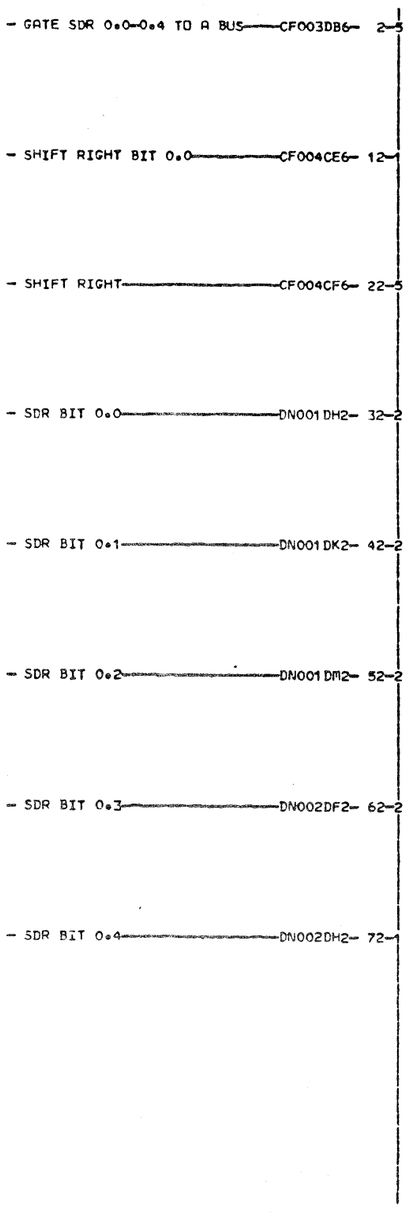
LOC. TYPE
A-B4G2 AB90

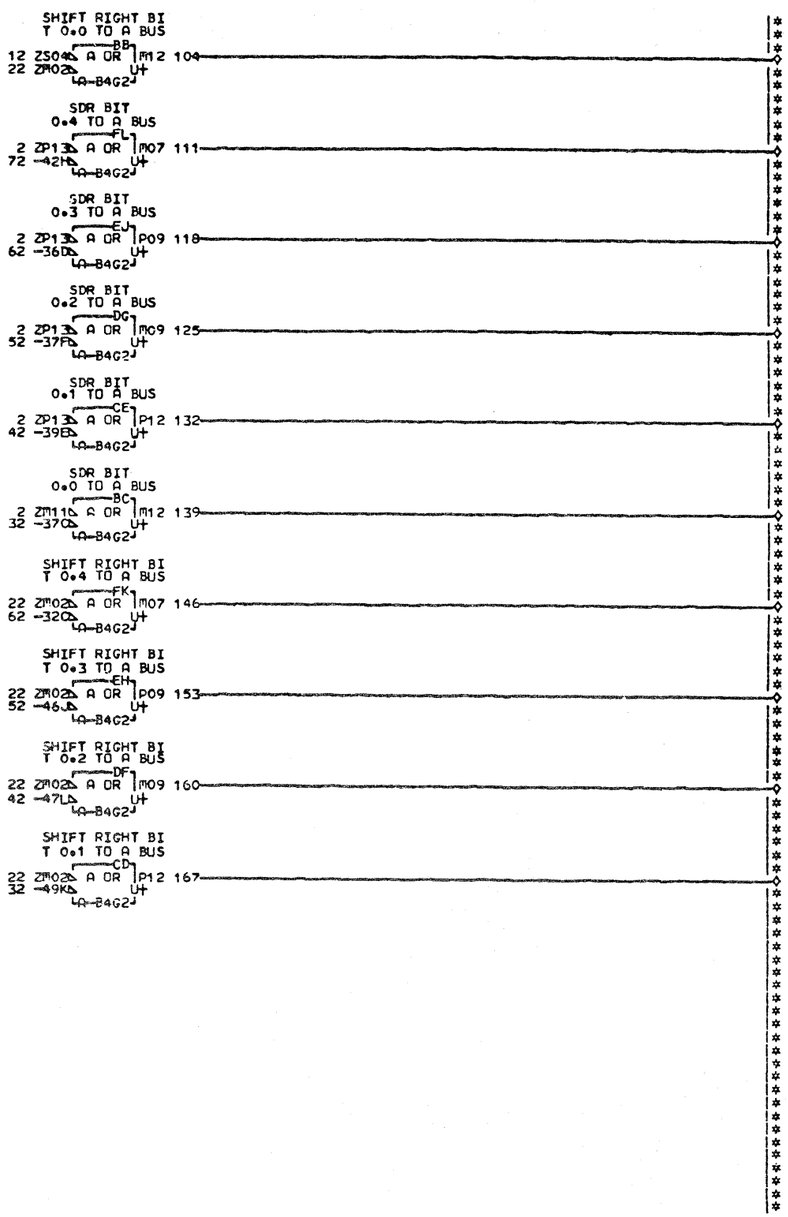
OP REG AND SDR
BITS 0.0-0.4
E.C.-HISTORY — E.PACH.3705

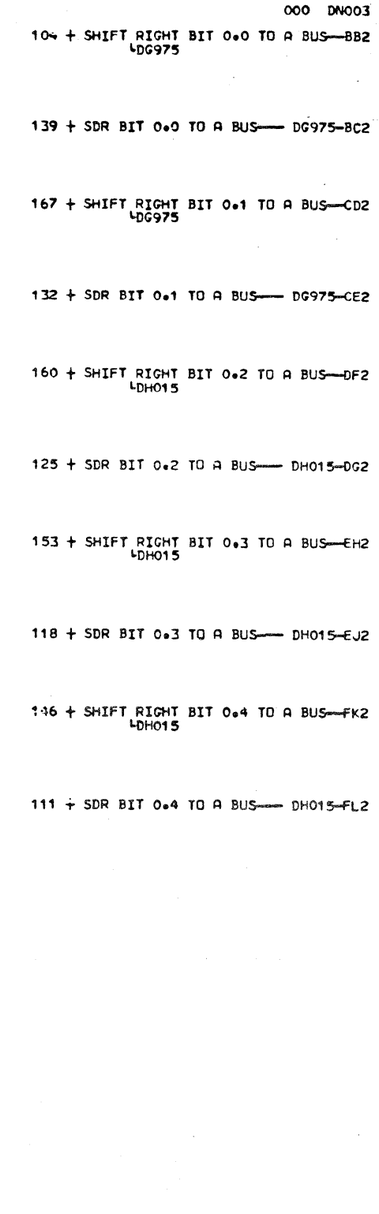
	FRAME 01	
DATE LAST EC	IBM CORP.SCD	DN001
10-14-80 344270	P.N. 1859627	C00

DN001
C00


+ TIE UP AU001GF4 2
- GATE Z BUS BYTE 0 TO M BUS CS005SA4 9
+ SET SDR BYTE 0 CS007EE2 16
+ SET SDR BYTE X CS007EG2 23
+ SET OP REG CS007SD4 30
- Z BUS BIT 0.3 DH014GF6 37
- Z BUS BIT 0.4 DH014GK6 44
- FLOAT DN002003* 51
ALWAYS MINUS DN002005 58
- M BUS BIT 0.5 DP991HH2 65
+ SENSE BIT 0.4 DS002AM2 72
+ SENSE BIT 0.3 DS002GK2 79
EDGE CONN.
51 RESISTOR
A-B4G2U10
327 A-B4V5B06
DN002
000
9 ZJ13 A OR DO7 102
44 ZJ02 B4G2
DCD
2 S09 0 117
9 J13 1 119
2 121
3 123
9 ZJ13 A OR B13 127
37 ZP03 B4G2
R
58 S13 CXADE
M BUS BIT 0.4
72 OR 203
102 DOT
79 OR 223
127 DOT
203 ZD07 N 01K 302
GM
SERV*
TIE UP 311
OP REG BIT 0.3
PH
223 ZB13 CD 11R 325
30 ZB03 C 12R 326
S07* 327
SDR BIT 0.4
PH
203 ZD07 CD 49N 334
16 ZU03 C
SDR BIT 0.3
PH
223 ZB13 CD 06W 341
16 ZU03 C P10 342
OP REG BIT 0.4
PH
203 ZD07 CD 19N 348
30 ZB03 C 19P 349
LOC. TYPE
A-B4G2 AB90
SEL-PH UNUSED
REG
23 J12 C
117 G1
119 G2
121 G3
123 G4
311 41V 1 CD 42W 411
302 41T 2
311 41U 3
51 U10 4
311 44V 1 CD 44T 416
65 44U 2
311 43V 3
58 S13 4
000 DN002
203 + M BUS BIT 0.4 DP992-CF4
325 - OP REG BIT 0.3 DP992-DB2
326 + OP REG BIT 0.3 DN004-DB6
348 - OP REG BIT 0.4 DP992-DD2
349 + OP REG BIT 0.4 DN004-DD6
341 - SDR BIT 0.3 DF2
DN003 DP993
342 + MEM STORE BIT 0.3 DS002-DF6
334 - SDR BIT 0.4 DH2
DN003 DP993 DP994
327 + I-O REG ADDR BIT 3 AA002-GB2
411 ALWAYS PLUS GE2
DP993 DP994
416 ALWAYS PLUS GE7
DP993 DP994
311 + SDR CARD BYTE 0 TIE UP DP993-GM4
OP REG AND SDR
BITS 0.0-0.4
E.C. HISTORY
MACH.3705
FRAME 01
IBM CORP.SCD DN002
DATE LAST EC
10-14-80 344270
P.N. 1859628 000





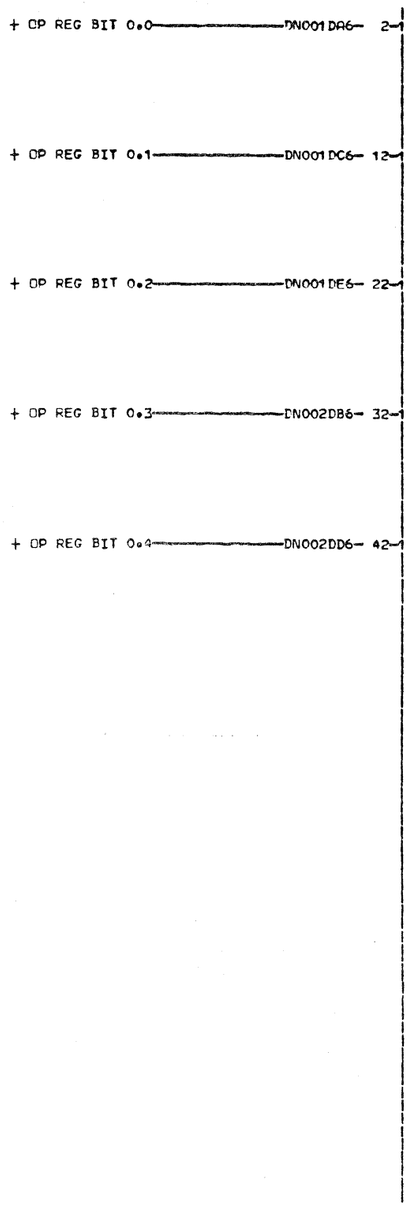


LOC. TYPE
A-B4G2 AB90

DN003
000

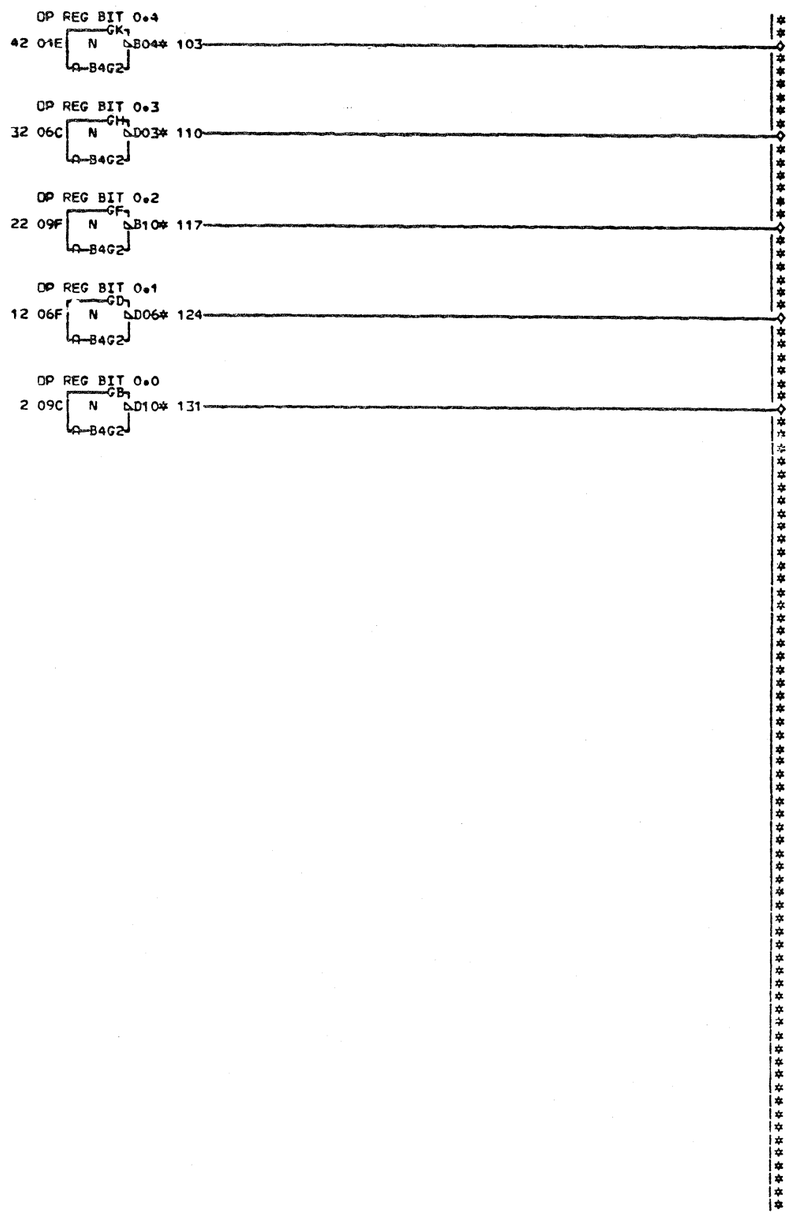
OP REG AND SDR CARD
BITS 0.0-0.4
E.C. HISTORY E. MACH. 3705

	FRAME 01	
	IBM CORP. SCD	DN003
DATE LAST EC 10-14-80 344270	P.N. 1859629	000



NOTE. SEE PAGE DN005
FOR GATE OP REG
TO INDICATOR GATES

DN004
000



EDGE CONN. 01A-B3A6D02

103 A-B4B1B11
01A-B3B6B02
110 A-B4B1A13
01A-B3B6A04
117 A-B4A1E11
01A-B3A6E02
124 A-B4A1D13
01A-B3A6D04
131 A-B4A1D11

LOC. TYPE
A-B4G2 AB90

000 DN004

131 - OP REG BIT 0.0 GB2
LCD001 LCD002 LDN005

124 - OP REG BIT 0.1 GD2
◇CA002 LCD001 LCD002 LCL003
LCZ001 LDN005

117 - OP REG BIT 0.2 GF2
◇CA002 LCA003 LCD001 LCD002
◇CF002 LCL003 LCZ001 LCZ002
LDN005

110 - OP REG BIT 0.3 GH2
◇CA003 LCD001 LCD002 LCF002
◇CL003 LCL004 LCZ001 LCZ002
LDN005

103 - OP REG BIT 0.4 GK2
LCD001 LCD002 LCI003 LDN005

OP REG AND SDR
BITS 0.0-0.4
E.C. HISTORY E. MACH. 3705
FRAME 01
IBM CORP. SCD DN004
DATE LAST EC F.N. 1859630 000
10-14-80 344270

- GATE OP REG TO IND ——— CU001FM6 — 2 — D3
- OP REG BIT 0.0 ——— DN004GB2 — 7
- OP REG BIT 0.1 ——— DN004GD2 — 12
- OP REG BIT 0.2 ——— DN004GF2 — 17
- OP REG BIT 0.3 ——— DN004GH2 — 22
- OP REG BIT 0.4 ——— DN004GK2 — 27
- OP REG BIT 0.5 ——— DP991GB6 — 32
- OP REG BIT 0.6 ——— DP991GE6 — 37
- OP REG BIT 0.7 ——— DP992GA6 — 42
- OP REG BIT 1.0 ——— DQ004GB2 — 47
- OP REG BIT 1.1 ——— DQ004GD2 — 52
- OP REG BIT 1.2 ——— DQ004GF2 — 57
- OP REG BIT 1.3 ——— DQ004GH2 — 62
- OP REG BIT 1.4 ——— DQ004GK2 — 67
- OP REG BIT 1.5 ——— DR991GB6 — 72
- OP REG BIT 1.6 ——— DR991GE6 — 77
- OP REG BIT 1.7 ——— DR992GA6 — 82

OP REG BIT 1.7 TO IND — FK
2 ZP04 A OR | S13 104
82 ZU13 U+
A-B4E2

OP REG BIT 1.6 TO IND — FJ
2 ZP04 A OR | S12 111
77 ZU12 U+
A-B4E2

OP REG BIT 1.5 TO IND — FH
2 ZP04 A OR | S11 118
72 ZU11 U+
A-B4E2

OP REG BIT 1.4 TO IND — FG
2 ZP04 A OR | S10 125
67 ZU10 U+
A-B4E2

OP REG BIT 1.3 TO IND — FF
2 ZP04 A OR | S09 132
62 ZU09 U+
A-B4E2

OP REG BIT 1.2 TO IND — FE
2 ZP04 A OR | S08 139
57 ZU07 U+
A-B4E2

OP REG BIT 1.1 TO IND — FD
2 ZP04 A OR | S07 146
52 ZU06 U+
A-B4E2

OP REG BIT 1.0 TO IND — FC
2 ZP04 A OR | S05 153
47 ZU05 U+
A-B4E2

OP REG BIT 0.7 TO IND — CK
2 ZP04 A OR | S04 160
42 ZU04 U+
A-B4E2

OP REG BIT 0.6 TO IND — CJ
2 ZP04 A OR | M12 167
37 ZU03 U+
A-B4E2

OP REG BIT 0.5 TO IND — CH
2 ZP04 A OR | M11 174
32 ZP13 U+
A-B4E2

OP REG BIT 0.4 TO IND — CG
2 ZP04 A OR | M10 181
27 ZP12 U+
A-B4E2

OP REG BIT 0.3 TO IND — CF
2 ZP04 A OR | M09 188
22 ZP11 U+
A-B4E2

LOC. TYPE
A-B4E2 AB89

OP REG BIT 0.2 TO IND — CE
2 ZP04 A OR | M08 204
17 ZP10 U+
A-B4E2

OP REG BIT 0.1 TO IND — CD
2 ZP04 A OR | M07 211
12 ZP09 U+
A-B4E2

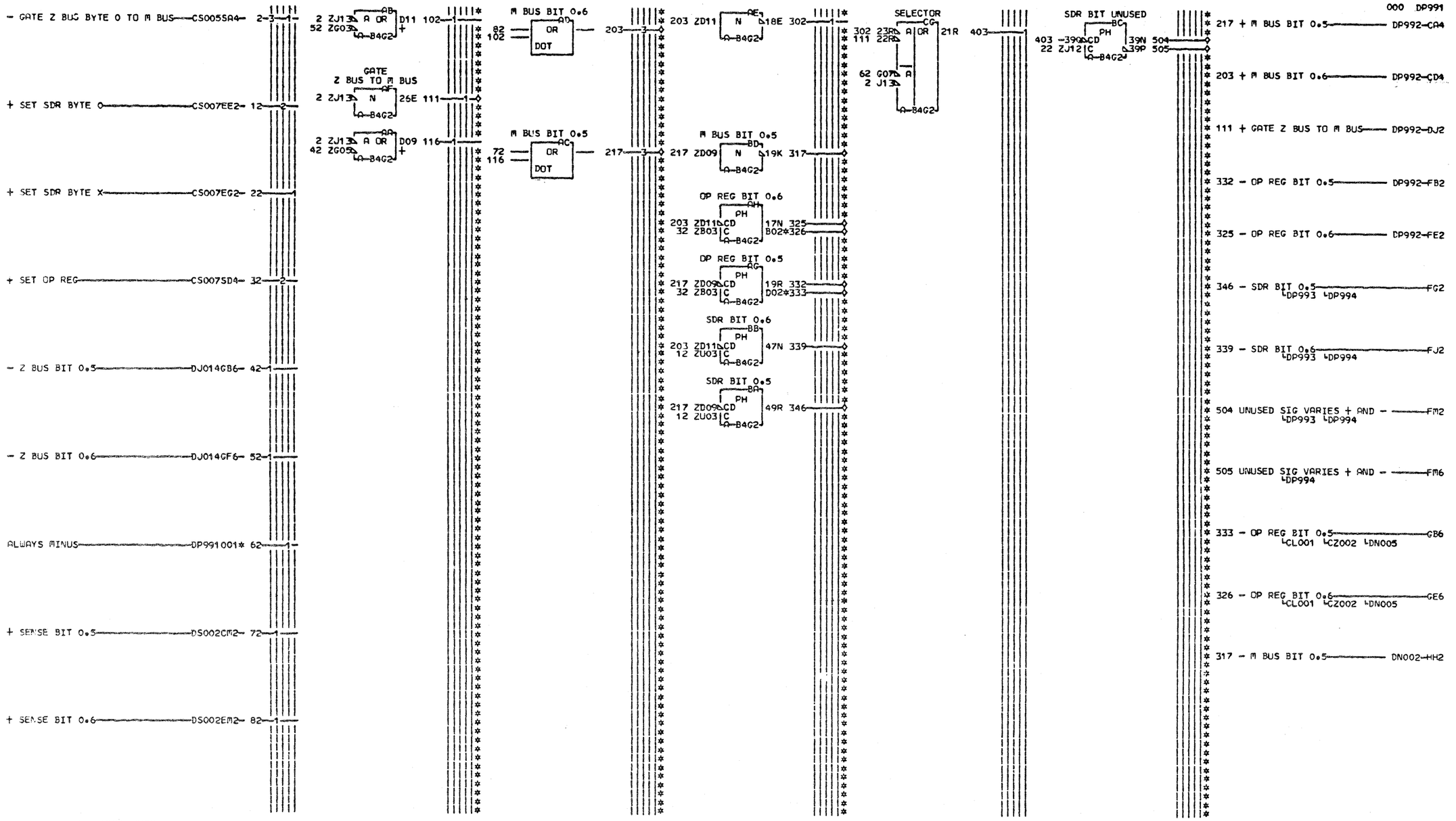
OP REG BIT 0.0 TO IND — CC
2 ZP04 A OR | M03 218
7 ZP07 U+
A-B4E2

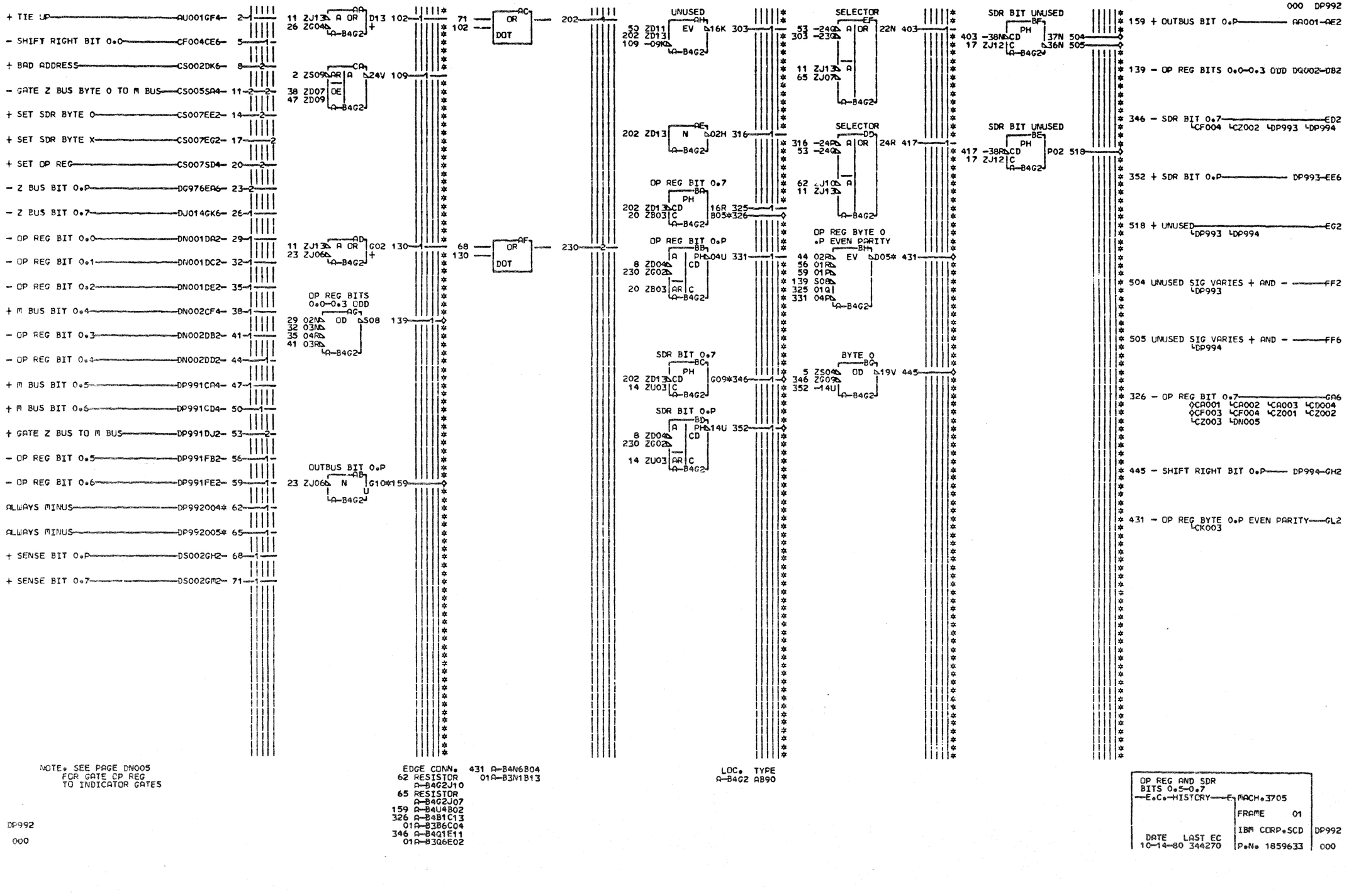
000 DN005

218 + OP REG BIT 0.0 TO IND — AP012-CC2
211 + OP REG BIT 0.1 TO IND — AP012-CD2
204 + OP REG BIT 0.2 TO IND — AP012-CE2
188 + OP REG BIT 0.3 TO IND — AP012-CF2
181 + OP REG BIT 0.4 TO IND — AP013-CG2
174 + OP REG BIT 0.5 TO IND — AP013-CH2
167 + OP REG BIT 0.6 TO IND — AP013-CJ2
160 + OP REG BIT 0.7 TO IND — AP013-CK2
153 + OP REG BIT 1.0 TO IND — AP014-FC2
146 + OP REG BIT 1.1 TO IND — AP014-FD2
139 + OP REG BIT 1.2 TO IND — AP014-FE2
132 + OP REG BIT 1.3 TO IND — AP014-FF2
125 + OP REG BIT 1.4 TO IND — AP015-FG2
118 + OP REG BIT 1.5 TO IND — AP015-FH2
111 + OP REG BIT 1.6 TO IND — AP015-FJ2
104 + OP REG BIT 1.7 TO IND — AP015-FK2

FROM SDR CARDS
GATE OP REG TO INDICATORS
E.C. HISTORY — E, MACH.3705
FRAME 01
IBM CORP.SCD | DN005
DATE LAST EC
10-14-80 344270 | P.N. 1859631 | 000

DN005
000


- GATE Z BUS BYTE 0 TO M BUS CS005SA4- 2-3
+ SET SDR BYTE 0 CS007EE2- 12-2
+ SET SDR BYTE X CS007EG2- 22-1
+ SET OP REG CS007SD4- 32-2
- Z BUS BIT 0.5 DJ014GB6- 42-1
- Z BUS BIT 0.6 DJ014GF6- 52-1
ALWAYS MINUS DP991001* 62-1
+ SENSE BIT 0.5 DS002CM2- 72-1
+ SENSE BIT 0.6 DS002EM2- 82-1
NOTE. SEE PAGE DN005 FOR GATE OP REG TO INDICATOR. GATES
DP991
000
2 ZJ13 A OR D11 102
52 ZG03 B4G2
GATE Z BUS TO M BUS
2 ZJ13 N 25E 111
2 ZJ13 A OR D09 116
42 ZG05 B4G2
M BUS BIT 0.6
82 OR
102 DOT
M BUS BIT 0.5
72 OR
116 DOT
203 ZD11 N 18E 302
217 ZD09 N 19K 317
OP REG BIT 0.6
203 ZD11 CD 17N 325
32 ZB03 C B02*326
OP REG BIT 0.5
217 ZD09 CD 19R 332
32 ZB03 C D02*333
SDR BIT 0.6
203 ZD11 CD 47N 339
12 ZU03 C
SDR BIT 0.5
217 ZD09 CD 49R 346
12 ZU03 C
B4G2
SELECTOR
302 23R A OR 21R
111 22R
62 G07 A
2 J13
403
SDR BIT UNUSED
PH
403 -390 CD 39N 504
22 ZJ12 C 39P 505
000 DP991
217 + M BUS BIT 0.5 DP992-CA4
203 + M BUS BIT 0.6 DP992-CD4
111 + GATE Z BUS TO M BUS DP992-DJ2
332 - OP REG BIT 0.5 DP992-FB2
325 - OP REG BIT 0.6 DP992-FE2
346 - SDR BIT 0.5 DP993 DP994 FG2
339 - SDR BIT 0.6 DP993 DP994 FJ2
504 UNUSED SIG VARIES + AND - DP993 DP994 FM2
505 UNUSED SIG VARIES + AND - DP994 FM6
333 - OP REG BIT 0.5 CL001 CZ002 DN005 GB6
326 - OP REG BIT 0.6 CL001 CZ002 DN005 GE6
317 - M BUS BIT 0.5 DN002-HH2
EDGE CONN.
62 RESISTOR
A-B4G2C07
326 A-B4B1C11
01A-B3B6C02
333 A-B4B1B13
01A-B3B6B04
LOC. TYPE
A-B4G2 AB90
OP REG AND SDR BITS 0.5-0.7
E.C.-HISTORY
MACH.3705
FRAME 01
IBM CORP.SCD
DP991
DATE LAST EC
10-14-80 344270
P.N. 1859632
000



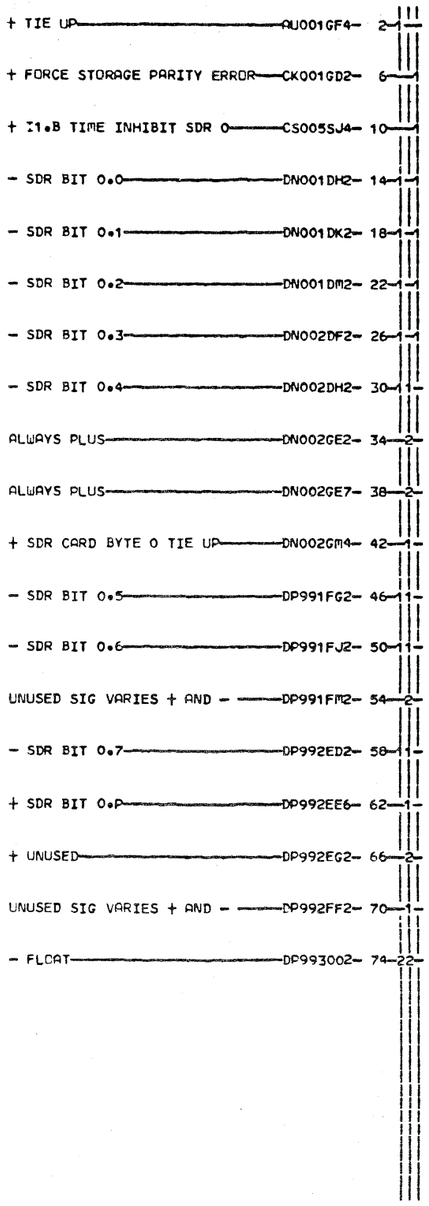
NOTE. SEE PAGE DN005 FOR GATE OP REG TO INDICATOR GATES

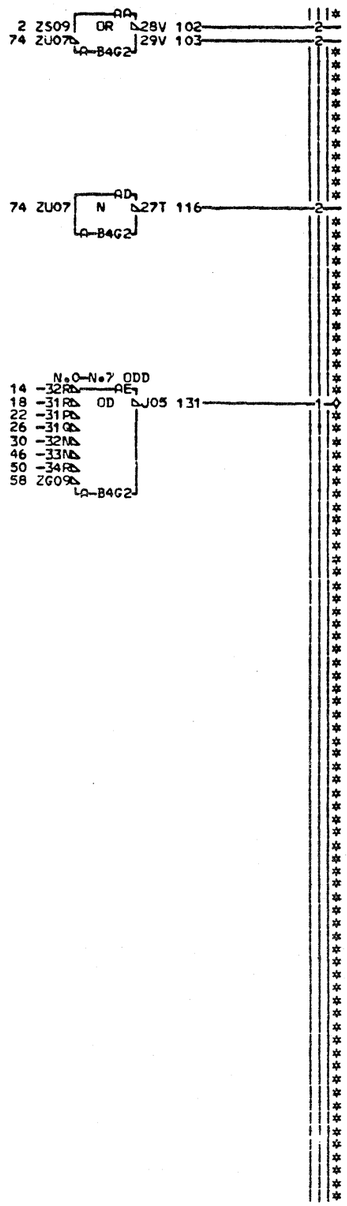
EDGE CONN. 431 A-B4N6B04
62 RESISTOR 01A-B3N1B13
A-B4G2J10
65 RESISTOR
A-B4G2J07
159 A-B4U4B02
326 A-B4B1C13
01A-B3B6C04
346 A-B4Q1E11
01A-B3Q6E02

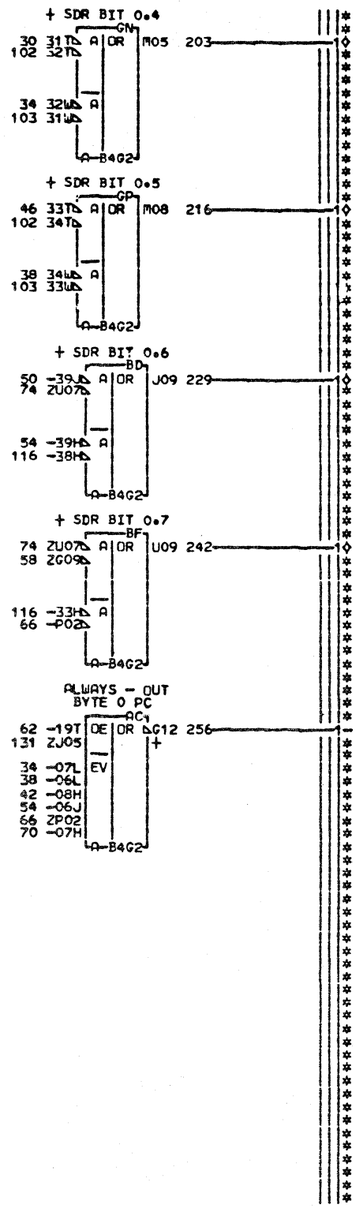
LOC. TYPE
A-B4G2 AB90

OP REG AND SDR BITS 0.5-0.7
E.C. HISTORY — E. MACH. 3705
FRAME 01
IBM CORP. SCD
P.N. 1859633
DATE LAST EC
10-14-80 344270

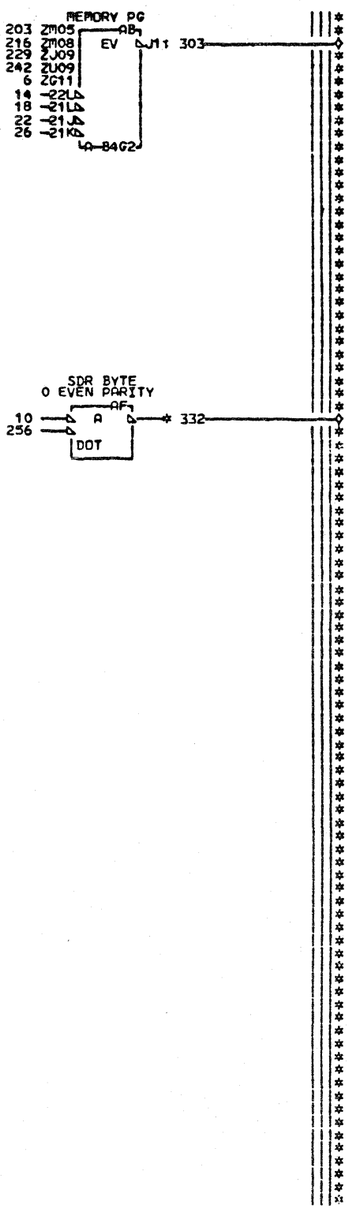
DP992 000

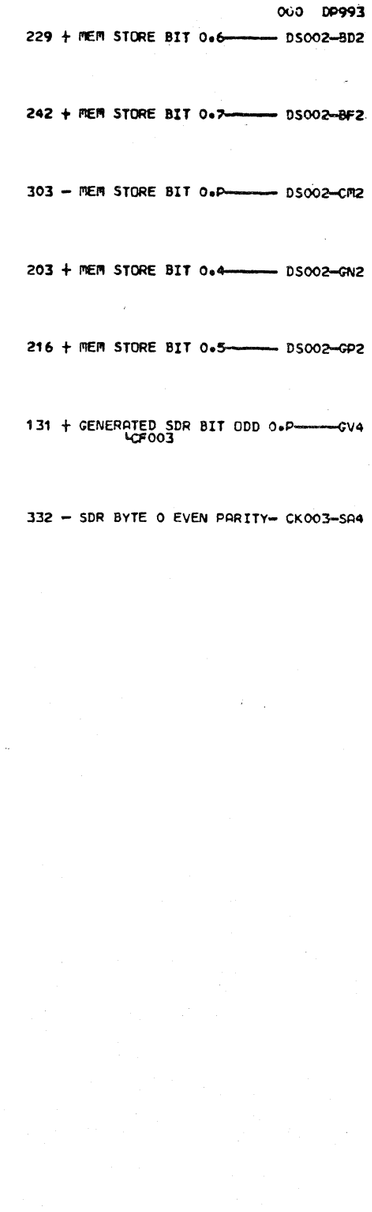






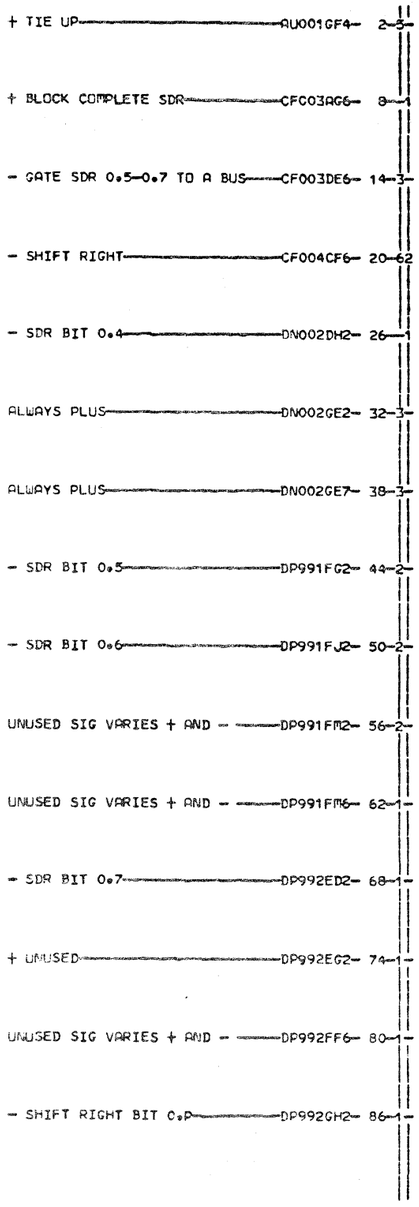
LOC. TYPE
A-B4G2 AB90

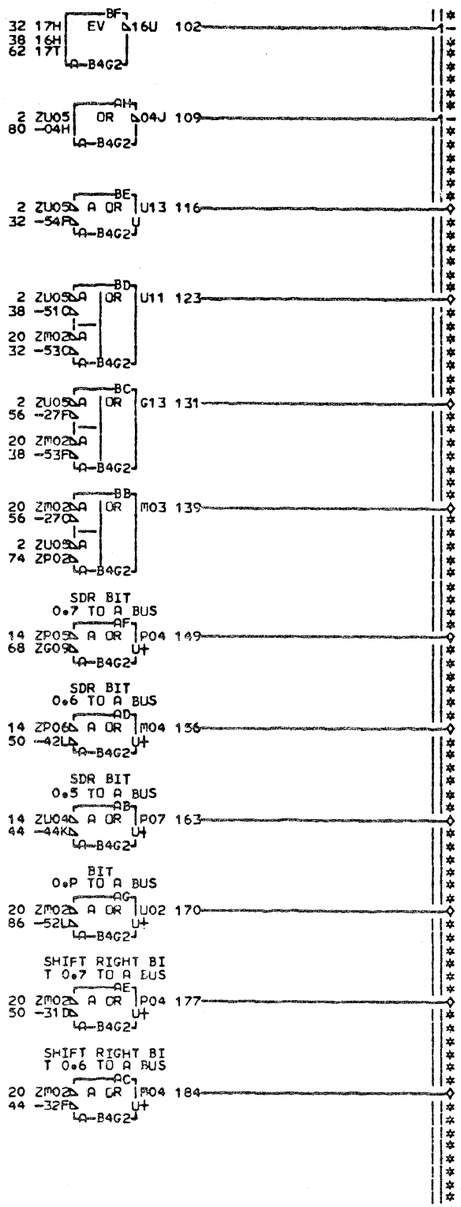


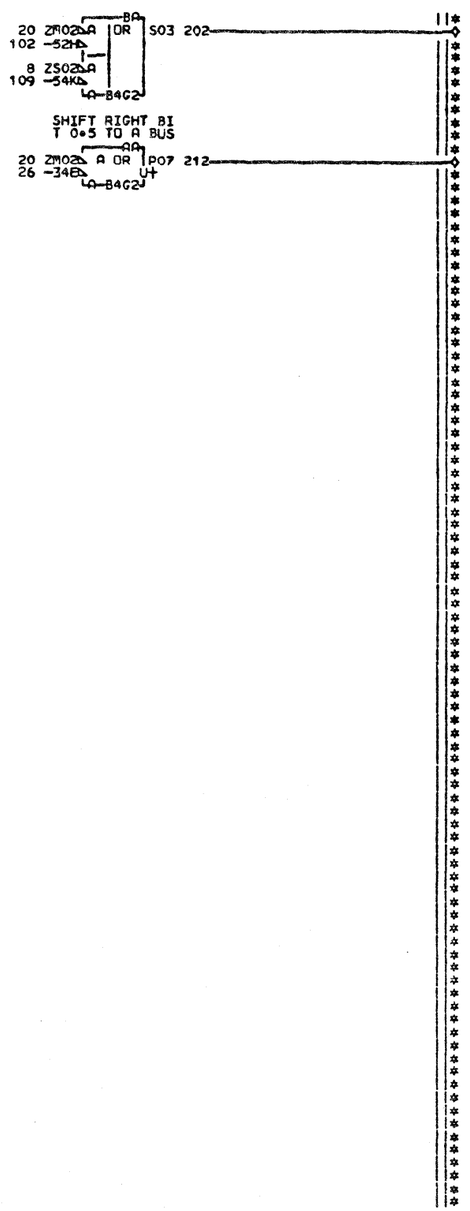


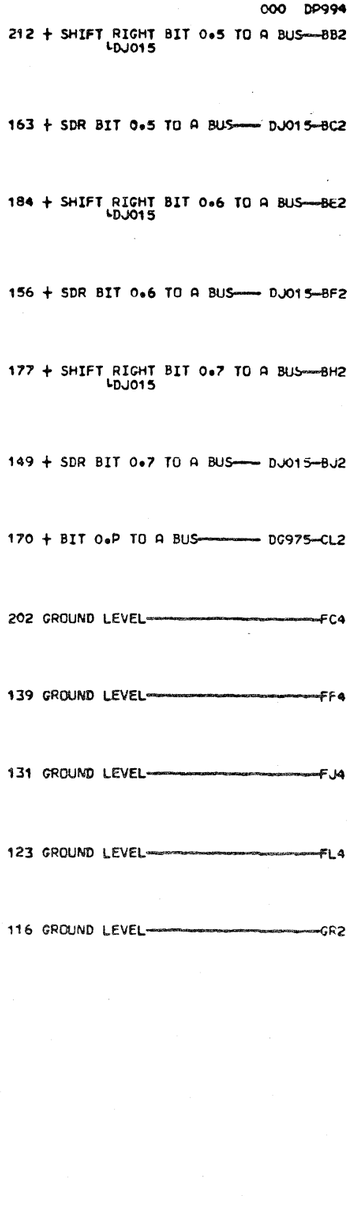
DP993
000

CCU DATA FLOW
SDR CP REG CARD
E.C. HISTORY
MACH.3705
FRAME 01
IBM CORP.SCD DP993
DATE LAST EC
10-14-80 344270
P.N. 1859634 000



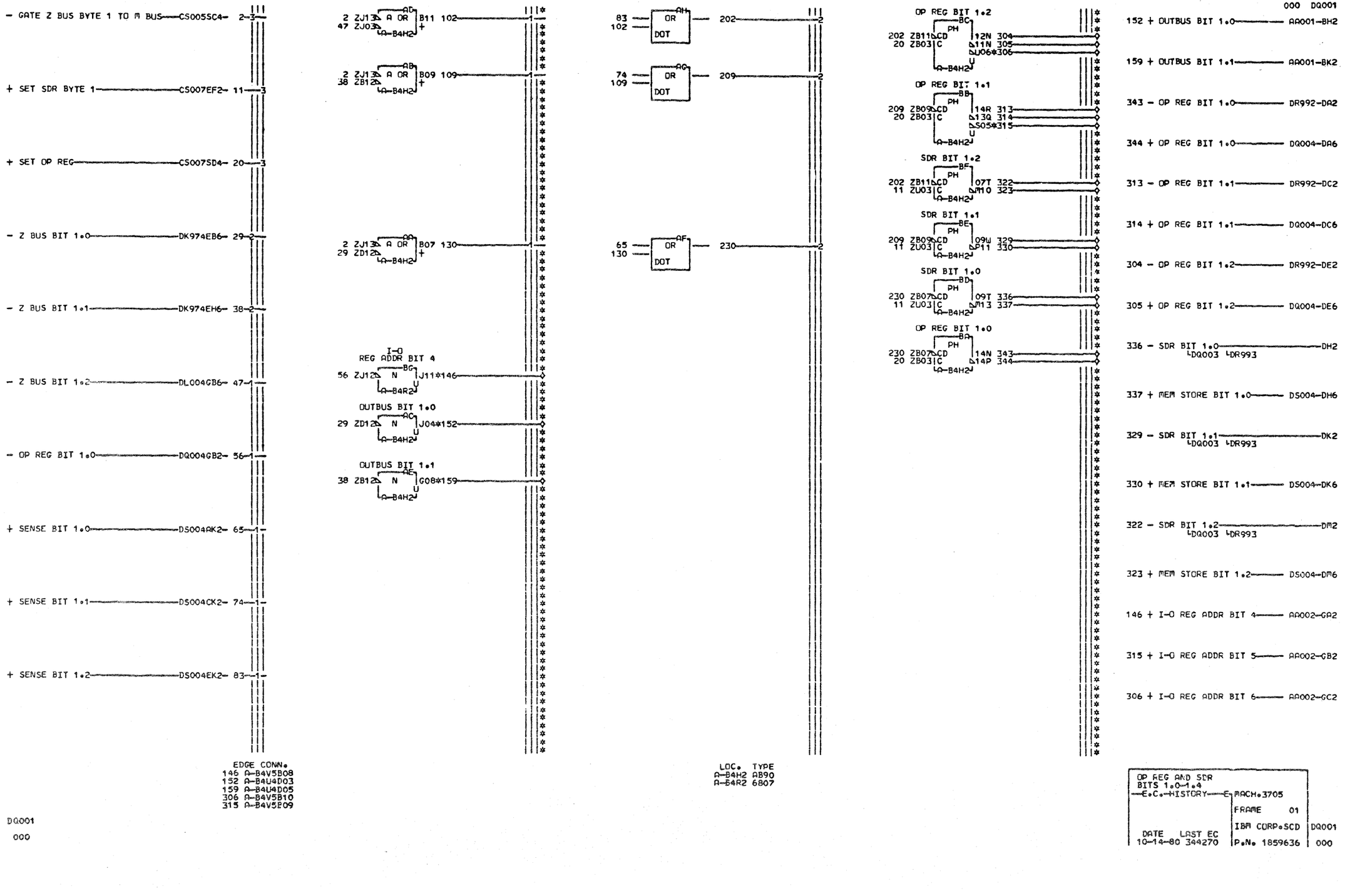


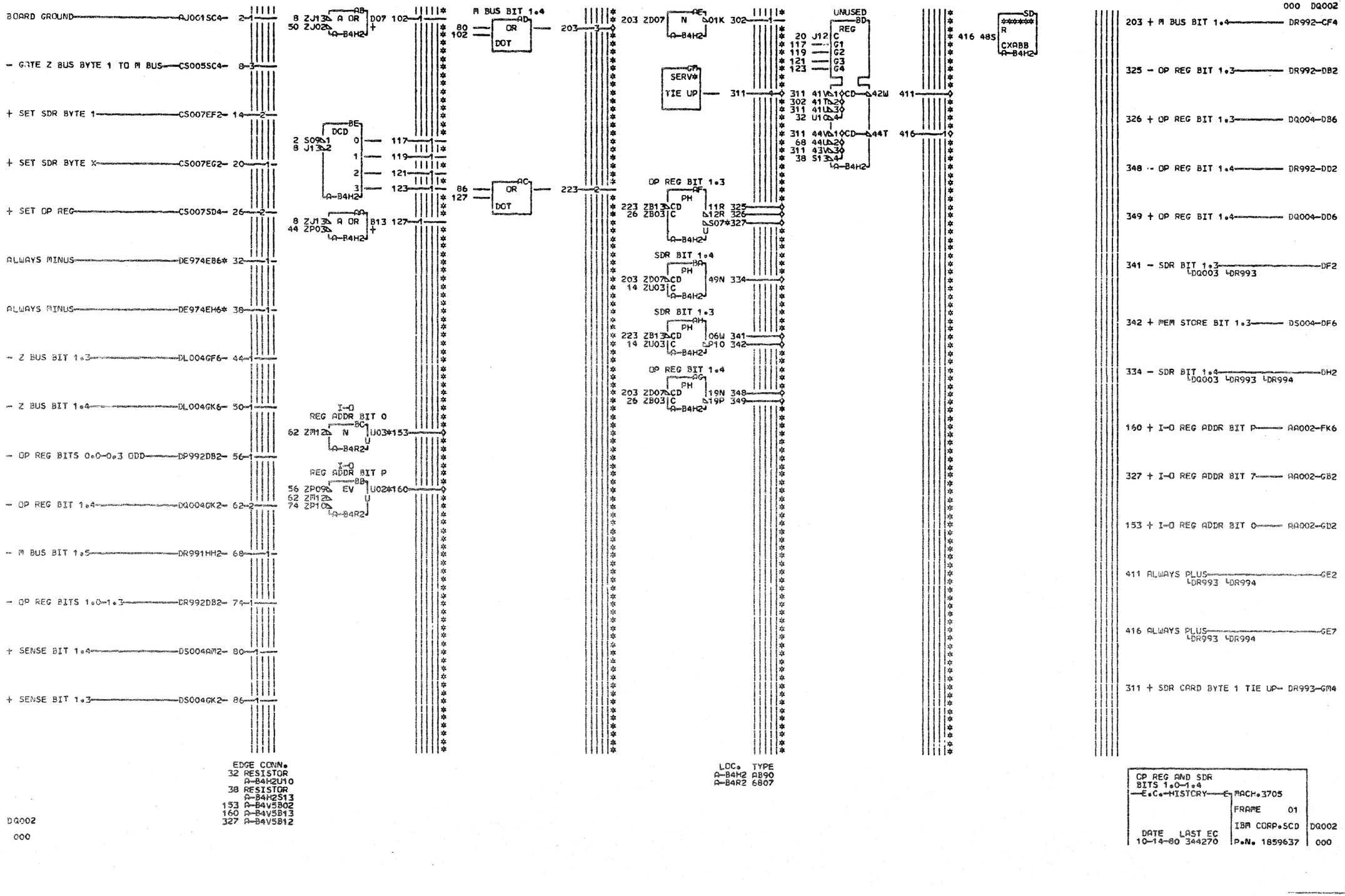


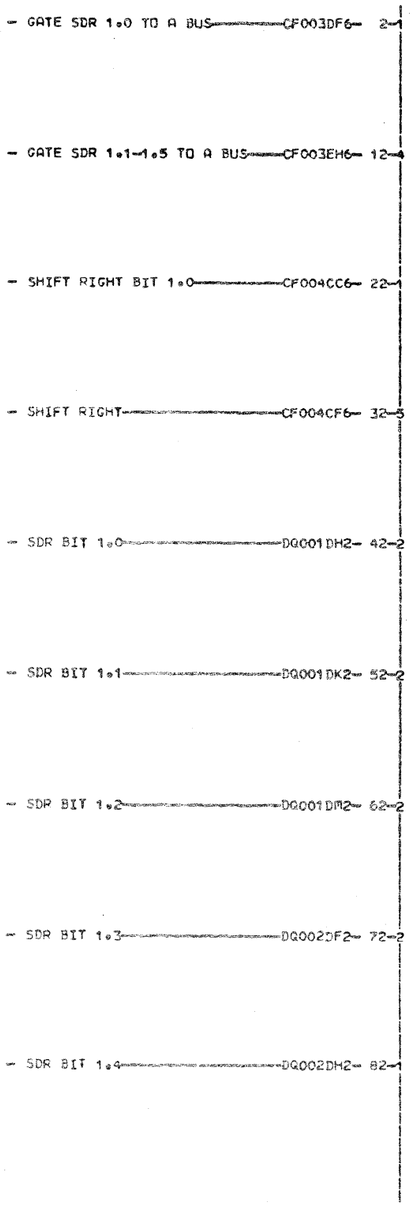


DP994
000

DP REG AND SDR BITS C.5-0.7
E.C.-HISTORY- E. MACH.3705
FRAME 01
IBM CORP.SCD DP994
DATE LAST EC
10-14-80 344270
P.N. 1859635 000


- GATE Z BUS BYTE 1 TO M BUS — CS005SC4 — 2-3
+ SET SDR BYTE 1 — CS007EF2 — 11-3
+ SET OP REG — CS007SD4 — 20-3
- Z BUS BIT 1.0 — DK974EB6 — 29-2
- Z BUS BIT 1.1 — DK974EH6 — 38-2
- Z BUS BIT 1.2 — DL004GB6 — 47-1
- OP REG BIT 1.0 — DQ004GB2 — 56-1
+ SENSE BIT 1.0 — DS004AK2 — 65-1
+ SENSE BIT 1.1 — DS004CK2 — 74-1
+ SENSE BIT 1.2 — DS004EK2 — 83-1
EDGE CONN.
146 A-B4V5B08
152 A-B4U4D03
159 A-B4U4D05
306 A-B4V5B10
315 A-B4V5B09
DQ001
000
2 ZJ13 A OR B11 102 + 47 ZJ03 A-B4H2
2 ZJ13 A OR B09 109 + 38 ZB12 A-B4H2
2 ZJ13 A OR B07 130 + 29 ZD12 A-B4H2
I-O REG ADDR BIT 4
56 ZJ12 N J11*146 A-B4R2
OUTBUS BIT 1.0
29 ZD12 N J04*152 A-B4H2
OUTBUS BIT 1.1
38 ZB12 N G08*159 A-B4H2
83 102 OR DOT 202
74 109 OR DOT 209
65 130 OR DOT 230
LOC. TYPE
A-B4H2 AB90
A-B4R2 6807
OP REG BIT 1.2
202 ZB11 CD 20 ZB03 C A-B4H2 12N 304 11N 305 U06*306
OP REG BIT 1.1
209 ZB09 CD 20 ZB03 C A-B4H2 14R 313 13Q 314 S05*315
SDR BIT 1.2
202 ZB11 CD 11 ZU03 C A-B4H2 07T 322 M10 323
SDR BIT 1.1
209 ZB09 CD 11 ZU03 C A-B4H2 09W 329 P11 330
SDR BIT 1.0
230 ZB07 CD 11 ZU03 C A-B4H2 09T 336 M13 337
OP REG BIT 1.0
230 ZB07 CD 20 ZB03 C A-B4H2 14N 343 14P 344
000 DQ001
152 + OUTBUS BIT 1.0 — AA001-BH2
159 + OUTBUS BIT 1.1 — AA001-BK2
343 - OP REG BIT 1.0 — DR992-DA2
344 + OP REG BIT 1.0 — DQ004-DA6
313 - OP REG BIT 1.1 — DR992-DC2
314 + OP REG BIT 1.1 — DQ004-DC6
304 - OP REG BIT 1.2 — DR992-DE2
305 + OP REG BIT 1.2 — DQ004-DE6
336 - SDR BIT 1.0 — DH2 (DQ003 DR993)
337 + MEM STORE BIT 1.0 — DS004-DH6
329 - SDR BIT 1.1 — DK2 (DQ003 DR993)
330 + MEM STORE BIT 1.1 — DS004-DK6
322 - SDR BIT 1.2 — DM2 (DQ003 DR993)
323 + MEM STORE BIT 1.2 — DS004-DM6
146 + I-O REG ADDR BIT 4 — AA002-GA2
315 + I-O REG ADDR BIT 5 — AA002-GB2
306 + I-O REG ADDR BIT 6 — AA002-GC2
OP REG AND SDR BITS 1.0-1.4
E.C. HISTORY
DATE LAST EC
10-14-80 344270
MACH.3705
FRAME 01
IBM CORP.SCD
P.N. 1859636
DQ001
000


BOARD GROUND AJ0C1SC4- 2
- GATE Z BUS BYTE 1 TO M BUS CS005SC4- 8
+ SET SDR BYTE 1 CS007EF2- 14
+ SET SDR BYTE X CS007EG2- 20
+ SET OP REG CS007SD4- 26
ALWAYS MINUS DE974EB6* 32
ALWAYS MINUS DE974EH6* 38
- Z BUS BIT 1.3 DL004GF6- 44
- Z BUS BIT 1.4 DL004GK6- 50
- OP REG BITS 0.0-0.3 ODD DP992DB2- 56
- OP REG BIT 1.4 DQ004GK2- 62
- M BUS BIT 1.5 DR991HH2- 68
- OP REG BITS 1.0-1.3 DR992DB2- 74
+ SENSE BIT 1.4 DS004AM2- 80
+ SENSE BIT 1.3 DS004GK2- 86
EDGE CONN.
32 RESISTOR A-B4H2U10
38 RESISTOR A-B4H2S13
153 A-B4V5B02
160 A-B4V5B13
327 A-B4V5B12
DQ002 000
M BUS BIT 1.4
OR DOT
OP REG BIT 1.3
SDR BIT 1.4
SDR BIT 1.3
OP REG BIT 1.4
I-O REG ADDR BIT 0
I-O REG ADDR BIT P
SERV* TIE UP
UNUSED
REG
CXABB
LOC. TYPE
A-B4H2 AB90
A-B4R2 6807
000 DQ002
203 + M BUS BIT 1.4 DR992-CF4
325 - OP REG BIT 1.3 DR992-DB2
326 + OP REG BIT 1.3 DQ004-DB6
348 - OP REG BIT 1.4 DR992-DD2
349 + OP REG BIT 1.4 DQ004-DD6
341 - SDR BIT 1.3 DF2
342 + MEM STORE BIT 1.3 DS004-DF6
334 - SDR BIT 1.4 DH2
160 + I-O REG ADDR BIT P AA002-FK6
327 + I-O REG ADDR BIT 7 AA002-GB2
153 + I-O REG ADDR BIT 0 AA002-GD2
411 ALWAYS PLUS GE2
416 ALWAYS PLUS GE7
311 + SDR CARD BYTE 1 TIE UP DR993-GM4
OP REG AND SDR BITS 1.0-1.4
E.C.-HISTORY
MACH.3705
FRAME 01
IBM CORP.SCD
DATE LAST EC 10-14-80 344270
P.N. 1859637
DQ002 000



DQ003
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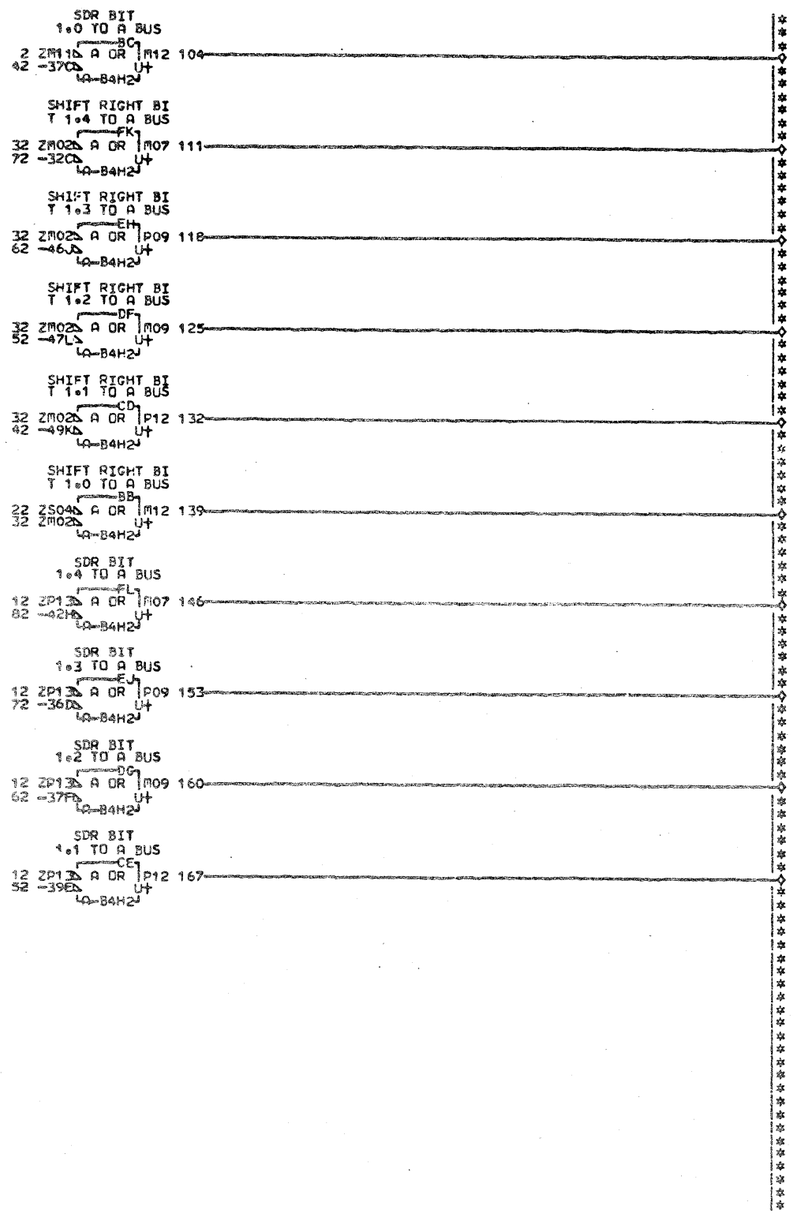


LOC. TYPE
A-B4H2 AS90

000 DQ003

139 + SHIFT RIGHT BIT 1.0 TO A BUS—BB2
LDK975

104 + SDR BIT 1.0 TO A BUS— DK975—BC2

132 + SHIFT RIGHT BIT 1.1 TO A BUS—CD2
LDK975

167 + SDR BIT 1.1 TO A BUS— DK975—CE2

125 + SHIFT RIGHT BIT 1.2 TO A BUS—DF2
LDL005

160 + SDR BIT 1.2 TO A BUS— DL005—DG2

118 + SHIFT RIGHT BIT 1.3 TO A BUS—EH2
LDL005

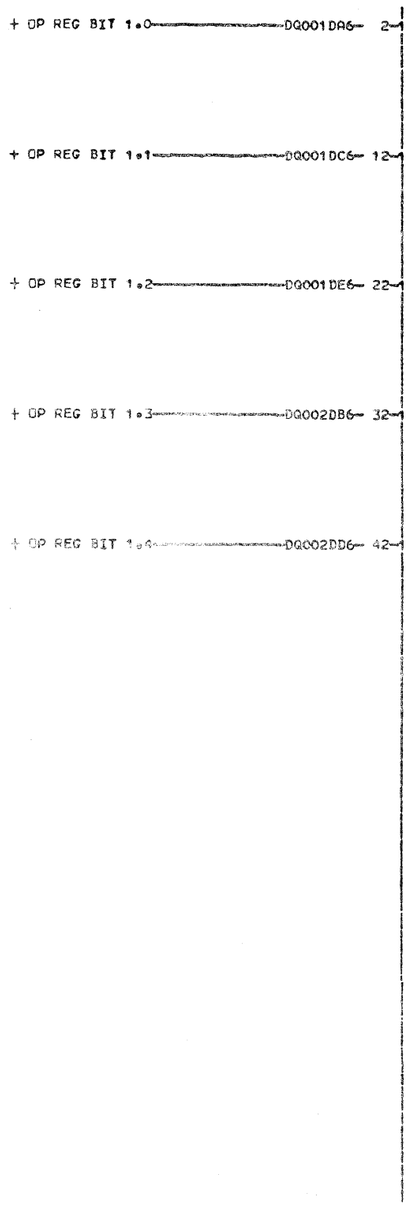
153 + SDR BIT 1.3 TO A BUS— DL005—EJ2

111 + SHIFT RIGHT BIT 1.4 TO A BUS—FK2
LDL005

146 + SDR BIT 1.4 TO A BUS— DL005—FL2

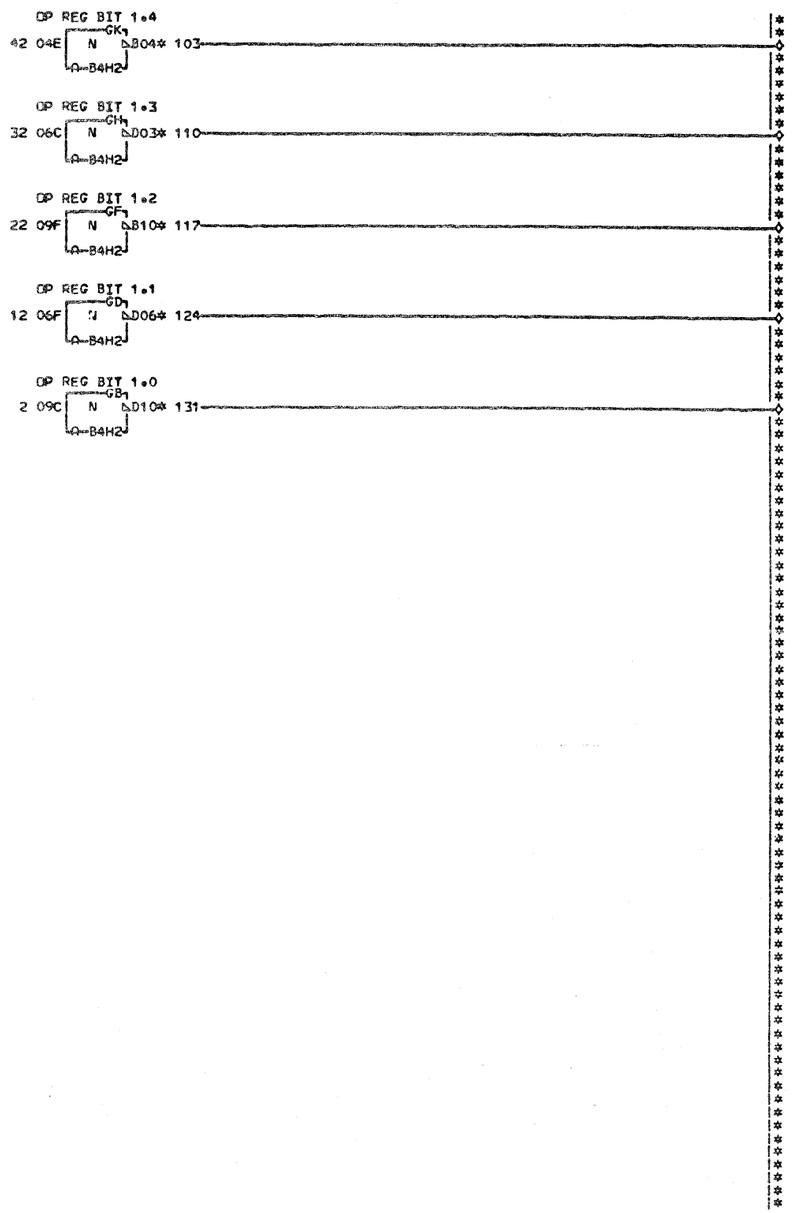
CCU DATA FLOW
SDR DP REG CARD
E.C. HISTORY E MACH.3705

	FRAME 01	
DATE LAST EC	IBM CORP.SCD	DQ003
10-14-80 344270	P.N. 1859638	000



NOTE. SEE PAGE DN005
FOR GATE OP REG
TO INDICATOR GATES

DQ004
000



EDGE CONN. 01A-B3B6D02

103 A-B4C1B11
01A-B3C6B02
110 A-B4C1A13
01A-B3C6A04
117 A-B4C1A11
01A-B3C6A02
124 A-B4B1E13
01A-B3B6E04
131 A-B4B1D11

LOC. TYPE
A-B4H2 AB90

000 DQ004

131 - OP REG BIT 1.0 GB2
CD001 CF002 CF003 CL004
CQ005 CX001 DN005 DQ001

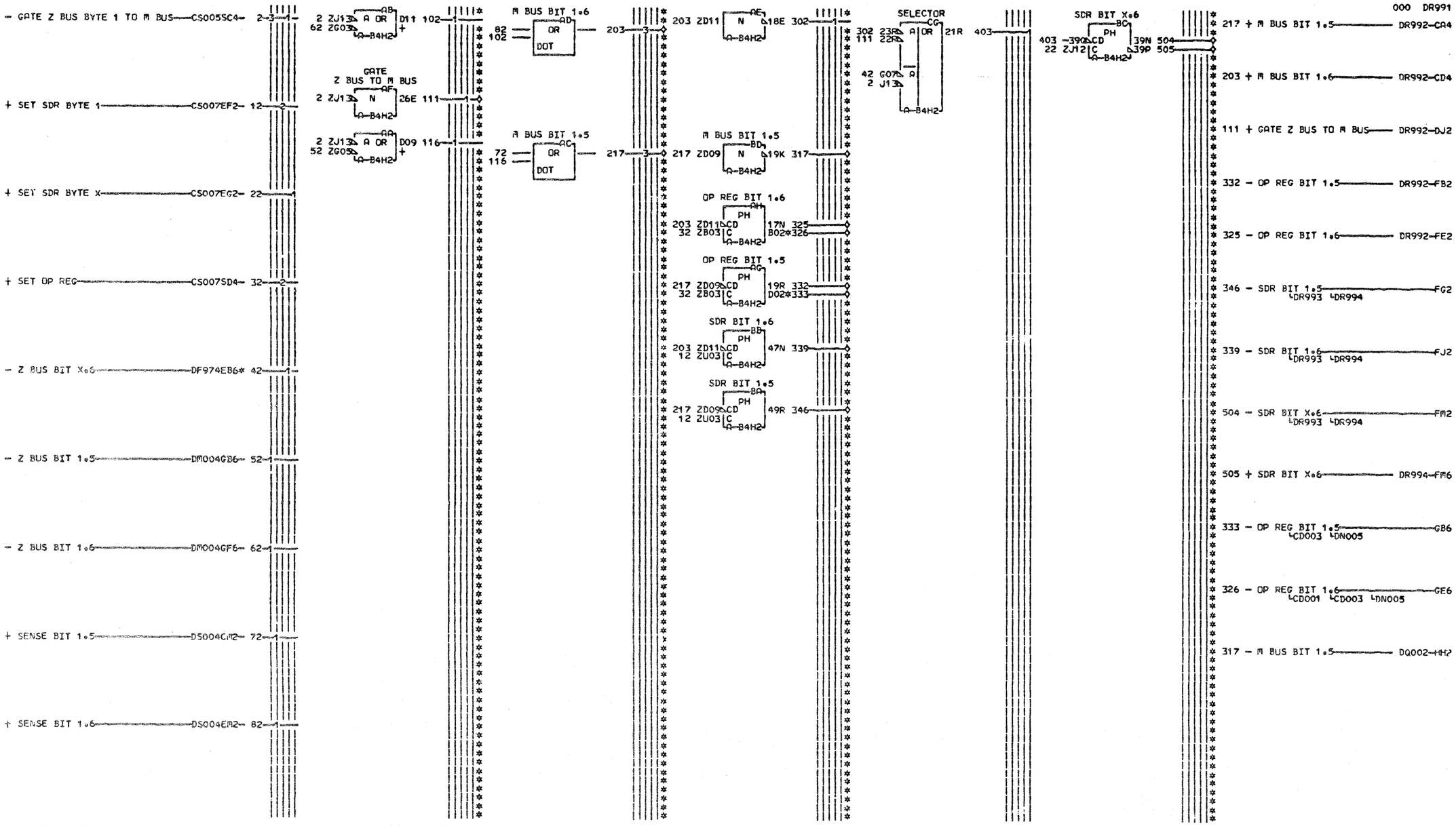
124 - OP REG BIT 1.1 GD2
CA003 CD001 CD003 CL004
CZ001 CZ003 DN005

117 - OP REG BIT 1.2 GF2
CA003 CD001 CD003 CL004
CZ003 DN005

110 - OP REG BIT 1.3 GH2
CA003 CD001 CD003 CL004
CZ003 DN005

103 - OP REG BIT 1.4 GK2
CD002 CD003 DN005 DQ002

CCU DATA FLOW
SDR OP REG CARD
E.C. HISTORY E. MACH. 3705
FRAME 01
IBM CORP. SCD DQ004
DATE LAST EC P.N. 1859639 000
10-14-80 344270



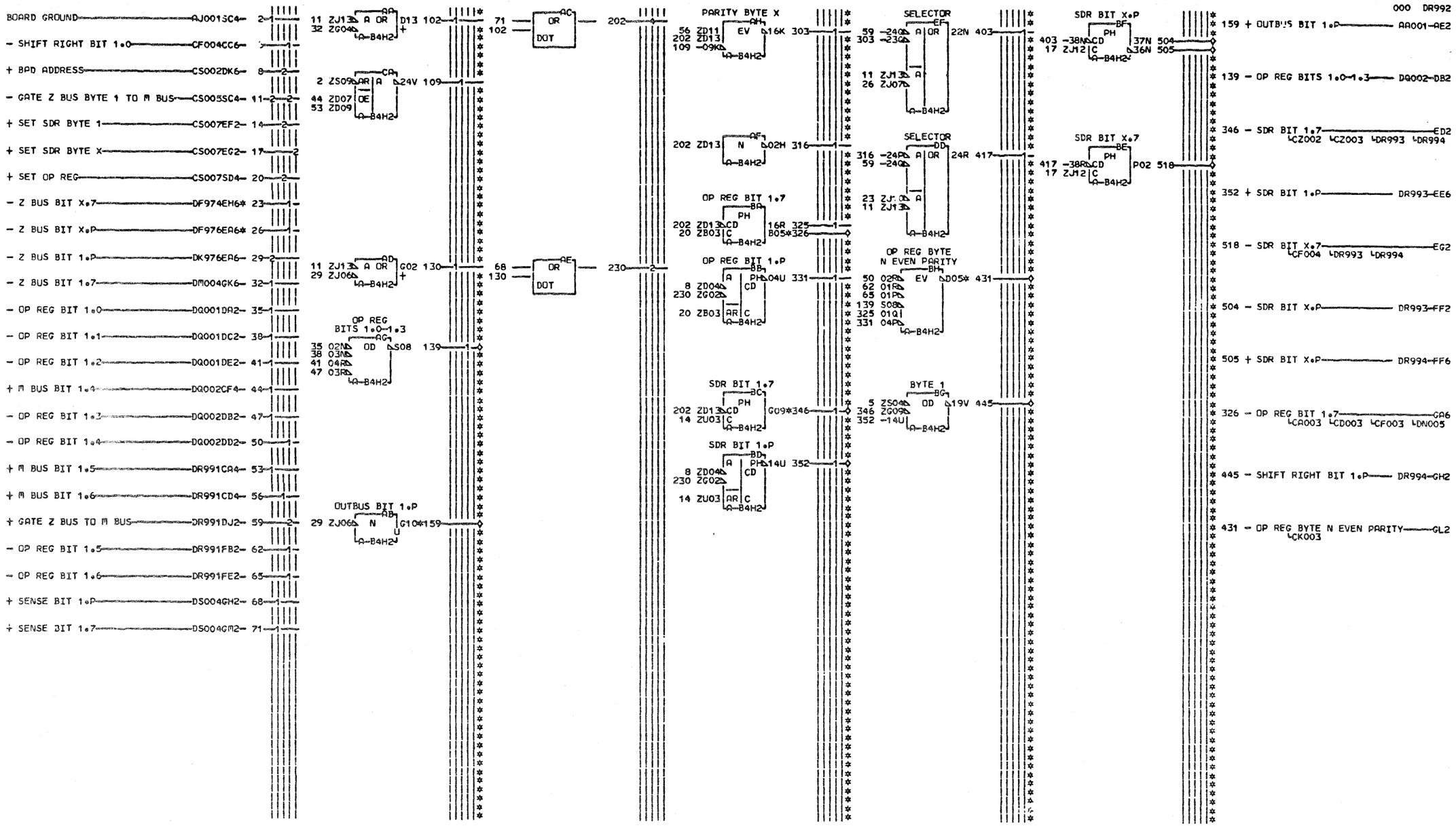
NOTE. SEE PAGE DN005 FOR GATE OP REG TO INDICATOR GATES

EDGE CONN.
42 RESISTOR A-B4H2G07
326 A-B4C1C11
01A-B3C6C02
333 A-B4C1B13
01A-B3C6B04

LOC. TYPE
A-B4H2 AB90

CCU DATA FLOW
SDR OP REG CARD
E.C. HISTORY — MACH.3705

DATE	LAST EC		
10-14-80	344270	FRAME 01	
		IBM CORP.SCD	DR991
		P.N. 1859640	000



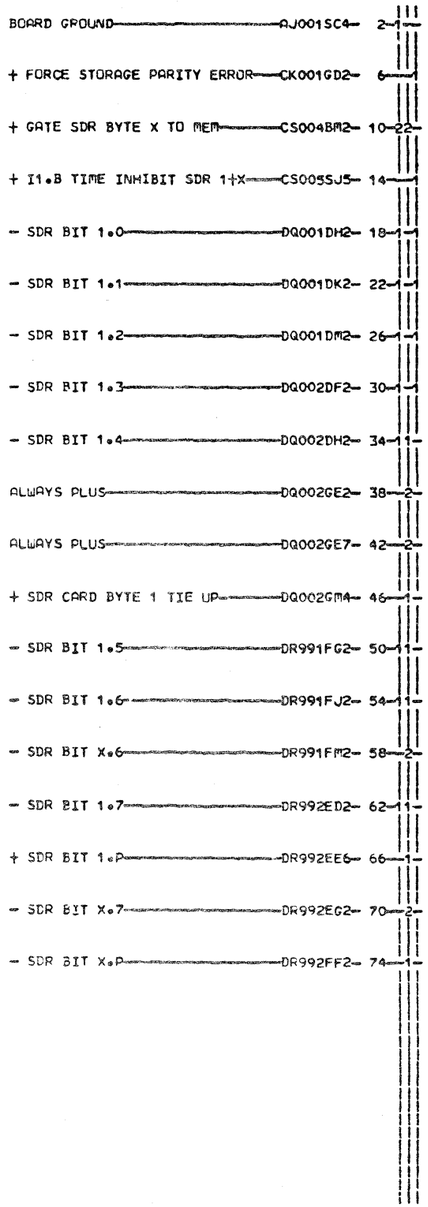
NOTE. SEE PAGE DN005
FOR GATE OP REG
TO INDICATOR GATES

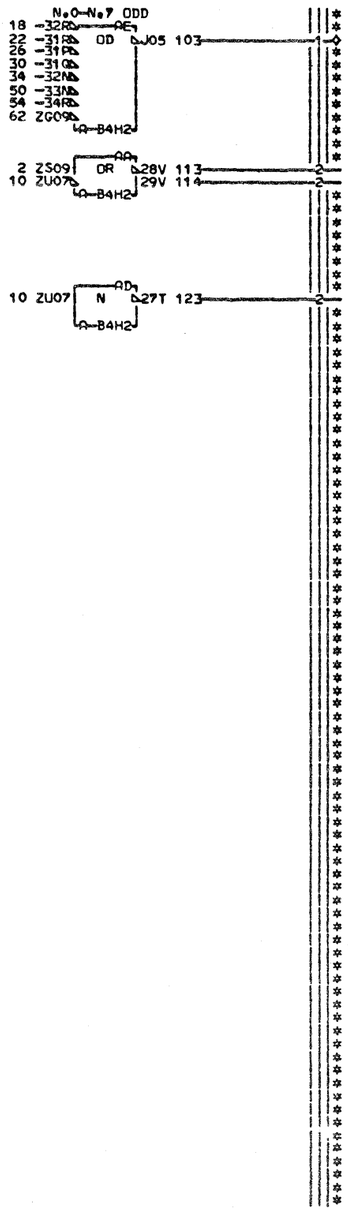
DR992
000

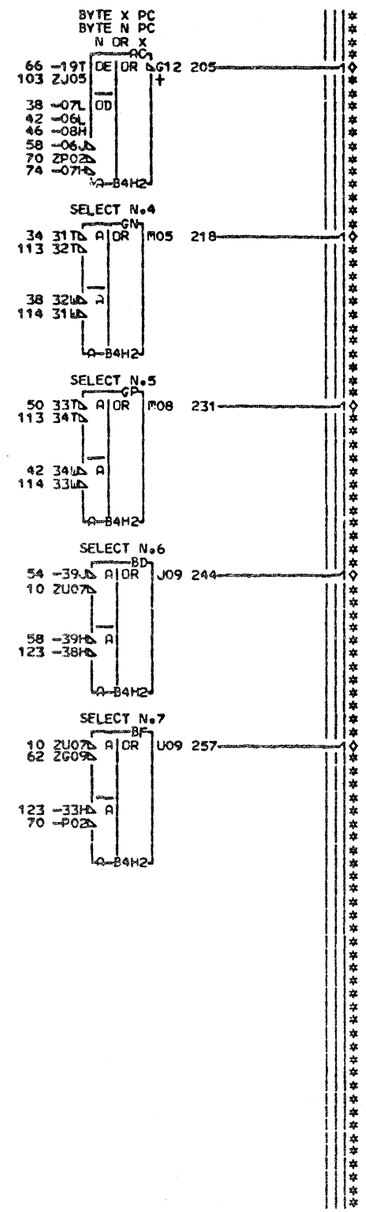
EDGE CONN. 431 A-B4N6C02
23 RESISTOR 01A-B3N1C11
A-B4H2J10
26 RESISTOR
A-B4H2J07
159 A-B4U4D02
326 A-B4C1D13
01A-B3C6D04
346 A-B4N6E02
01A-B3N1E11

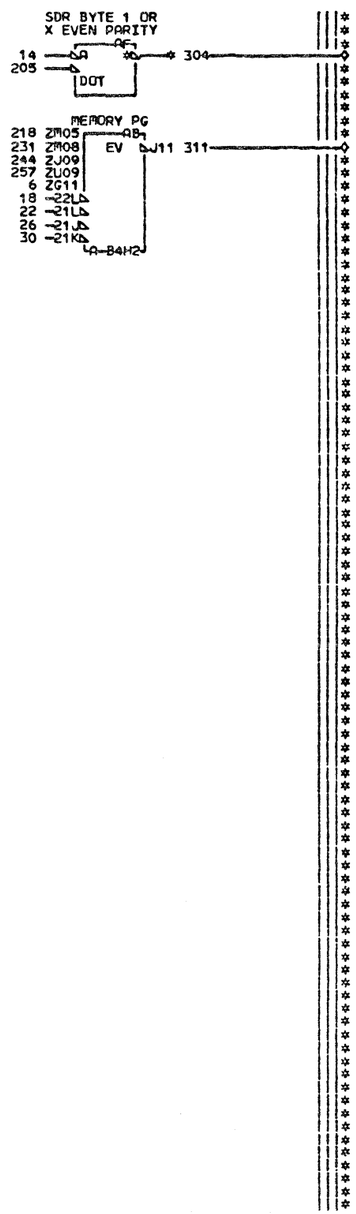
LCC. TYPE
A-B4H2 AB90

CCU DATA FLOW
SDR OP REG CARD
E.C. HISTORY MACH.3705
FRAME 01
IBM CORP.SCD DR992
DATE LAST EC P.N. 1859641 000
10-14-80 344270









000 DR993

244 + MEM STORE BIT 1.6 — DS004-BD2

257 + MEM STORE BIT 1.7 — DS004-BF2

311 - MEM STORE BIT 1.P — DS004-CM2

205 - SDR BYTE 1 OR X EVEN PARITY — FD2

218 + MEM STORE BIT 1.4 — DS004-GN2

231 + MEM STORE BIT 1.5 — DS004-GP2

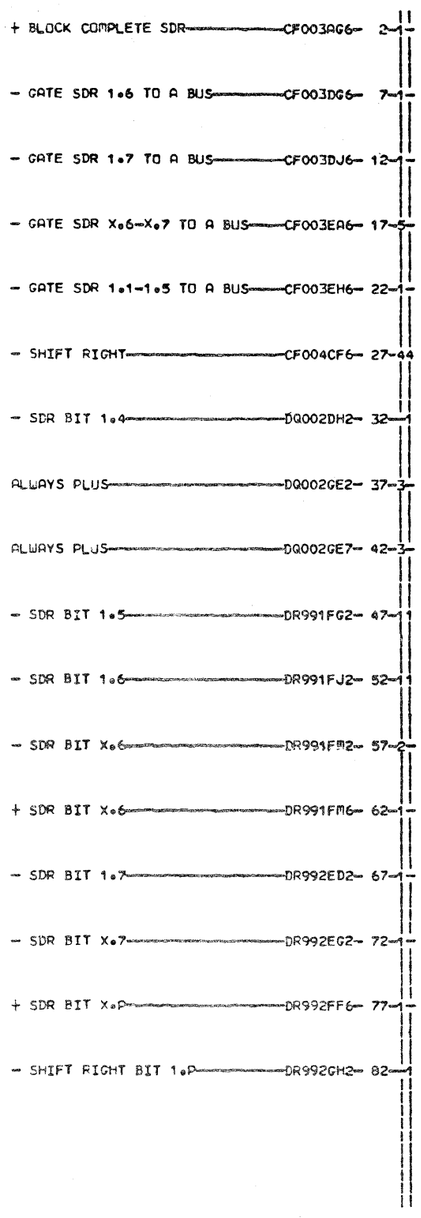
103 + GENERATED SDR BIT ODD 1.P — GV4
CF003

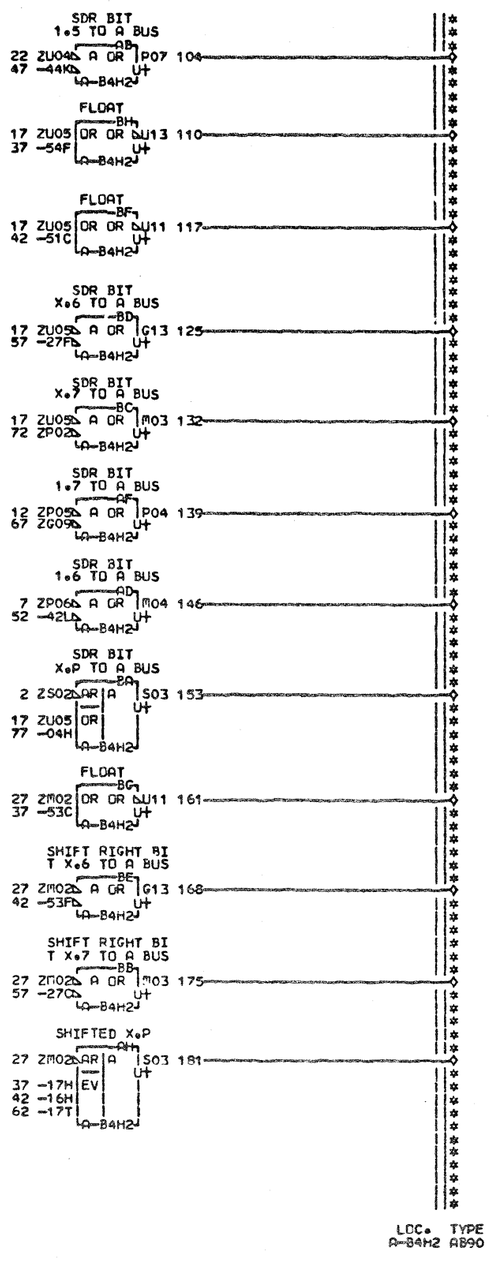
304 - SDR BYTE 1 OR X EVEN PARITY — SA4
CK003

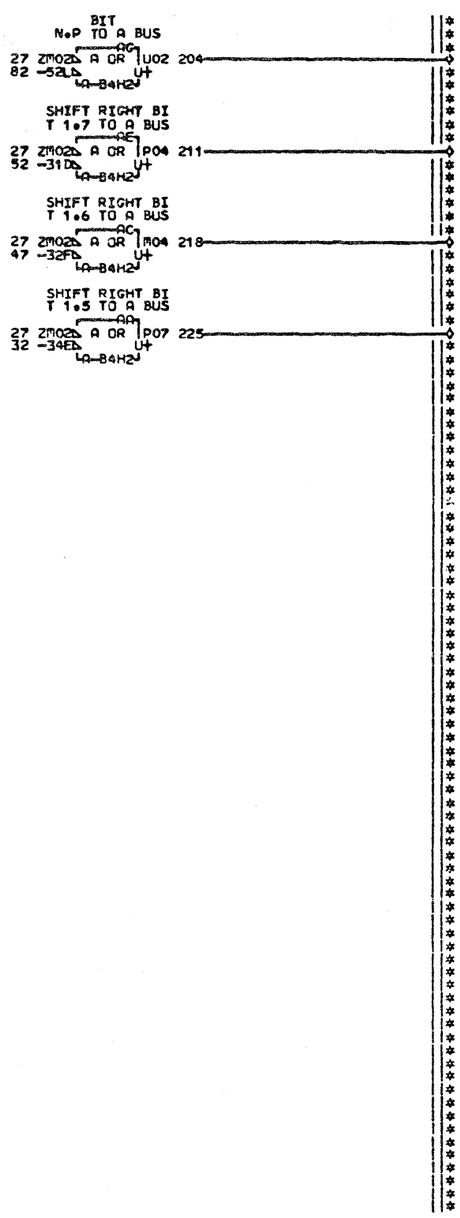
LOC. TYPE
A-B4H2 AB90

DR993
000

CCU DATA FLOW
SDR OP REG CARD
E.C. HISTORY — E.C. MACH.3705
FRAME 01
IBM CORP.SCD DR993
DATE LAST EC
10-14-80 344270 P.N. 1986952 000







000 DR994

225 + SHIFT RIGHT BIT 1.5 TO A BUS—BB2
└DM005

104 + SDR BIT 1.5 TO A BUS— DM005—BC2

218 + SHIFT RIGHT BIT 1.6 TO A BUS—BE2
└DM005

146 + SDR BIT 1.6 TO A BUS— DM005—BF2

211 + SHIFT RIGHT BIT 1.7 TO A BUS—BH2
└DM005

139 + SDR BIT 1.7 TO A BUS— DM005—BJ2

204 + BIT N.P TO A BUS— DK975—CL2

181 + SHIFT RIGHT BIT X.P TO A BUS—EC2
└DF975

153 + SDR BIT X.P TO A BUS— DF975—ED2

175 + SHIFT RIGHT BIT X.7 TO A BUS—EF2
└DF975

132 + SDR BIT X.7 TO A BUS— DF975—EG2

125 + SDR BIT X.6 TO A BUS— DF975—EK2

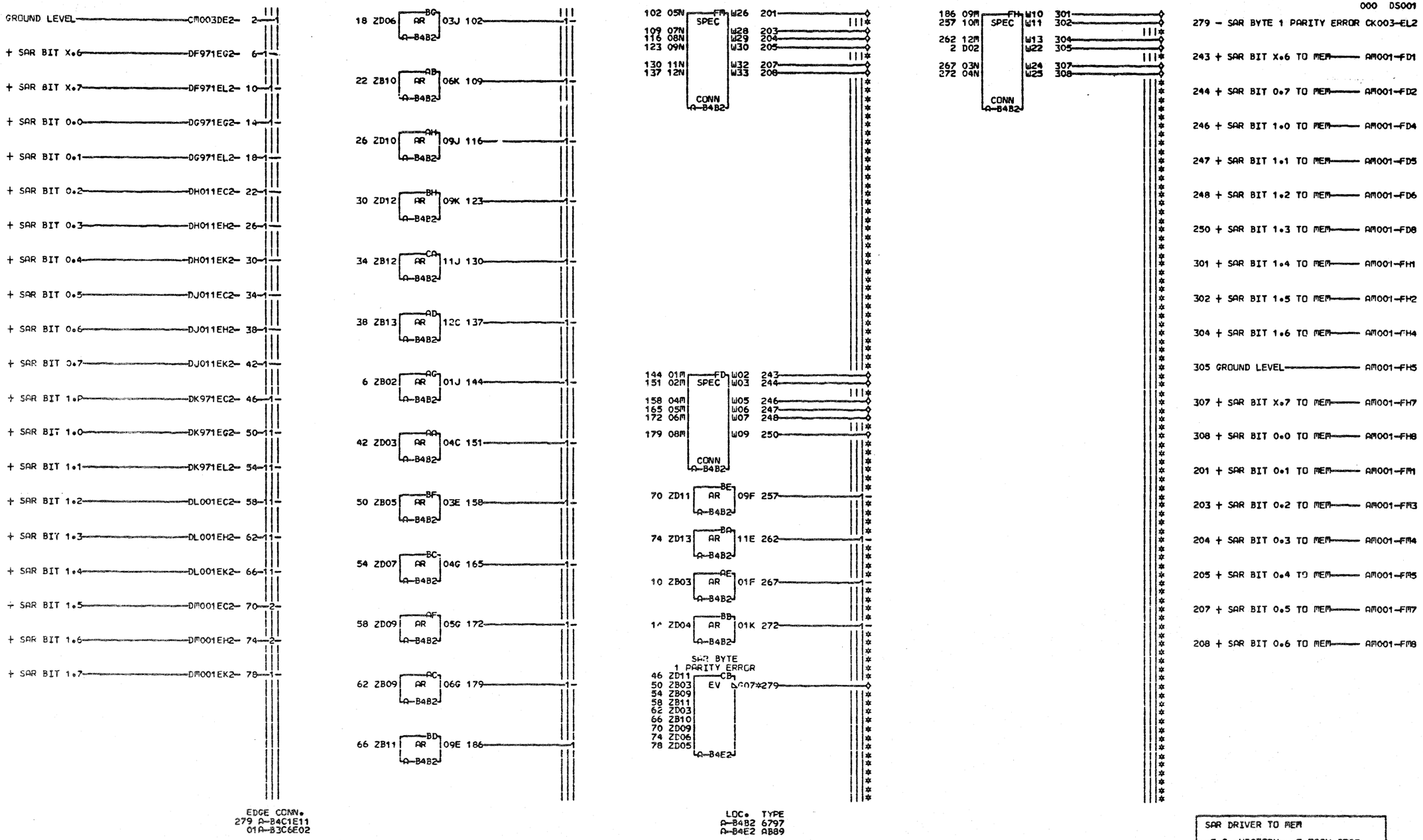
168 + SHIFT RIGHT BIT X.6 TO A BUS—GN2
└DF975

117 - FLOAT— DE975—GP2

161 - FLOAT— DE975—GQ2

110 - FLOAT— DE975—GR2

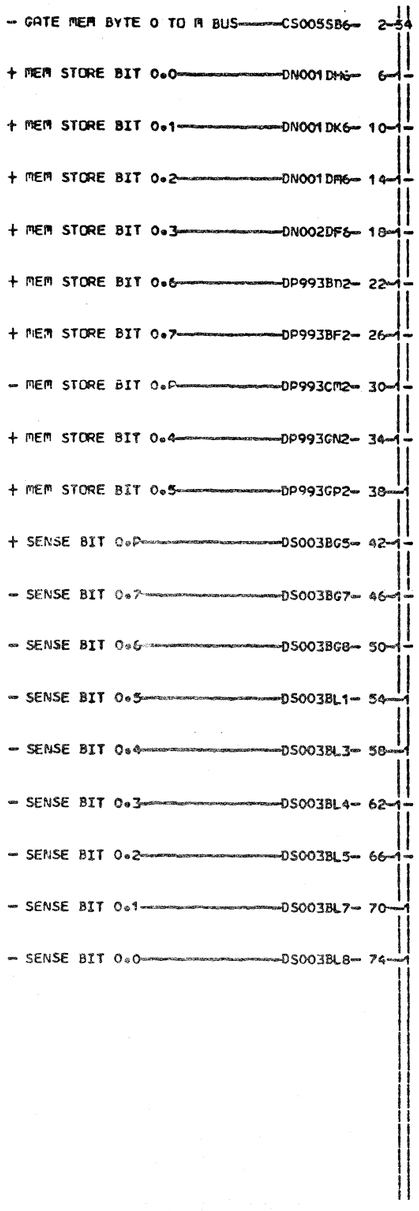
CCU DATA FLOW
SDR DP REG CARD
E.C. HISTORY — E. MACH.3705
FRAME 01
IBM CCRP.SCD DR994
DATE LAST EC
10-14-80 344270
P.No. 1986953 000

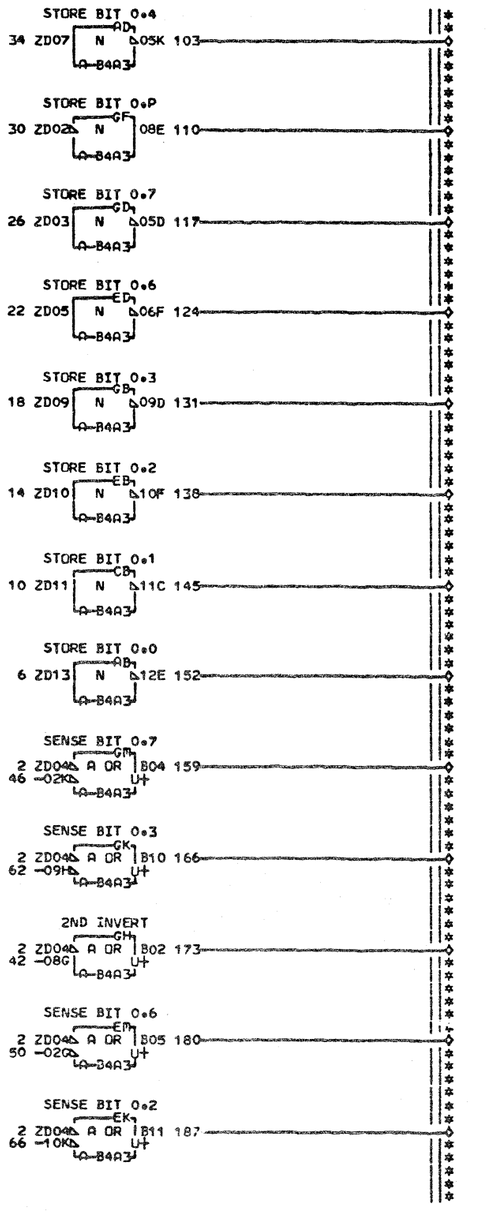


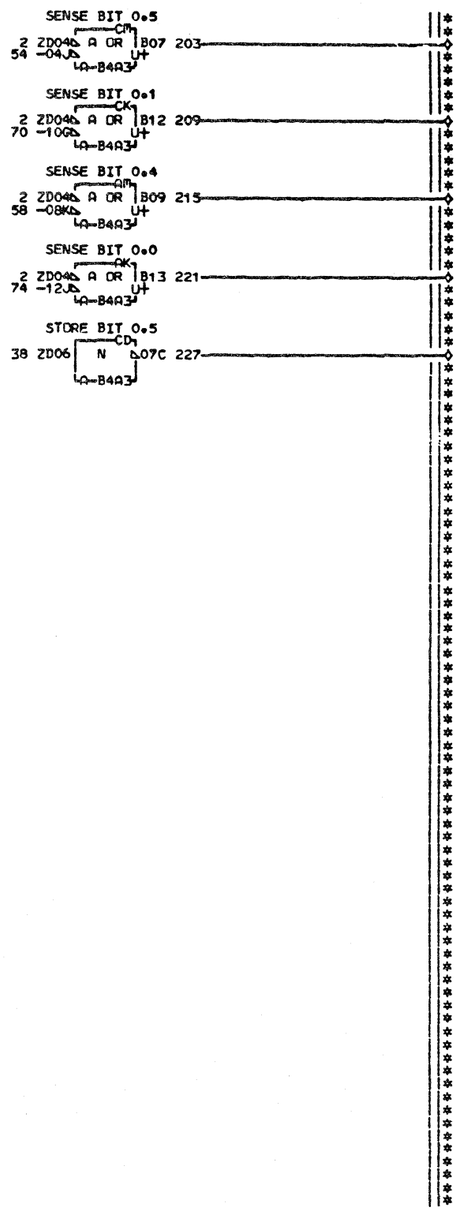
DS001
000

SAR DRIVER TO MEM

E•C•-HISTORY	E•MACH•3705	
	FRAME 01	
DATE LAST EC	IBM CORP•SCD	DS001
10-14-80 344270	P•N• 1986954	000







000 DS002

152 - STORE BIT 0.0 — DS003-AB2

103 - STORE BIT 0.4 — DS003-AD2

221 + SENSE BIT 0.0 — DN001-AK2

215 + SENSE BIT 0.4 — DN002-AM2

145 - STORE BIT 0.1 — DS003-CB2

227 - STORE BIT 0.5 — DS003-CD2

209 + SENSE BIT 0.1 — DN001-CK2

203 + SENSE BIT 0.5 — DP991-CM2

138 - STORE BIT 0.2 — DS003-EB2

124 - STORE BIT 0.6 — DS003-ED2

187 + SENSE BIT 0.2 — DN001-EK2

180 + SENSE BIT 0.6 — DP991-EM2

131 - STORE BIT 0.3 — DS003-GB2

117 - STORE BIT 0.7 — DS003-GD2

110 + STORE BIT 0.P — DS003-GF2

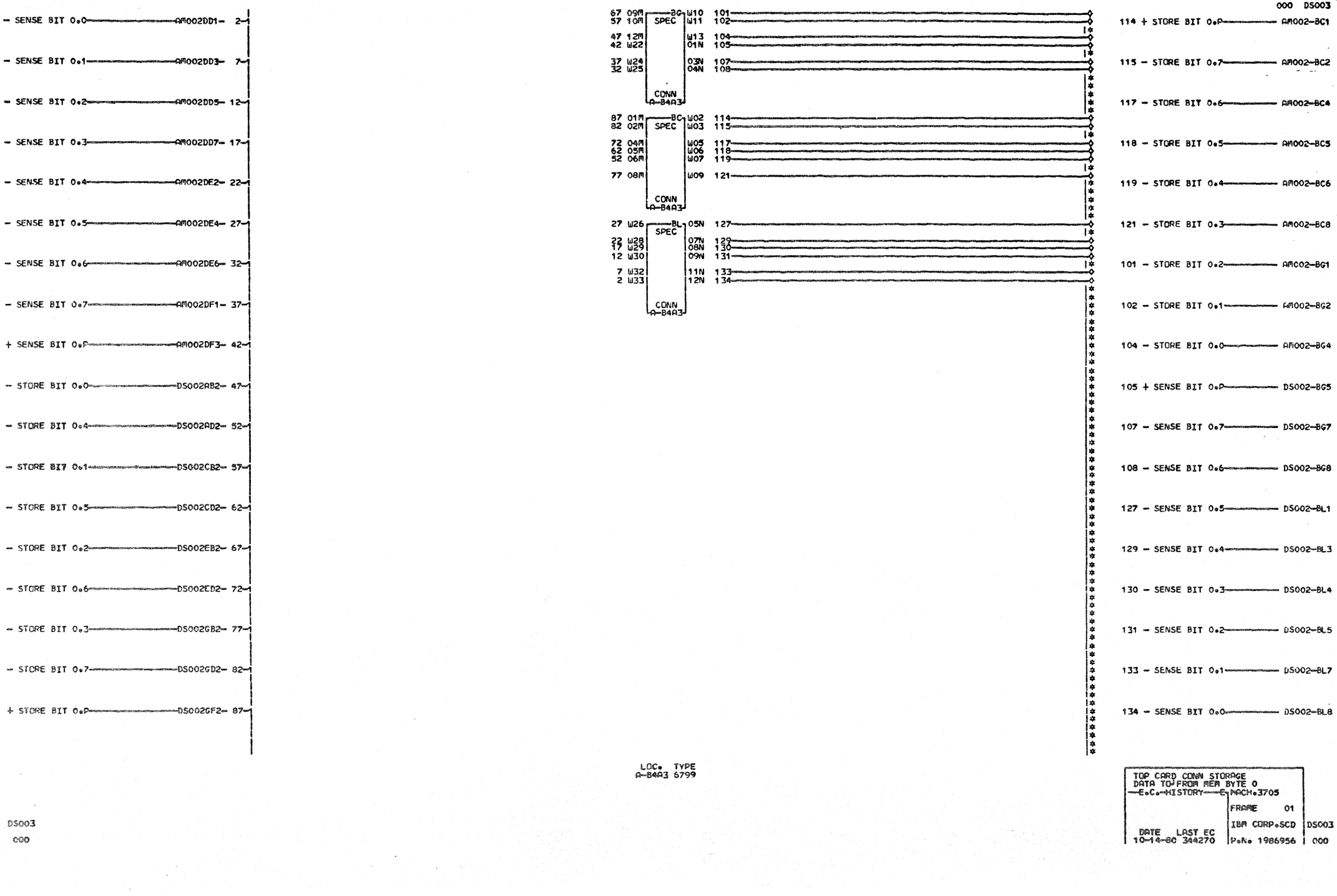
173 + SENSE BIT 0.P — DP992-GH2

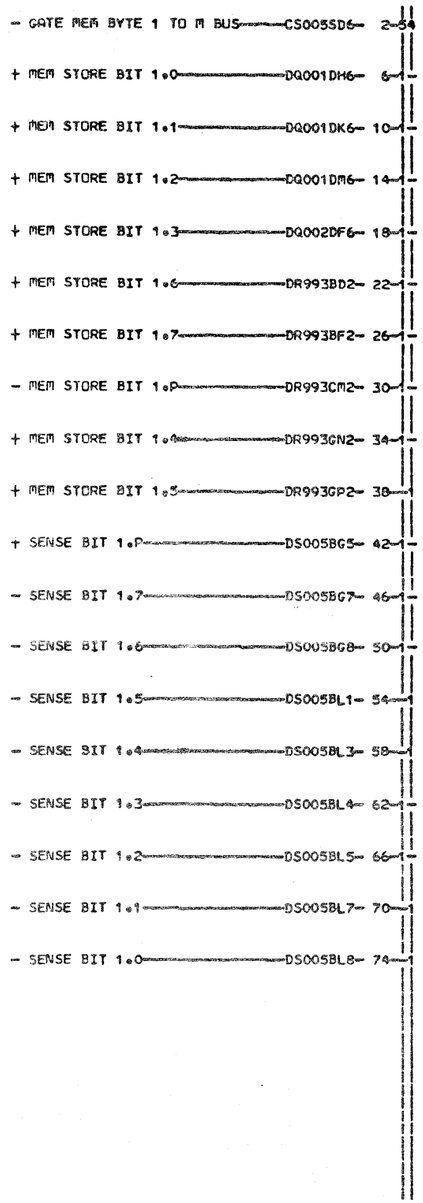
166 + SENSE BIT 0.3 — DN002-GK2

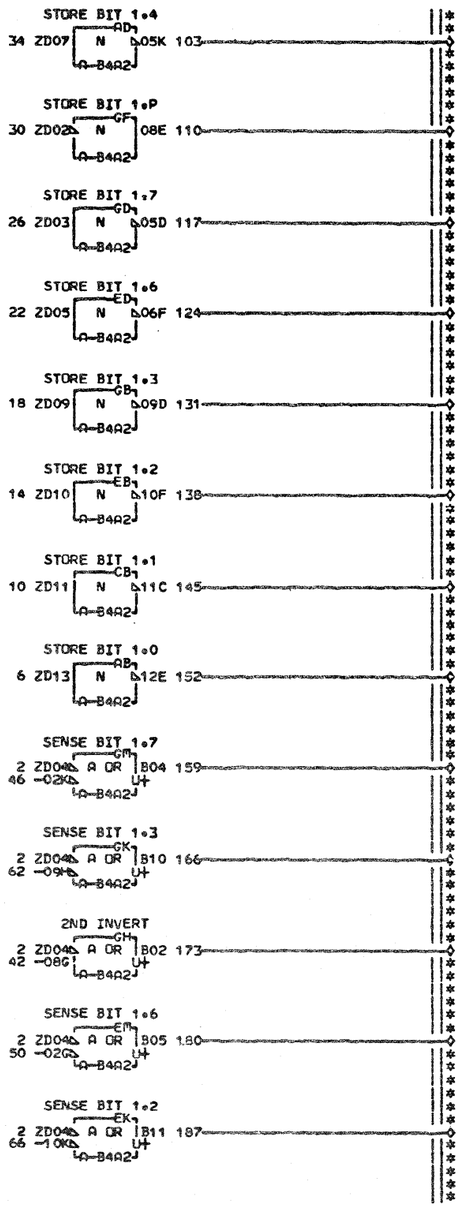
159 + SENSE BIT 0.7 — DP992-GM2

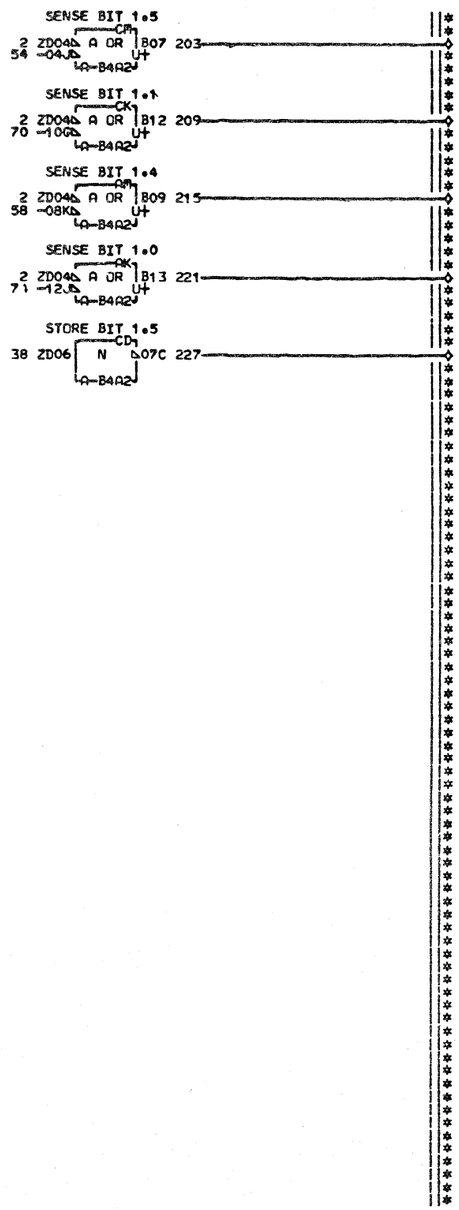
STORAGE DATA
DRIVERS AND RECEIVERS BYTE 0

E.C. HISTORY	MACH. 3705	
	FRAME 01	
	IBM CORP. SCD	DS002
DATE LAST EC	P.No. 1986955	000
10-14-80 344270		


000 DS003
- SENSE BIT 0.0 AM002DD1- 2
- SENSE BIT 0.1 AM002DD3- 7
- SENSE BIT 0.2 AM002DD5- 12
- SENSE BIT 0.3 AM002DD7- 17
- SENSE BIT 0.4 AM002DE2- 22
- SENSE BIT 0.5 AM002DE4- 27
- SENSE BIT 0.6 AM002DE6- 32
- SENSE BIT 0.7 AM002DF1- 37
+ SENSE BIT 0.P AM002DF3- 42
- STORE BIT 0.0 DS002AB2- 47
- STORE BIT 0.4 DS002AD2- 52
- STORE BIT 0.1 DS002CB2- 57
- STORE BIT 0.5 DS002CD2- 62
- STORE BIT 0.2 DS002EB2- 67
- STORE BIT 0.6 DS002ED2- 72
- STORE BIT 0.3 DS002GB2- 77
- STORE BIT 0.7 DS002GD2- 82
+ STORE BIT 0.P DS002GF2- 87
DS003
000
67 09M 57 10M 47 12M 42 W22 37 W24 32 W25 2G SPEC CONN A-B4A3
W10 101 W11 102 W13 104 01N 105 03N 107 04N 108
87 01M 82 02M 72 04M 62 05M 52 06M 77 08M BC SPEC CONN A-B4A3
W02 114 W03 115 W05 117 W06 118 W07 119 W09 121
27 W26 22 W28 17 W29 12 W30 7 W32 2 W33 BL SPEC CONN A-B4A3
05N 127 07N 129 08N 130 09N 131 11N 133 12N 134
114 + STORE BIT 0.P AM002-BC1
115 - STORE BIT 0.7 AM002-BC2
117 - STORE BIT 0.6 AM002-BC4
118 - STORE BIT 0.5 AM002-BC5
119 - STORE BIT 0.4 AM002-BC6
121 - STORE BIT 0.3 AM002-BC8
101 - STORE BIT 0.2 AM002-BG1
102 - STORE BIT 0.1 AM002-BG2
104 - STORE BIT 0.0 AM002-BG4
105 + SENSE BIT 0.P DS002-BG5
107 - SENSE BIT 0.7 DS002-BG7
108 - SENSE BIT 0.6 DS002-BG8
127 - SENSE BIT 0.5 DS002-BL1
129 - SENSE BIT 0.4 DS002-BL3
130 - SENSE BIT 0.3 DS002-BL4
131 - SENSE BIT 0.2 DS002-BL5
133 - SENSE BIT 0.1 DS002-BL7
134 - SENSE BIT 0.0 DS002-BL8
LOC. TYPE
A-B4A3 6799
TOP CARD CONN STORAGE
DATA TO FROM MEM BYTE 0
E.C. HISTORY
E.C. MACH.3705
FRAME 01
IBM CORP.SCD
DS003
DATE LAST EC
10-14-80 344270
P.N. 1986956
000







000 DS004

152 - STORE BIT 1.0 — DS005-AB2

103 - STORE BIT 1.4 — DS005-AD2

221 + SENSE BIT 1.0 — DQ001-AK2

215 + SENSE BIT 1.4 — DQ002-AM2

145 - STORE BIT 1.1 — DS005-CB2

227 - STORE BIT 1.5 — DS005-CD2

209 + SENSE BIT 1.1 — DQ001-CK2

203 + SENSE BIT 1.5 — DR991-CM2

138 - STORE BIT 1.2 — DS005-EB2

124 - STORE BIT 1.6 — DS005-ED2

187 + SENSE BIT 1.2 — DQ001-EK2

180 + SENSE BIT 1.6 — DR991-EM2

131 - STORE BIT 1.3 — DS005-GB2

117 - STORE BIT 1.7 — DS005-GD2

110 + STORE BIT 1.P — DS005-GF2

173 + SENSE BIT 1.P — DR992-GH2

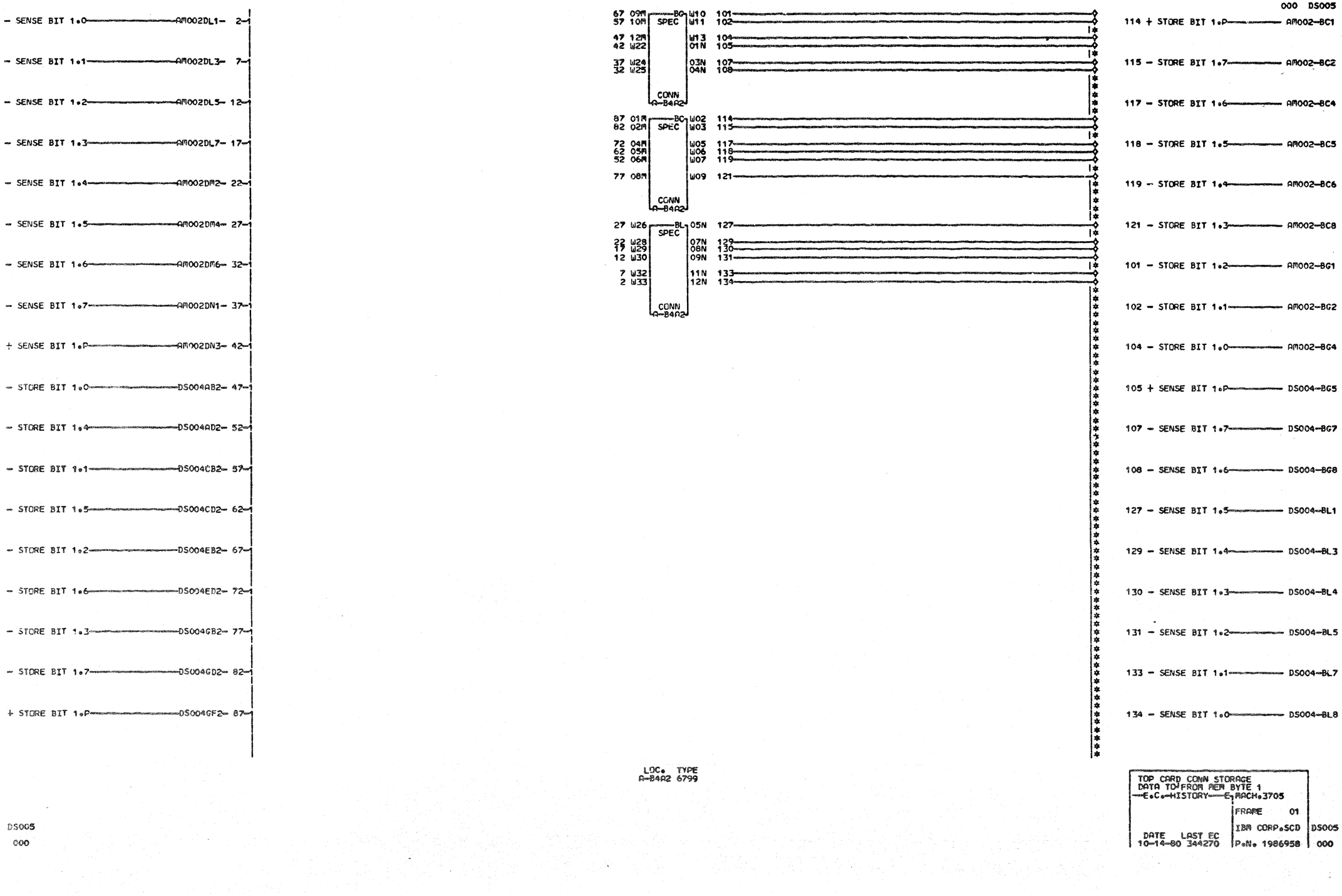
166 + SENSE BIT 1.3 — DQ002-GK2

159 + SENSE BIT 1.7 — DR992-GM2

STORAGE DATA
DRIVERS AND RECEIVERS BYTE 1
E.C.-HISTORY — E. MACH. 3705

DATE	LAST EC	FRAME	01	
		IBM CORP. SCD		DS004
10-14-80	344270	P.No. 1986957		000

DS004
000


- SENSE BIT 1.0 AM002DL1- 2
- SENSE BIT 1.1 AM002DL3- 7
- SENSE BIT 1.2 AM002DL5- 12
- SENSE BIT 1.3 AM002DL7- 17
- SENSE BIT 1.4 AM002DM2- 22
- SENSE BIT 1.5 AM002DM4- 27
- SENSE BIT 1.6 AM002DM6- 32
- SENSE BIT 1.7 AM002DN1- 37
+ SENSE BIT 1.P AM002DN3- 42
- STORE BIT 1.0 DS004AB2- 47
- STORE BIT 1.4 DS004AD2- 52
- STORE BIT 1.1 DS004CB2- 57
- STORE BIT 1.5 DS004CD2- 62
- STORE BIT 1.2 DS004EB2- 67
- STORE BIT 1.6 DS004ED2- 72
- STORE BIT 1.3 DS004GB2- 77
- STORE BIT 1.7 DS004GD2- 82
+ STORE BIT 1.P DS004GF2- 87
67 09M BC W10 101
57 10M SPEC W11 102
47 12M W13 104
42 W22 01N 105
37 W24 03N 107
32 W25 04N 108
CONN A-B4A2
87 01M BC W02 114
82 02M SPEC W03 115
72 04M W05 117
62 05M W06 118
52 06M W07 119
77 08M W09 121
CONN A-B4A2
27 W26 BL 05N 127
SPEC
22 W28 07N 129
17 W29 08N 130
12 W30 09N 131
7 W32 11N 133
2 W33 12N 134
CONN A-B4A2
000 DS005
114 + STORE BIT 1.P AM002-BC1
115 - STORE BIT 1.7 AM002-BC2
117 - STORE BIT 1.6 AM002-BC4
118 - STORE BIT 1.5 AM002-BC5
119 - STORE BIT 1.4 AM002-BC6
121 - STORE BIT 1.3 AM002-BC8
101 - STORE BIT 1.2 AM002-BG1
102 - STORE BIT 1.1 AM002-BG2
104 - STORE BIT 1.0 AM002-BG4
105 + SENSE BIT 1.P DS004-BG5
107 - SENSE BIT 1.7 DS004-BG7
108 - SENSE BIT 1.6 DS004-BG8
127 - SENSE BIT 1.5 DS004-BL1
129 - SENSE BIT 1.4 DS004-BL3
130 - SENSE BIT 1.3 DS004-BL4
131 - SENSE BIT 1.2 DS004-BL5
133 - SENSE BIT 1.1 DS004-BL7
134 - SENSE BIT 1.0 DS004-BL8
LOC. TYPE
A-B4A2 6799
TOP CARD CONN STORAGE
DATA TO/FROM REM BYTE 1
E.C. HISTORY
MACH. 3705
FRAME 01
IBM CORP. SCD
P.No. 1986958
DS005
000
DATE LAST EC
10-14-80 344270
DS005
000

GROUND LEVEL —— CM003DD2 — 2

+ SAR BIT X.6 —— DF971EG2 — 7

+ SAR BIT X.7 —— DF971EL2 — 12

+ SAR BIT 0.0 —— DG971EG2 — 17

+ SAR BIT 0.1 —— DG971EL2 — 22

+ SAR BIT 0.2 —— DH011EC2 — 27

+ SAR BIT 0.3 —— DH011EH2 — 32

+ SAR BIT 0.4 —— DH011EK2 — 37

+ SAR BIT 0.5 —— DJ011EC2 — 42

+ SAR BIT 0.6 —— DJ011EH2 — 47

+ SAR BIT 0.7 —— DJ011EK2 — 52

+ SAR BIT 1.0 —— DK971EG2 — 57

+ SAR BIT 1.1 —— DK971EL2 — 62

+ SAR BIT 1.2 —— DL001EC2 — 67

+ SAR BIT 1.3 —— DL001EH2 — 72

+ SAR BIT 1.4 —— DL001EK2 — 77

+ SAR BIT 1.5 —— DM001EC2 — 82

+ SAR BIT 1.6 —— DM001EH2 — 87

7 B02 — FP SERV* A-B4B3

12 B03 — FN SERV* A-B4B3

42 B12 — DL SERV* A-B4B3

37 D12 — DH SERV* A-B4B3

22 D06 — DD SERV* A-B4B3

57 B05 — DB SERV* A-B4B3

82 D11 — CL SERV* A-B4B3

77 B11 — CH SERV* A-B4B3

62 D07 — CD SERV* A-B4B3

17 D04 — CB SERV* A-B4B3

87 D13 — BL SERV* A-B4B3

32 D10 — BH SERV* A-B4B3

67 D09 — BD SERV* A-B4B3

47 B13 — QL SERV* A-B4B3

72 B09 — QH SERV* A-B4B3

2 D02 — QC SERV* A-B4B3

27 B10 — QD SERV* A-B4B3

52 D03 — QB SERV* A-B4B3

LOC. TYPE

DT001
000

SERV WIRING
E.C. HISTORY — MACH.3705
FRAME 01
IBM CORP.SCD | DT001
P.N. 1986959 | 000
DATE LAST EC
10-14-80 344270

GROUND LEVEL —— CM003DC2 — 2

+ SAR BIT X.6 —— DF971EG2 — 7

+ SAR BIT X.7 —— DF971EL2 — 12

+ SAR BIT 0.0 —— DG971EG2 — 17

+ SAR BIT 0.1 —— DG971EL2 — 22

+ SAR BIT 0.2 —— DH011EC2 — 27

+ SAR BIT 0.3 —— DH011EH2 — 32

+ SAR BIT 0.4 —— DH011EK2 — 37

+ SAR BIT 0.5 —— DJ011EC2 — 42

+ SAR BIT 0.6 —— DJ011EH2 — 47

+ SAR BIT 0.7 —— DJ011EK2 — 52

+ SAR BIT 1.0 —— DK971EG2 — 57

+ SAR BIT 1.1 —— DK971EL2 — 62

+ SAR BIT 1.2 —— DL001EC2 — 67

+ SAR BIT 1.3 —— DL001EH2 — 72

+ SAR BIT 1.4 —— DL001EK2 — 77

+ SAR BIT 1.5 —— DM001EC2 — 82

+ SAR BIT 1.6 —— DM001EH2 — 87

7 B02 — FP SERV* A-B4B4

12 B03 — FN SERV* A-B4B4

42 B12 — FL SERV* A-B4B4

37 D12 — DH SERV* A-B4B4

22 D06 — DD SERV* A-B4B4

57 B05 — DB SERV* A-B4B4

82 D11 — CL SERV* A-B4B4

77 B11 — CH SERV* A-B4B4

62 D07 — CD SERV* A-B4B4

17 D04 — CB SERV* A-B4B4

87 D13 — BL SERV* A-B4B4

32 D10 — BH SERV* A-B4B4

67 D09 — BD SERV* A-B4B4

47 B13 — AL SERV* A-B4B4

72 B09 — AH SERV* A-B4B4

2 D02 — AG SERV* A-B4B4

27 B10 — AD SERV* A-B4B4

52 D03 — AB SERV* A-B4B4

LOC. TYPE

DU001
000

SERV WIRING
E.C. HISTORY — E. MACH. 3705
FRAME 01
IBM CORP. SCD | DU001
P.N. 1986960 | 000
DATE LAST EC
10-14-80 344270

GROUND LEVEL —— CM003DB2— 2

+ SAR BIT X.6 —— DF971EG2— 7

+ SAR BIT X.7 —— DF971EL2— 12

+ SAR BIT 0.0 —— DG971EG2— 17

+ SAR BIT 0.1 —— DG971EL2— 22

+ SAR BIT 0.2 —— DH011EC2— 27

+ SAR BIT 0.3 —— DH011EH2— 32

+ SAR BIT 0.4 —— DH011EK2— 37

+ SAR BIT 0.5 —— DJ011EC2— 42

+ SAR BIT 0.6 —— DJ011EH2— 47

+ SAR BIT 0.7 —— DJ011EK2— 52

+ SAR BIT 1.0 —— DK971EG2— 57

+ SAR BIT 1.1 —— DK971EL2— 62

+ SAR BIT 1.2 —— DL001EC2— 67

+ SAR BIT 1.3 —— DL001EH2— 72

+ SAR BIT 1.4 —— DL001EK2— 77

+ SAR BIT 1.5 —— DM001EC2— 82

+ SAR BIT 1.6 —— DM001EH2— 87

7 B02 — FP SERV* A-B4B5

12 B03 — FN SERV* A-B4B5

42 B12 — DL SERV* A-B4B5

37 D12 — DH SERV* A-B4B5

22 D06 — DD SERV* A-B4B5

57 B05 — DB SERV* A-B4B5

82 D11 — CL SERV* A-B4B5

77 B11 — CH SERV* A-B4B5

62 D07 — CD SERV* A-B4B5

17 D04 — CB SERV* A-B4B5

87 D13 — BL SERV* A-B4B5

32 D10 — BH SERV* A-B4B5

67 D09 — BD SERV* A-B4B5

47 B13 — AL SERV* A-B4B5

72 B09 — AH SERV* A-B4B5

2 D02 — AG SERV* A-B4B5

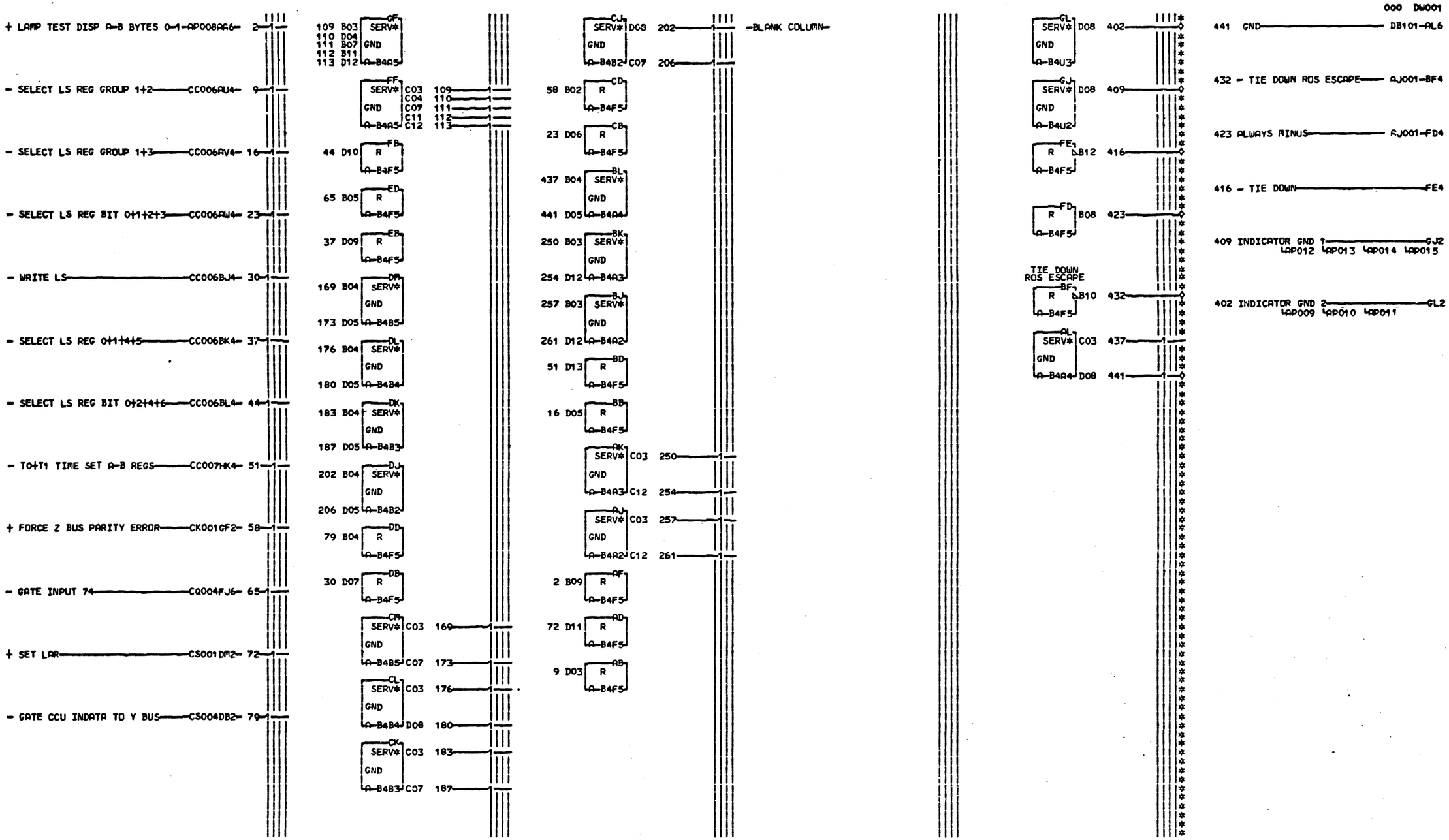
27 B10 — AD SERV* A-B4B5

52 D03 — AB SERV* A-B4B5

LOC. TYPE

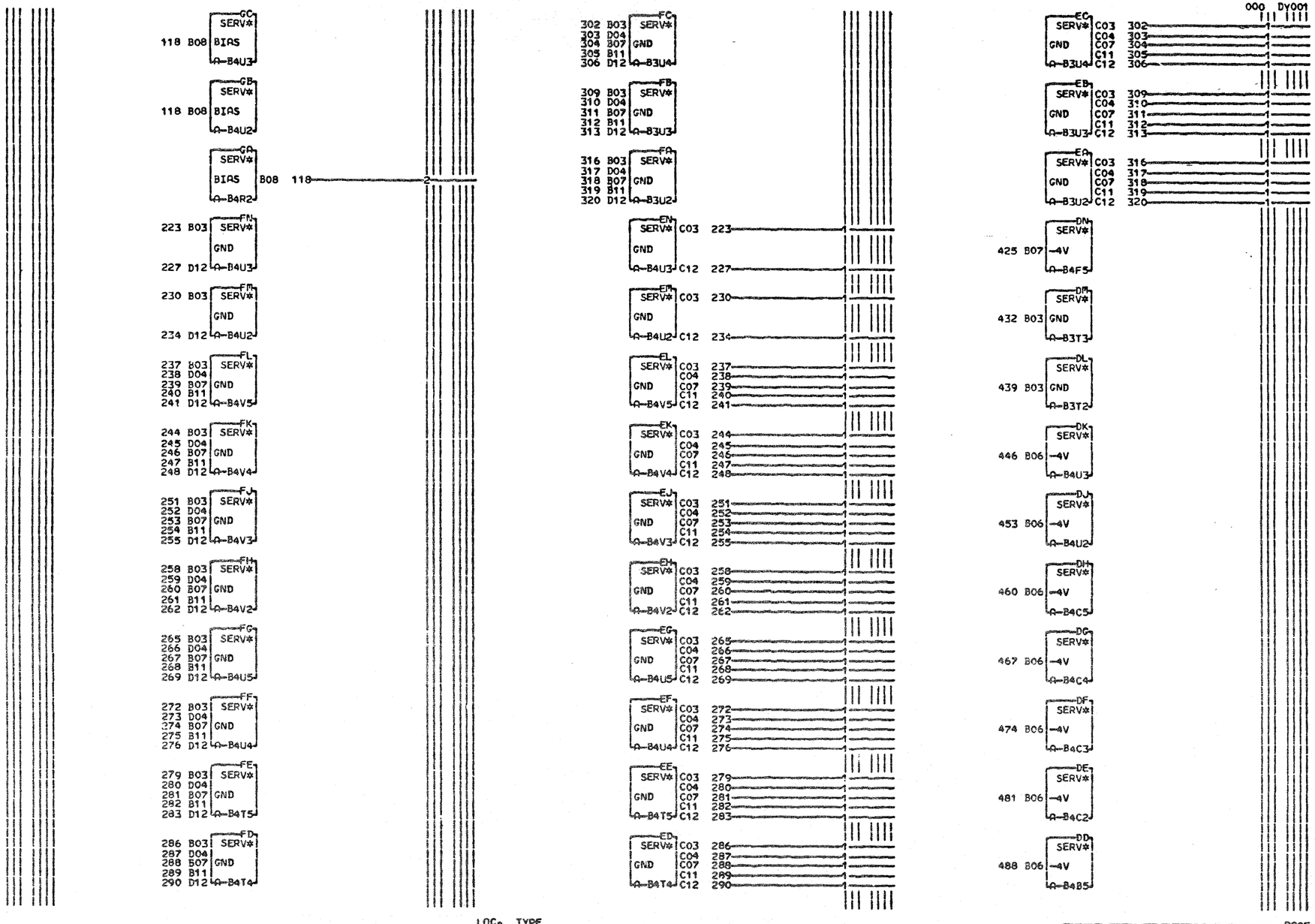
DVC01
000

SERV WIRING
E.C. HISTORY — E MACH.3705
FRAME 01
IBM CORP.SCD | DV001
P.N. 1986961 | 000
DATE LAST EC
10-14-80 344270



DW001
000

TERMINATOR RESISTORS FOR CONTROL SIGNALS
E.C. HISTORY — E
344270
MACH. 3705
FRAME 01
IBM CORP. SCD
P.N. 1986962
DW001
000
DATE LAST EC
06-02-81 344828



PAGE 01 OF 02

DY001

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LOC. TYPE

BIAS AND SERVICE VOLTAGES FOR A-B3 AND A-B4 BOARDS

E.C. HISTORY — E. MACH. 3705

DATE	LAST EC
10-14-80	344270

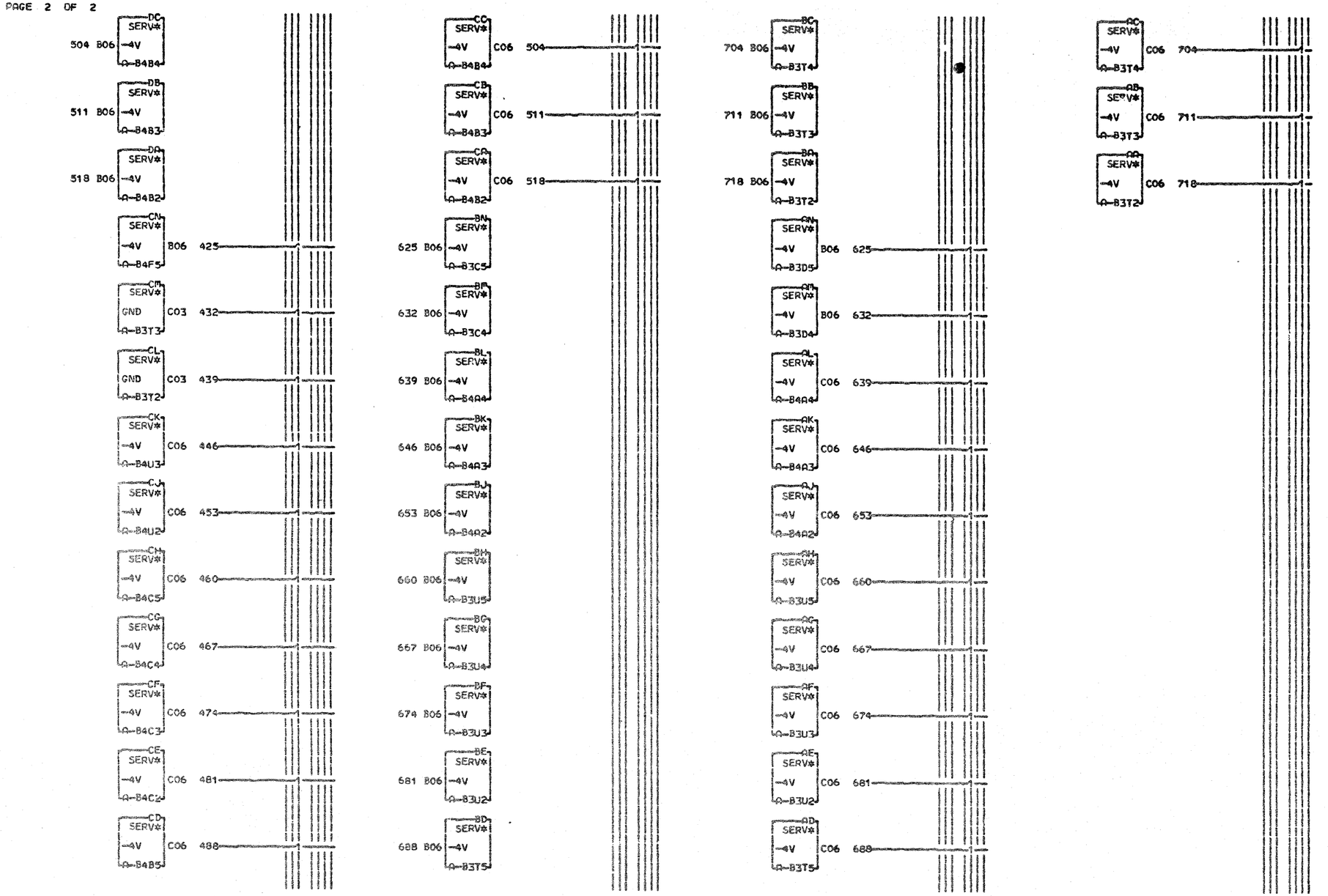
FRAME 01

IBM CORP. SCD | DY001

P.No. 1986963 | 000

PAGE 01 OF 02

000 DY001



LOC. TYPE

PAGE 02 OF 02

DY001

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BIAS AND SERVICE VOLTAGES FOR A-B3 AND A-B4 BOARDS

E.C. HISTORY

MACH. 3705

FRAME 01

IBM CORP. SCD

P.No 1986963

DATE LAST EC

10-14-80 344270

PAGE 02 OF 02

DY001

000

```
A1          CONNECTOR
            D11   AP008BA6
            D13   CQ001CD2
            E11   CQ005CJ6

A2          CONNECTOR
            B02   CX010FA6
            B04   CX010GB6
            B05   CX010DB4
            B06   CX010ED4
            B08   CX010DE4
            B09   CX010EF4
            B10   CX010BH4
            B12   CX010FG4
            B13   CX010FK4
            D02   CX010GL4
            D03   CX010FN4
            D05   CX011GN6
            D06   CX001GJ6
            D07   CC007HK2
            D09   CC007HJ0
            D10   CX002GF6
            D11   CX002GH6
            D13   CX002GK6

A3          CONNECTOR
            B02   CX003FD4
            B04   CX003FE4
            B05   CX003FE4
            B06   CX003FE4
            B08   AA004DJ2
            B09   AA004DJ4
            B10   AA004DJ6
            B12   AA004DK1
            B13   AA004DK3
            D02   AA004DK5
            D03   AA004DK7
            D05   AA004DL2
            D06   AA004DL4
            D07   AA004DL6
            D09   AA004DM1
            D10   AA004DM3
            D11   CX002GM6
            D13   CX002GD6

A4          CONNECTOR
            B02   AP007EG4
            B04   AP007EL4
            B05   AP007EH4
            B06   AP007EM4
            B08   AP007EK4
            B09   AP007FN4
            B10   AP007EJ4
            B12   AP007FM4
            B13   AA002DL6
            D02   AA002DM1
            D03   AA002DM3
            D05   AA002DM5
            D06   AA002DL2
            D07   AA002DL4
            D09   AA002DM7
            D10   AA002DN2
            D11   AA002DN4
            D13   AA002DN6

A5          CONNECTOR
            B02   CU006GC6
            B04   CU010FJ2
            B05   CU010GK6
            B06   CQ002CA6
            B08   CC007HK3
            B09   CC007HJ9
            B10   CP001GK2
            B12   CP001GM2
            B13   CQ002DF6
            D02   CQ002BK6
            D03   CR003GC6
            D05   CQ002DD6
            D06   CQ002BC6
            D07   CU010AJ6
            D09   CP001GG2
            D10   AA003DM1
            D11   AA003DM3
            D13   AA003DM5

A6          CONNECTOR
            D02   DN004GB2
            D04   DN004GD2
            E02   DN004GF2

B1          CONNECTOR
            A13   CQ005CL6
            B11   CU010GM6
D           B13   AA002DF1
Z           C11   CP005AD4
0           C13   AA002DF5
0           D11   AA002DF7
1           E13   CS002DK6

B6          CONNECTOR

B6          A04   DN004GH2
            B02   DN004GK2
            B04   DP991GB6
            C02   DP991GE6
            C04   DP992GA6
            D02   DQ004GB2
            E04   DQ004GD2

C1          CONNECTOR
            A11   CP005AB4
            A13   AA002DN2
            B11   AA002DN4
            B13   AA002DN6
            C11   DF002GF4
            D13   CQ004DM2
            E11   CQ004FH2
            E13   CQ005FL6

C4          DOUBLE CARD
C5          8254627 CF99

        CU017 00
        CU016 01
        CU017 02
        CU016 03
        CU017 04
        CU016 05 06
        CU017 07 08 09 0A 0D 0E
        CU016 0F 0G 0H 0J 0K 0L
              0M 0N 0P 0Q
        CU017 0R
        CU016 0S 0T 0U 0V 0W
        CU017 0X 0Y 0Z
        CU016 10 11 12 13 14
        CU017 15
        CU016 16 17
        CU017 18 19 1A 1B 1C 1D
              1E 1F

C6          CONNECTOR
            A02   DQ004GF2
            A04   DQ004GH2
            B02   DQ004GK2
            B04   DR991GB6
            C02   DR991GE6
            D04   DR992GA6
            E02   DS001EL2
            E04   DG974FK6

D1          CONNECTOR
            E11   CS002BK4
            E13   CP003DD6

D2          QUAD    CARD          SCAN
D3          8218933 6808
D4
D5

        CX008 00 01 02 03 04 05
              06 07 08
        CX002 09 0A 0B 0C 0D 0E
              0F 0G 0H 0J 0K
        CX009 0L
        CX002 0M 0N 0P 0Q 0R 0S
              0T 0U
        CX009 0V
        CX002 0W 0X 0Y 0Z 10 11
              12 13 14 15 16 17
              18
        CX003 19 1A 1B 1C 1D 1E
              1F 1G 1H 1J 1K 1L
              1M 1N 1P 1Q
        CX004 1S 1T 1U 1V 1W 1X
              1Y 1Z 20 21 22 23
              24 25 26 27 28 29
              2A 2B 2C 2D
        CX007 2E 2F 2G 2H 2J 2K
              2L 2M 2N 2P 2Q 2R
              2S 2T 2U 2V 2W 2X
              2Y 2Z 30 31 32 33
              34 35 36 37 38
        CX008 39 3A 3B 3C 3D 3E
              3F 3G 3H
        CX011 3J 3K 3L 3M 3N 3P
              3Q 3R 3S 3T 3U 3V
              3W 3X 3Y 32 40
        CX009 41
        CX011 42 43 44 45
        CX009 46
        CX011 47
        CX002 48 49
        CX009 4G 4H 4J 4K
        CX006 60 61 62 63
        CX011 64
        CX007 7J 7K 7L

D6          CONNECTOR
            E02   DG976EA6
            E04   DG974EB6

E1          CONNECTOR
            A11   AJ001AB4
            B13   AJ001FC4
            C11   AJ001FD4
            C13   AJ001EC4
            D11   CG001BF2
            D13   CQ005DK6
            E11   CS004GH2

E2          QUAD    CARD          SCAN
E3          8218939 6809
E4
E5

        CX001 00 01 02 03 04 05
              06 07 08
        CX010 09
        CX001 0A 0B 0C 0D 0E 0F
              0G 0H 0J 0K 0L 0M
              0N 0P 0Q 0R 0S 0T
              0U 0V 0W 0X
        CX003 0Y 0Z 10 11 12 13
        CX005 14 15 16 17 18 19
              1A 1B 1C 1D 1E 1F
              1G 1H 1J 1K 1L 1M
              1N 1P
        CX006 1Q 1R 1S 1T 1U 1V
              1W 1X 1Y 12
        CX001 20 21
        CX010 22
        CX006 23 24 25 26 27 28
              2A 2B
        CX009 2H 2J 2K 2L 2M 2N
              2P 2Q 2R 2S 2T 2U
              2V 2W 2X 2Y 2Z 30
              31 32 33 34 35 36
              37 38 39 3A
        CX010 3B 3C 3F 3G 3H 3J
              3K 3L 3M 3N 3P 3Q
              3R 3S 3T 3U 3V 3W
              3X 3Y 32 4A 4B 4C
              4D 4E 4F
        CX006 4G 4H 4J
        CX001 50 51 53
        CX005 54
        CX006 5A
        CX001 5C 5D 5E 5F 5G
        CX009 5H

E6          CONNECTOR
            A02   DG974EH6
            B04   DH014GB6
            C02   DH014GF6
            C04   DH014GK6
            D02   DJ014GB6
            D04   DJ014GF6
            E02   DJ014GK6

F1          CONNECTOR
            A13   CQ005DC6
            B11   CU005CB2
            B13   AP001CB4
            C11   AP001CC4
            C13   DM001EK2
            D11   CM001BB6
            E13   CM001DD2

F2          QUAD    CARD
F3          8235942 6810
F4
F5

        CS002 00 01 02 03 04 05
              06 07 08 09 0A 0B
              0C 0D 0E 0F 0G 0H
        CS003 0J 0K 0L 0M 0N
        CS004 0P 0Q 0R 0S 0T 0U
              0V 0W 0X 0Y 0Z 10
              11 12 13 14
        CS003 15
        CS004 16 17 18 19 1A 1C
              1D 1F 1G 1H 1J 1K
              1L
        CS002 1M
        CS003 1N
        CS004 1P
        CS006 1Q 1R 1S 1T 1U 1V
              1W 1X 1Y 2Z
        CS007 20 21
        CS004 22
        CS007 23
        CS004 24
        CS002 25
        CS004 26
        CS002 27
        CS003 28 29 2A
        CS002 2B
        CS003 2C
        CS006 2F 2G 2H 2J 2K 2L
              2M 2N 2P

        CS007 2Q
        CS006 2R 2S 2T
        CS003 2U
        CS007 2V
        CS004 2W
        CS002 2X
        CS007 2Y 2Z 30 31 32 33
              34 35
        CS003 37
        CS006 38 39
        CS007 3A
        CS006 3C
        CS004 3D 3E 3F
        CU014 3H
        CS003 3J
        CS004 3K 3L 3M 3N 3P
        CS007 3U
        CS002 40 41
        CS007 42

F6          CONNECTOR
            A04   DK976EA6
            B02   DK974EB6
            B04   DK974EH6
            C02   DL004GB6
            C04   DL004GF6
            D02   DL004GK6
            E04   DM004GB6

G1          CONNECTOR
            A13   CQ001GL2

G2          QUAD    CARD
G3          8233246 Y702
G4
G5

        CD001 00
        CZ005 01
        CD001 02
        CQ001 03 04 05
        CZ005 07 08 09
        CQ005 0A
        CQ004 0B 0C 0D
        CZ005 0E
        CQ004 0F 0G
        CZ005 0H
        CQ004 0J 0K 0L 0M 0P
        CQ005 0Q 0R 0S 0T 0U 0V
              0W 0X
        CZ005 0Y
        CQ005 0Z
        CZ005 10
        CQ005 11
        CZ005 12
        CQ005 13 14 15
        CZ005 16
        CQ003 17 18 19 1A 1B 1C
              1E
        CZ001 1F 1G 1H 1J 1K 1L
              1N 1P 1Q 1R 1S 1T
              1U 1V 1W 1X 1Y 20
              21 22 23
        CZ005 24
        CZ002 25
        CZ005 26
        CZ002 27 28 29 2A 2B 2C
              2D 2E 2F 2G 2H 2J
              2K 2L 2M 2N 2P 2Q
              2R 2U 2V
        CZ005 2W
        CZ003 2X 2Y 2Z 30 31 32
              33 34 35 36 37 38
              39 3A 3B 3C 3D 3E
        CZ004 3F 3G
        CZ005 3H 3J 3K 3L 3M
        CZ004 48 49 4A 4B 4C 4D
              4E 4F 4G 4H 4J 4K
              4L 4M 4N
        CQ005 4P
        CZ004 4Q 4R
        CZ003 50 51
        DK974 52
        DG974 53
        BF974 54
        CQ005 55
        CZ001 56
        CQ004 57 58
        CQ001 59
        CQ004 5A 5B
        CZ001 5C 5D
        CQ001 5E
        CZ001 5F
        CZ002 61 62 63
        CZ001 64 65
        CZ002 66
        CZ001 67 68

G6          CONNECTOR
            A02   DM004GF6

G6          A04   DM004GK6
H1          CONNECTOR
            A11   DK976EJ6
            A13   CQ004FJ6
            B11   CS004BK6
            C13   CS004BM2
            D11   CS004CA6
            D13   CS004DB2
            E11   CS004ED2
            E13   CS004FG2

H2          QUAD    CARD
H3          8250103 AB91
H4
H5

        CD001 00 01 02 03 04 05
              06 07 08 09 0A 0B
              0C 0D 0E 0F 0G 0H
              0J 0K 0L
        CD002 0M
        CD001 0N
        CD002 0P 0Q 0R 0S 0T 0U
              0V
        CD001 0W
        CD002 0X 0Y 0Z 10
        CD001 11
        CD002 12 13 14
        CD003 15 16 17 18 19 1A
              1B 1C 1D 1E 1F 1G
              1H 1J 1K 1L 1M 1N
              1P 1Q 1R 1S 1T 1U
              1V 1W 1X 1Y 12 20
              21 22
        CD004 23 24 25 26 27 28
              29 2A 2B 2C 2D 2E
              2F 2G 2H 2J
        CD003 2K
        CS003 2L 2M 2N
        CD003 2P
        CS003 2Q
        CD003 2R
        CS003 2S 2T
        CD001 2U
        CS003 2V
        CD003 2W 2X
        CD004 2Y 2Z 30
        CS003 31
        CD003 32 33 34
        CD001 3A
        CD002 3D
        CD001 70
        CD003 71
        CD001 72

H6          CONNECTOR
            A02   CA003HE6
            A04   CA003HH2
            B02   CA003HL2
            C04   CA004BA2
            D02   CA004EB6
            D04   CA004EC6
            E02   CA004EE6
            E04   CA004EF6

J1          CONNECTOR
            A11   CS004FJ2
            B13   CS005SA4
            C11   CS005SC4
            C13   CS005CA6
            D11   CS005CC6
            D13   CK003CC4
            E11   DG974GG2

J2          QUAD    CARD
J3          5857415 6815
J4
J5

        CA001 00 02 03 04 05 06
              07 08
        CA003 09 0A
        CA001 0B 0C 0D 0E 0F 0G
              0H 0K 0L
        CA002 0M 0N 0P 0Q 0R 0S
              0T
        CA001 0U
        CA002 0V 0W
        CA001 0X
        CA002 0Y 0Z 10 11 12 13
              14
        CA003 15 16 17 18 19 1A
              1B 1C 1D 1E 1G 1J
              1K 1L 1M 1N 1P 1Q
              1R 1S 1T 1U 1V 1W
              1X 1Y 1Z 20 21
        CA004 22 23 24 25 26 27
              28 29 2A 2B 2C 2D
              2E 2F 2G 2H

        CA001 2J
        CA002 2K
        CA004 2L 2M 2N 2P 2Q 2R
              2S 2T
        CA001 2U 2V
        CA004 2W 2X 2Y 2Z 30 31
              32 33
        CA001 34
        CA002 35
        CD001 36 37
        CA002 38
        CC001 39
        CA002 3A
        CA003 3B
        CS004 3C
        CA003 40 45
        CA004 47 48 49 4A 4B 4C
        CS004 4F
        CA001 4G
        CA004 4H
        CA001 4K 4L
        CA004 4P 4Q

J6          CONNECTOR
            A02   CA004EG6
            B04   CA004EM6
            C02   CA004EJ6
            C04   CA004EK6
            D02   CA004EM2
            D04   CA004EM6
            E02   CA004DD2

K1          CONNECTOR
            A13   DK974GG2
            B11   CK003SA4
            B13   DG976EJ6

K2          QUAD    CARD
K3          8218968 6816
K4
K5

        CL001 00 01 02 03 04 05
              06 07 08 09 0A 0B
        CL002 0C 0D 0E 0F 0G 0H
              0J 0K 0L
        CC002 0M 0N 0P 0Q
        CL002 0R
        CL004 0S 0T
        CL005 0U 0V
        CS007 0W
        CL004 1C
        CL003 1D 1E 1F 1G 1H 1J
              1K 1L 1M 1N 1P 1Q
              1R 1S 1T 1U 1V
        CL004 1W 1X 20 21 22 23
              24 25 27 28 29 2J
              2K 2L 2M 2N 2P
        CL005 2Q 2S 2U 2V 2W 2X
              2Z 30 34 35 36 37
        CQ001 39 40
        CL003 44 45 46
        CL005 48 4B 4C
        CL004 4E 4F
        CL005 4G 4H 4J
        CC008 4K 4L
        CL005 4M 4N

K6          CONNECTOR
            A04   CG001CK6
            B02   DG977GK6
            B04   DK977GK6

L1          CONNECTOR
            D11   DF974FK6
            D13   CK001GB2
            E11   CK001GF2

L2          QUAD    CARD
L3          8218969 6823
L4
L5

        CP006 00
        CP007 01
        CP006 02
        CP007 03
        CU014 05
        CP006 06 07 08
        CU005 09
        CP006 0A
        CU005 0B
        CP006 0C
        CU005 0D
        CP006 0E
        CU005 0F
        CP006 0G
        CU005 0H
        CP007 0J
        CU005 0K

        CP007 0L 0M 0N 0P 0Q 0R
              0S 0T 0U 0V
        CU005 0W
        CP007 0X
        CU005 0Y 02 10 11
        CU006 12 13 14 15 16 17
              18 19 1B 1C 1D 1E
              1F 1G
        CU009 1H 1J
        CUC10 1K 1L
        CU014 1M
        CU010 1N 1P 1Q 1R 1S 1T
        CU014 1U 1V 1W
        CU006 1X 1Y 1Z 20
        CU014 21
        CU006 22
        CU009 23
        CU014 24 25 26
        CU009 27
        CU014 28 29 2A 2B 2C 2D
        CK007 2E
        CU014 2F 2G 2H
        CU010 2P 2Q 2R 2S 2T 2U
              2V 2W 2X 2Y 2Z 30
              31 32 33 34 35 36
              37 38 39 3A 3B 3C
              3D 3E 3J 3K 3V 3W
              3X 40 41 42
        CP006 44
        CU010 45 46 47
        CU005 50 51
        CS007 52
        CU010 53 54 55
        CK007 56
        CP007 57 58
        CU010 5A
        CP006 5B
        CP007 5E
        CK007 5F

L6          CONNECTOR
            D02   CS001DM2
            D04   CS007CH2
            E02   CS007SD4

M1          CONNECTOR
            A13   CK001GD2
            B11   CK002DA2
            B13   CK002DB2
            C11   CK002DC2
            C13   CK002DD2
            D11   CK002DH2
            E13   CK002DJ2

M2          QUAD    CARD
M3          5857418 6818
M4
M5

        CU014 00
        CP002 01 02 03 04 05 06
              07 08 09 0A 0B 0C
              0D 0E 0F 0G 0H 0J
              0K 0L 0M 0N 0P 0Q
              0R 0S 0T 0U 0V 0W
              0X 0Y 02 10 11 12
              13 14
        CP003 15 16 17 18 19 1A
              1B 1C 1D 1E 1F 1G
              1H 1J 1K 1L 1M
        CP004 1N 1P 1Q 1R 1S 1T
              1U 1V 1W 1X 1Y 1Z
              20 21
        CP005 22 23
        CS001 24
        CP005 25 26 27 28 29 2A
              2B
        CU015 2C
        CP005 2D 2E 2F 2G 2H 2J
              2K 2L
        CP006 2M
        CS001 2N 2P 2Q
        CP007 2R 2S 2T
        CS001 2U 2V
        CU014 2W 32
        CC008 31
        CP005 32
        CU014 33 35 38 39 3C 3D
```

```
        SOCKET LISTING
   DATE 11-05-80  MACH. 3705

 LOG. 858          BOARD 010-83
PREV. ENGR.  -  -
PRES. ENGR. 10-14-80  344270
P.N. 1986966

IBM CORP.   SDD   BLK.
```

```
          3E 3F 3G 3H 3J 3K
          3L 3M
   CU015  3N 3P 3Q 3V 3Y 3Z
          40 41 42 43 45 46
          47
   CU010  4C
   CU014  50 51 52 60 61 AW
          RY
```

```
M6          CONNECTOR
            A04   CS007EB2
            B02   CS007EE2
            B04   CS007EF2
            C02   CS007EG2
            C04   CS007FC6
            D02   CS007FD6
            E04   CQ004DE2
```

```
N1          CONNECTOR
            A11   CK002DK2
            A13   CK002DL2
            B11   CK003FF2
            B13   DP992GL2
            C11   DR992GL2
            D13   DK974FK6
            E11   DR992ED2
            E13   CP001FB2
```

```
N2          QUAD   CARD
N3          8231436 6819
N4
N5

   CK003 00 01 02 03 04
   CU001 05
   CK003 06 07 08 09 0A 0B
         0C 0D 0E 0F 0G 0H
         0J 0K 0L 0M 0N
   CK004 0P 0Q 0R 0S 0T 0U
         0V
   CK005 0W 0X 0Y
   CK006 0Z 10 11 12 13 14
   CK007 15
   CK004 16 17 18
   CK007 19
   CK004 1A 1B 1C 1D
   CK007 1E 1F
   CP005 1G 1H
   CK005 1J 1K 1L 1M
   CU001 1N 1P 1Q 1R 1S 1T
         1U 1V 1W 1X 1Y 1Z
         20 21 22 23 24
   CK006 25 26
   CU001 27 28 29 2A 2B 2C
         2D 2E 2F
   CK006 2G
   CU001 2H 2J
   CU013 2K 2L 2M
   CK006 2N
   CU013 2P 2Q 2R 2S 2T 2U
   CK006 2W 2X 2Y 2Z 30 31
         32 33 34 35 36 37
         38 39 3A 3B 3C 3D
         3E 3F 3G 3H 3J
   CK007 3K 3L 3M 3N 3P
   CU013 3Q 3R
   CU001 3S 3T
   CK003 52
   CU001 58 59
   CK003 5A
   CU001 5B 5C 5D
   CK003 5E
   DG976 5F
   DK976 5G
   CK007 5H
   CK003 5J 5K
```

```
N6          CONNECTOR
            A02   CQ004FE6
            A04   CC001FC2
            B02   CC006DF9
            B04   CC006BM6
            C02   CC007HK4
            D04   CC006FG1
            E02   CC006FG2
            E04   CC006FG3
```

```
P1          CONNECTOR
            E11   CA003BB0
            E13   CD001DK6
```

```
P2          QUAD   CARD
P3          8231257 6820
DP4
ZP5
0
0     CS003 00 01
1     CU003 02
      CS004 03
      CS005 04
```

```
   CU007 05
   CS005 06 07 08 09 0A 0B
         0C 0D 0E 0F 0G 0H
   CU003 0L 0M 0N 0P 0Q 0R
         0S 0T 0U 0V 0W 0X
         0Y 0Z 10 11 12 13
         14 15 16 17
   CU004 18
   CU003 19 1A 1B 1C 1D 1E
   CS005 1F
   CU003 1G
   CU004 1H 1J 1K 1L 1M 1N
         1P 1Q 1R 1T 1U 1V
   CU006 1W 1X 1Y 1Z 20 21
   CU007 22 23 24 25 26 27
         28 29 2A 2B 2C 2D
         2E 2F 2G 2H 2J 2K
         2L 2M
   CU004 2N 2P
   CU003 2Z 30 32
   CU004 36
   CU007 39
   CU004 3A
   CS005 3B
   CU006 3C 3D 3E
   CU007 3F
   CU003 3H
   CU007 3J
   CU003 3K
```

```
P6          CONNECTOR
            E02   CV001ME4
            E04   CV001FG2
```

```
Q1          CONNECTOR
            A11   CD002CB2
            B13   CD002CC6
            C11   CD002DA2
            C13   CD002DF2
            D11   CD002DH2
            D13   CD003AH6
            E11   CD003AJ6
```

```
Q2          QUAD   CARD
Q3          8239399 6821
Q4
Q5

   CC0008 00 01
   CC0002 02 03 04 05
   CC0003 06
   CC0002 07
   CC0003 08 09
   CQ001 0A
   CC0003 0B 0C 0D 0E 0F
   CS001 0G
   CC0003 0H 0J 0K 0L
   CS001 0M
   CC0003 0N 0P 0Q
   CS001 0R
   CC0003 0S 0T 0U 0V 0X
   CS001 0Y 0Z
   CC004 11 12 13 14 15 16
         17 18 19 1A 1B 1C
         1D 1E 1F 1G 1H 1J
         1K 1L 1M 1N 1P 1Q
   CC005 1R 1S 1T 1U 1W 1X
         20 21
   CC008 22 23 24 25 26 27
         28 29 2A 2B 2C 2D
         2E 2F 2G 2H 2J 2K
   CQ001 2L 2M 2N 2P 2Q 2R
         2S 2T
   CQ002 2U 2V
   CQ001 35
   CC008 36
   CC002 3M 3N
```

```
Q6          CONNECTOR
            A02   CV061EK2
            B04   CV061FB2
            C02   CQ001EA2
            C04   DP9935A4
            D04   DR9935A4
            D02   DG971AJ4
            E02   DP992ED2
```

```
R1          CONNECTOR
            A13   CD003BF2
            B11   CD003BG6
            B13   CD003AA6
            C11   CD003BK2
            C13   CD003BN6
            D11   CD003CG2
            E13   CD003CM6
```

```
R2          QUAD   CARD
R3          8252021 AB92
R4
```

```
R5

   CC001 00 01 02 03 04 05
         06 07 08 09 0A 0B
         0C 0D 0E 0F 0G 0H
         0J 0K 0L 0M 0N 0P
         0Q
   CC005 0R 0S 0T 0U
   CC001 0V 0W
   CC005 0X
   CC006 0Y 0Z 10 11 12 13
         14 15 16 17 18 19
         1A 1B 1C 1D
   CC007 1E 1F 1G 1H 1J 1K
         1L 1M 1N 1P 1Q 1R
         1S 1T 1U 1V 1W
   CC006 1X 1Y 1Z 20 21 22
         23 24 25 26 27 28
         29
   C5007 2A 2B 2C 2D
   CC006 2E 2F 2G 2H 2J
   CC007 2K 2L
   CD002 2M
   CQ001 2N 2P 2Q 2R 2S 2T
         2U 2V 2W
   CQ002 2X 2Y 2Z
   CC007 30
   CQ002 31 32 33 34 35 36
         37 38 39 3A 3B 3C
         3D 3E
   CC007 3F 3G
   C5007 3H 3J 3K 3L
   CC006 3M 3N 3P
   CC007 3Q 3R
   CQ001 3S
   CC007 3T 3U 3X 3Y
   CQ001 45 46
   CC007 5R
   CC006 5R
   CC001 5B
   CC007
```

```
R6          CONNECTOR
            A04   CC006AU4
            B02   CC006AV4
            B04   CC006AW4
            C02   CC006BJ4
            C04   CC006BK4
            D02   CC006BL4
            E04   CU011DA4
```

```
S1          CONNECTOR
            A11   CD003CN6
            A13   CD003FF2
```

```
S2          QUAD   CARD
S3          8233247 Y703
S4
S5

   CK001 00
   CR004 01
   CR001 02 03
   CK001 04
   CR001 05 06 07 08 09 0A
         0B 0C
   CK001 0D
   CR001 0E 0F 0G
   CK001 0H
   CR001 0J
   CK001 0K 0L 0R 0N 0P 0Q
   CR001 0R
   CK001 0S 0T 0U 0V
   CR001 0W
   CK001 0X 0Y
   CK002 0Z 10 11 12 13 14
         15 16 17 18 19 1A
         1B 1C 1D 1E
   CR001 1F
   CR006 1G 1H 1J 1K 1L 1M
         1N 1P
   CR007 1Q 1R 1S 1T 1U 1V
         1W 1X
   CK001 1Y
   CR004 22 23
   CK001 24
   CR001 25 26 27 28 29 2A
         2B 2C 2D 2E 2F 2G
         2H 2J 2K 2L 2M 2N
         2P 2Q 2R 2S 2T 2U
         2V
   CR002 2W 2X 2Y 2Z 30 31
         32 33 34 35 36 37
         38 39 3A 3B 3C 3D
         3E 3F 3G
   CR008 3H 3J 3K 3L 3M 3N
         3P 3Q
   CR002 3R
   CR007 3S 3T 3U 3V 3W 3X
         3Y 3Z
   CR005 43 44 45 46 47 48
         49 4A 4B 4C 4D 4E
         4F 4G 4H 4J
   CR008 4K 4U
   CR003 4W
   CU013 53
   CR008 54 55
   CK001 6F
   CR001 6H 6J
   CK001 6K 6L
   CR003 6M 6N 6Q 7D
   CR004 7F
   CR006 7P 7Q 7Z
```

```
S6          CONNECTOR
            A02   CU011DC4
            A04   CU013CF6
```

```
T1          CONNECTOR
            A11   CU001EJ6
            A13   CU001EK6
            B11   CU001FM6
            C13   CU001EC2
            D11   CU001EE2
            D13   CU001EG2
            E11   CU016GG6
            E13   CU010BE4
```

```
T2          SINGLE CARD
            5857404 6804

   AP001 00 01 02 03
   AP005 05 06 07 08 09 0A
   AP001 0C
   AP005 0D 0E
   AP001 0F
   AP005 0G 0H
   AP001 52
   AP005 54
   AP001 55
   AP005 56 57 58
   AP001 59
   AP005 5A 5B
   AP001 5C
   AP007 5E 5F 5G 5H
```

```
T3          SINGLE CARD
            5857404 6804

   AP001 00 01 02 03
   AP002 04 05 06 07 08 09
         0A 0B
   AP001 0C
   AP002 0D 0E
   AP001 0F
   AP002 0G 0H
   AP001 52
   AP002 53 54
   AP001 55
   AP002 56 57 58
   AP001 59
   AP002 5A 5B
   AP001 5C
   AP002 5D
```

```
T4          DOUBLE CARD
T5          5857424 6824

   CP001 00 01 02 03 04 08
         0A
   CP001 0N 0S 0U 0X 0Y 02
         10 11 12 13 14 15
         16 17 18 19 1A 1B
         1C 1D 1E 1F 1G 1H
         1J 1N 1P 1Q 1R 1S
         20 21 22
```

```
T6          CONNECTOR
            A02   CU011DD4
            A04   CU011DE4
            B02   CU011DG4
            C04   CU011DJ4
            D02   CU011DK4
            D04   CU011DL4
            E02   CU011DM4
            E04   CU011DN4
```

```
U1          CONNECTOR
            A11   CU001EK6
            B13   CU001EL6
            C11   CP001GD2
            C13   CP001FG6
            D11   CP001FJ2
            D13   CP001FK6
            E11   CP001FM6
```

```
U2          SINGLE CARD
            5852589 2589

   AP008 A1
```

```
U2          AP003 B1 C1 D1 E1
            AP008 F1
            AP003 G1 H1 J1 K1
            AP007 L1 M1
            AP005 N1 P1 Q1 S1

                  UNUSED PORTIONS

                  T U
```

```
U3          SINGLE CARD
            5852589 2589

   AP004 A1 B1 C1 D1 E1 F1
   AP008 G1 H1
   AP007 J1 K1
   AP008 L1 M1 N1 P1 Q1 S1

                  UNUSED PORTIONS

                  T U
```

```
U4          SINGLE CARD
            5852589 2589

   AP001 A1 B1 C1 D1
   AP006 E1 F1 G1 H1 J1 K1
         L1 M1 N1 P1 Q1 S1

                  UNUSED PORTIONS

                  T U
```

```
U5          SINGLE CARD
            8239414 AB85

   AP008 03
   CU010 04
   CS007 05
   CC007 0N
```

```
U6          CONNECTOR
            A02   CU013EF6
            B04   CU012DC4
            C02   CU012DD4
            C04   CU012DE4
            D02   CU012DG4
            D04   CU012DJ4
            E02   CU012DK4
```

```
V1          CONNECTOR
            A13   CP002GK6
            B11   CU010FM2
            B13   AP008DP4
```

```
V2          CONNECTOR
            B02   AP009AM4
            B04   AP011AM4
            B05   AP012AC4
            B06   AP012AF4
            B08   AP012AJ4
            B09   AP012AM4
            B10   AP013AC4
            B12   AP013AF4
            B13   AP013AJ4
            D02   AP013AM4
            D03   AP014AC4
            D05   AP010AJ4
            D06   AP014AJ4
            D07   AP014AM4
            D09   AP015AC4
            D10   AP015AF4
            D11   AP015AJ4
            D13   AP015AM4
```

```
V3          CONNECTOR
            B02   AP010AM4
            B04   CC003BH6
            B05   CC003BJ6
            B06   CC003BL6
            B08   CC003CH6
            B09   CC003CJ6
            B10   CC003CL6
            B12   CC003EB6
            B13   CC003EL6
            D02   CC004EA6
            D03   CC004EE6
            D05   CD004AB2
            D06   CP002CM6
            D07   CQ001DK2
            D09   CU003GL6
            D10   DM005DL4
            D11   CS006CD6
            D13   CU016GJ6
```

```
V4          CONNECTOR
            B06   CU017GJ2
            B08   CU006CB6
```

```
V4          B09   CU017FC6
            B10   CU017GE6
            B12   AM003DM1
            B13   CU016GL6
            D07   CU017FG2
            D09   CU017EA6
            D10   CU017FA6
            D11   CU017GA6
            D13   CU017GC6
```

```
V6          CONNECTOR
            A04   CU012DL4
            B02   CU012DN4
            B04   CU013GF6
```

PLUG LIST

PART NO	PCC	TYPE	SOCKETS	TOTAL
5852589		2589	U2 U3 U4	03
5857404		6804	T2 T3	02
5857415		6815	J2	01
5857418		6818	M2	01
5857424		6824	T4	01
8218933	SCAN	6808	D2	01
8218939	SCAN	6809	E2	01
8218968		6816	K2	01
8218969		6823	L2	01
8231436		6819	N2	01
8233246		Y702	G2	01
8233247		Y703	S2	01
8233257		6820	P2	01
8235942		6810	F2	01
8239399		6821	Q2	01
8239414		AB85	U5	01
8250103		AB91	H2	01
8252021		AB92	R2	01
8254627		CF99	C4	01
	CONN	P1 A2 A3 A4		47
		A5 A6 B1 B6		
		C1 C6 D1 D6		
		E1 E6 F1 F6		
		G1 G6 H1 H6		
		J1 J6 K1 K6		
		L1 L6 M1 M6		
		N1 N6 P1 P6		
		Q1 Q6 R1 R6		
		S1 S6 T1 T6		
		U1 U6 V1 V2		
		V3 V4 V6		

```
SOCKET LISTING
DATE 11-05-80  MACH. 3705

LOC  868              BOARD 01A-B3
PREV. ENGR.  --  --
PRES. ENGR. 10-14-80  344270
P.No 1985966

IBM CORP.   SDD   BLK.
```

D2 0 0 0 1 000

```
A1          CONNECTOR
            D11   DN004GB2
            D13   DN004GD2
            E11   DN004GF2
------------------------------
A2          SINGLE CARD
            8231695 6799

      DS004 00 01 02 03 04 05
            06 07 08 09 0A 0B
            0C 0D 0E 0F 0G 0H
      DS005 0J 0K 0L
      DS004 0Q 0R 0S 0T 0U 0V
            0W 0X 0Y 0Z 1A
------------------------------
A3          SINGLE CARD
            8231695 6799

      DS002 00 01 02 03 04 05
            06 07 08 09 0A 0B
            0C 0D 0E 0F 0G 0H
      DS003 0J 0K 0L
      DS002 0Q 0R 0S 0T 0U 0V
            0W 0X 0Y 0Z 1A
------------------------------
A4          SINGLE CARD
            8231437 6797

      DB101 00 01 02 03 04 05
            06 07 08 09 0A 0B
            0C 0D 0E 0F 0G 0H
            0J 0L
------------------------------
A5          CONNECTOR
            B02   AA005DB2
            B04   AA005DB4
            B05   AA005DC7
            B06   AA005DC1
            B08   AA005DC3
            B09   AA005DD2
            B10   AA005DD4
            B12   AA005DC5
            B13   AA005DD6
            D02   AA005DE1
            D03   AA005DE3
            D05   AA005DE5
            D06   AA005DE7
            D07   AA005DF2
            D09   AA005DF4
            D10   AA005DF6
            D13   AA005DF8
------------------------------
A6          CONNECTOR
            D02   AP008AA6
            D04   CQ001CD2
            E02   CQ005CJ6
**********************************
B1          CONNECTOR
            A13   DN004GH2
            B11   DN004GK2
            B13   DP991GB6
            C11   DP991GE6
            C13   DP992GA6
            D11   DQ004GB2
            E13   DQ004GD2
------------------------------
B2          SINGLE CARD
            8231437 6797

      DS001 00 01 02 03 04 05
            06 07 08 09 0A 0B
            0C 0D 0E 0F 0G 0H
            0J 0L
------------------------------
B6          CONNECTOR
            A04   CQ005CL6
            B02   CU010GM6
            B04   AA002DF1
            C02   CP005DP4
            C04   AA002DF5
            D02   AA002DF7
            E04   CS002DK6
**********************************
C1          CONNECTOR
            A11   DQ004GF2
            A13   DQ004GH2
            B11   DQ004GK2
            B13   DR991GB6
            C11   DR991GE6
            D13   DR992GA6
            E11   DS001EL2
            E13   DG974FK6
------------------------------
DC2         DOUBLE CARD
ZC3         8252018 AB93
0
0     DE976 00
2     CG001 01 02 03 04 05 06
            07 08 0A 0B
      CM002 0C 0D 0E
```

```
      CG001 0F 0G 0L
      CS005 0M 0N 0P 0Q 0R 0S
      CG001 0T
      CS005 0U 0V
      CP001 23 24
------------------------------
C6          CONNECTOR
            A02   CP005AB4
            A04   AA002DN2
            B02   AA002DN4
            B04   AA002DN6
            C02   DF002GF4
            D04   CQ004DM2
            E02   CQ004FH2
            E04   CQ005FL6
**********************************
D1          CONNECTOR
            E11   DG976EA6
            E13   DG974EB6
------------------------------
D2          QUAD   CARD
D3          8218932 6798
D4
D5

      CV041 00 01 02 03 04 05
      CV001 1S 1T 1U 1V 1W 1X
            1Y 1Z 20 21 22 23
            24 25 26 27 28 29
      CV011 2A 2B
            2C 2D 2E 2F 2G 2H
            2J
      CV051 2K 2L 2M 2N 2P 2Q
            2R 2S 2T 2U 2V 2W
            2X 2Y 22 30 31 32
            33 34
      CV061 35 36 37 38 39 3A
            3B 3C 3D 3E 3F 3G
            3H 3K 3L 3M 3N 3P
            3Q 3R 3S
      CV001 3W 3X 3Y 3Z 40 41
            42
      CV011 43 44 45 46 47
      CV021 48 49 4A 4B
      CV031 4C 4D 4E 4F
      CV061 4G 4H 4K 4L 4M 4N
      CV001 50 51 52 53 5H 77
            78 79
      CV051 7A
      CV061 7D
------------------------------
D6          CONNECTOR
            E02   CS002BK4
            E04   CP003DD6
**********************************
E1          CONNECTOR
            A11   DG974EH6
            B13   DH014GB6
            C11   DH014GF6
            C13   DH014GK6
            D11   DJ014GB6
            D13   DJ014GF6
            E11   DJ014GK6
------------------------------
E2          QUAD   CARD
E3          8250101 AB89
E4
E5

      DS001 00 01
      CM003 02 03
      CM002 04 05 06 07 08 09
      DN005 0A 0B 0C 0D 0E 0F
            0G 0H
      CM003 0J 0K
      CM002 0L 0M 0N 0P 0Q 0R
            0S 0T 0U
      DN005 0V 0W 0X 0Y 0Z 10
            11 12
      CM003 13 14 15 16
      AJ002 17
      CM003 18 19
      CM002 1A 1B 1C
      CM003 1D 1E
      CM002 1F 1G 1H 1J
      CM003 1K
      AJ002
------------------------------
E6          CONNECTOR
            A02   AJ001AB4
            B04   AJ001FC4
            C02   AJ001FD4
            C04   AJ001EC4
            D02   CG001BF2
            D04   CQ005DK6
            E02   CS004GH2
**********************************
F1          CONNECTOR
            A13   DK976EA6
            B11   DK974EB6
```

```
            B13   DK974EH6
            C11   DL004GB6
            C13   DL004GF6
            D11   DL004GK6
            E13   DM004GB6
------------------------------
F2          SINGLE CARD      RDS1
            8211470 7593

      CW011 00
      CW012 01
      CW011 02
      CW012 04 05 06 07 08 09
            0A 0B 0C 0D 0E 0F
            0G 0H 0J 0K 0L 0M
      CW011 0N 0P 0Q 0R 0S 0T
            0U 0V
      CW012 0W 0X
      CW011 0Y 0Z
------------------------------
F5          SINGLE CARD
            5862885 N685

      DW001 11 13 17 19 1B 1D
            1E 1F 1G 1H 1J 1K
            1L 1M 1Y
------------------------------
F6          CONNECTOR
            A04   CQ005DC6
            B02   CU005CB2
            B04   AP001CB4
            C02   AP001CC4
            C04   DM001EK2
            D02   CM001BB6
            E04   CM001DD2
**********************************
G1          CONNECTOR
            A11   DM004GF6
            A13   DM004GK6
------------------------------
G2          QUAD   CARD
G3          8250102 AB90
G4
G5

      DN003 00 01 02 03 04 05
            06 07
      DN004 08
      DN001 09 0A
      DP994 0B
      DN002 0C 0D
      DN001 0E 0F
      DP992 0G
      DP991 0H 0J
      DP992 0K 0L
      DN001 0M 0N 0P 0Q 0R 0S
      DN002 0T 0U 0V 0W
      DP994 0X
      DP993 0Y 0Z
      DP994 10 11
      DN002 12
      DP993 13
      DP991 14
      DN004 15
      DP992 16
      DN004 17
      DP994 18
      DN004 19
      DP994 1A 1B
      DP992 1C
      DP994 1D 1E 1F
      DP992 1G
      DP994 1H 1J 1K 1L
      DN004 1M
      DP993 1N
      DN002 1P
      DN001 1Q
      DP992 1R
      DN002 1S
      DP992 1T
      DP994 1U
      DP993 1V 1W
      DP991 1X 1Y 1Z
      DN002 20
      DP993 21 22 23
      DN004 24 25 26
      DP994 27
      DP991 28
      DP992 29
      DN003 2A 2B
      DN004 2C
      DP994 2E
      DP993 2F
      DP991 2G 2H 2J 2K
      DN002 2L
      DP991 2M 2N
      DN002 2P
      DP991 2Q 2R 2S
      DN002 2T
      DP992 2U 2V
      DN002 2W
      DP992 2X 2Y
      DN004 2Z
      DP992 30 31 32 33 35
      DP993 37
      DP994 38 3C
      DP991 3D
      DP992 3E 3F 3G 3H
      DP993 3J
      DN001 3K 3L
      DP992 3M 3N 50 51
      DP993 53
------------------------------
G6          CONNECTOR
            A04   CQ001GL2
**********************************
H1          CONNECTOR
            A11   CA003HE6
            A13   CA003HH2
            B11   CA003HL2
            C13   CA004BA2
            D11   CA004EB6
            D13   CA004EC6
            E11   CA004EE6
            E13   CA004EF6
------------------------------
H2          QUAD   CARD
H3          8250102 AB90
H4
H5

      DQ003 00 01 02 03 04 05
            06 07
      DQ004 08
      DQ001 09 0A
      DR994 0B
      DQ002 0C 0D
      DQ001 0E 0F
      DR992 0G
      DR991 0H 0J
      DR992 0K 0L
      DQ001 0M 0N 0P 0Q 0R 0S
      DQ002 0T 0U 0V 0W
      DR994 0X
      DR993 0Y 0Z
      DR994 10 11
      DQ002 12
      DR993 13
      DR991 14
      DQ004 15
      DR992 16
      DQ004 17
      DR994 18
      DQ004 19
      DR994 1A 1B
      DR992 1C
      DR994 1D 1E 1F
      DR992 1G
      DR994 1H 1J 1K 1L
      DQ004 1M
      DR993 1N
      DQ002 1P
      DQ001 1Q
      DR992 1R
      DQ002 1S
      DR992 1T
      DR994 1U
      DR993 1V 1W
      DR991 1X 1Y 1Z
      DQ002 20
      DR993 21 22 23
      DQ004 24 25 26
      DR994 27
      DR991 28
      DR992 29
      DQ003 2A 2B
      DQ004 2C
      DR994 2E
      DR993 2F
      DR991 2G 2H 2J 2K
      DQ002 2L
      DR991 2M 2N
      DQ002 2P
      DR991 2Q 2R 2S
      DQ002 2T
      DR992 2U 2V
      DQ002 2W
      DR992 2X 2Y
      DQ004 2Z
      DR992 30 31 32 33 35
      DR993 37
      DR994 38 3C
      DR991 3D
      DR992 3E 3F 3G 3H
      DR993 3J
      DQ001 3K 3L
      DR992 3M 3N 50 51
      DR993 53
------------------------------
H6          CONNECTOR
```

```
            A02   DK976EJ6
            A04   CQ004FJ6
            B02   CS004BK6
            C04   CS004BM2
            D02   CS004CA6
            D04   CS004DB2
            E02   CS004ED2
            E04   CS004FG2
**********************************
J1          CONNECTOR
            A11   CA004EG6
            B13   CA004EH6
            C11   CA004EJ6
            C13   CA004EK6
            D11   CA004EM2
            D13   CA004EM6
            E11   CA004DD2
------------------------------
J2          QUAD   CARD
J3          5857401 6801
J4
J5

      DF002 00 01
      DF974 02 03
      DF002 04
      DF971 05 06 07 08 09 0A
            0B
      DF002 0C 0D 0E 0F
      DF003 0G 0H
      DF974 0J 0K
      DF003 0L
      DF975 0M 0N 0P
      DF003 0Q
      DF008 0R 0S 0T 0U 0V 0W
            0X 0Y 0Z
      DF976 10
      DF977 11
      DF976 12
      DF977 13 14
      DF974 15
      DF976 16
      DF008 17
      DF009 18 19
      DF974 1A
      DF976 1B
      DF009 1C 1D 1E 1F 1G 1H
      DF974 1J
      DF009 1K 1L
      DF974 1M
      DF971 1N 1P
      DF976 1Q
      DF002 1R 1S 1T
      DF003 1U 1V
      DF008 1W
      DF975 1X 1Y
      DF974 1Z
      DF976 20 21 22 23
      DF008 24 25 26
      DF009 27
      DF976 28 29
      DF009 2A 2B 2C
      DF974 2D
      DF976 2E
      DF977 2F
      DF002 2G
      DF971 2H 2J 2K
      DF002 2L
      DF971 2M
      DF976 2N
      DF971 2P 2Q 2R
      DF002 2S
      DF008 2T 2U
      DF976 2V
      DF977 2W
      DF976 2X 2Y 2Z
      DF008 30 31
      DF009 32 33
      DF974 34
      DF009 35 36
      DF976 37 39
      DF971 3D 3E 3F
      DF976 3G
      DF977 3H
      DF976 3J 3K 3L 3M
      DF974 3N 3P 3Q
      DF975 3R
      DF974 3S 3T 3U
      DF975 3V 52
      DF976 53
      DF977 54
      DF975 55 57
      DF977 D1
      DF976 D3
      DF002 D4 D5 D6
      DF974 D7
------------------------------
J6          CONNECTOR
            A02   CS004FJ2
            B04   CS005SA4
```

```
            C02   CS005SC4
            C04   CS005CA6
            D02   CS005CC6
            D04   CK003CC4
            E02   DG974GG2
**********************************
K1          CONNECTOR
            A13   CG001CK6
            B11   DG977GK6
            B13   DK977GK6
------------------------------
K2          QUAD   CARD
K3          5857401 6801
K4
K5

      DG002 00 01
      DG974 02 03
      DG002 04
      DG971 05 06 07 08 09 0A
            0B
      DG002 0C 0D 0E 0F
      DG003 0G 0H
      DG974 0J 0K
      DG003 0L
      DG975 0M 0N 0P
      DG003 0Q
      DG008 0R 0S 0T 0U 0V 0W
            0X 0Y 0Z
      DG976 10
      DG977 11
      DG976 12
      DG977 13 14
      DG974 15
      DG976 16
      DG008 17
      DG009 18 19
      DG974 1A
      DG976 1B
      DG009 1C 1D 1E 1F 1G 1H
      DG974 1J
      DG009 1K 1L
      DG974 1M
      DG971 1N 1P
      DG976 1Q
      DG002 1R 1S 1T
      DG003 1U 1V
      DG008 1W
      DG975 1X 1Y
      DG974 1Z
      DG976 20 21 22 23
      DG008 24 25 26
      DG009 27
      DG976 28 29
      DG009 2A 2B 2C
      DG974 2D
      DG976 2E
      DG977 2F
      DG002 2G
      DG971 2H 2J 2K
      DG002 2L
      DG971 2M
      DG976 2N
      DG971 2P 2Q 2R
      DG002 2S
      DG008 2T 2U
      DG976 2V
      DG977 2W
      DG976 2X 2Y 2Z
      DG008 30 31
      DG009 32 33
      DG974 34
      DG009 35 36
      DG976 37 39
      DG971 3D 3E 3F
      DG976 3G
      DG977 3H
      DG976 3J 3K 3L 3M
      DG974 3N 3P 3Q
      DG975 3R
      DG974 3S 3T 3U
      DG975 3V 52
      DG976 53
      DG977 54
      DG975 55 57
      DG977 D1
      DG976 D3
      DG002 D4 D5 D6
      DG974 D7
------------------------------
K6          CONNECTOR
            A04   DK974GG2
            B02   CK003SA4
            B04   DG976EJ6
**********************************
L1          CONNECTOR
            D11   CS001DM2
            D13   CS007CH2
            E11   CS007SD4
```

```
L2          QUAD   CARD
L3          5857402 6802
L4
L5

      DH014 00 01 02
      DH002 03 04 05
      DH014 06
      DH016 07 08
      DH014 09 0A
      DH011 0B 0C 0D 0E 0F 0G
      DH002 0H 0J 0K
      DH014 0L 0M
      DH002 0N 0P 0Q 0R
      DH003 0S 0T
      DH011 0U
      DH016 0V
      DH011 0W 0X
      DH003 0Y
      DH017 0Z 10 11 12 13
      DH003 14 15
      DH011 16 17 18
      DH003 19 1A
      DH008 1B
      DH016 1C 1D
      DH011 1E 1F 1G
      DH017 1H 1J 1K 1L 1M
      DH015 1N 1P 1Q 1R
      DH014 1S
      DH008 1T 1U 1V 1W 1X 1Y
      DH014 1Z
      DH016 20 21 22 23 24 25
            26 27
      DH014 28 29 2A
      DH015 2B
      DH008 2C 2D 2E
      DH009 2F 2G 2H 2J 2K 2L
            2M 2N
      DH015 2P 2Q 2R
      DH009 2S 2T
      DH010 2U 2V 2W 2X
      DH015 2Y
      DH016 2Z
      DH014 30
      DH010 31 32 33 34 35 36
      DH002 37 38 39
      DH003 3A 3B 3C
      DH008 3D 3E 3F 3G
      DH009 3H
      DH011 3J 3K 3L
      DH009 3M 3N 3P
      DH016 3Q 3R 3S 3T 3W
      DH015 3X
      DH010 3Y 3Z 40 41
      DH014 42 43 44 45
      DH002 46 47 48 49
      DH008 4A 4B 4C 4D
      DH009 4E 4F 4G 4H
      DH010 4J 4K 4L 4M
      DH002 4X 4Y 4Z
------------------------------
L6          CONNECTOR
            D02   DF974FK6
            D04   CK001GB2
            E02   CK001GF2
**********************************
M1          CONNECTOR
            A13   CS007EB2
            B11   CS007EE2
            B13   CS007EF2
            C11   CS007EG2
            C13   CS007FC6
            D11   CS007FD6
            E13   CQ004DE2
------------------------------
M2          QUAD   CARD
M3          5857402 6802
M4
M5

      DJ014 00 01 02
      DJ002 03 04 05
      DJ014 06
      DJ016 07 08
      DJ014 09 0A
      DJ011 0B 0C 0D 0E 0F 0G
      DJ002 0H 0J 0K
      DJ014 0L 0M
```

```
        SOCKET LISTING
  DATE 06-04-81   MACH.  3705
  LOG  288          BOARD 01A-B4
PREV. ENGR. 10-14-80  344270
PRES. ENGR. 06-02-81  344828
P.N.  1986967
IBM CORP.   SDD   BLK.
```

```
DJ002 0N 0P 0Q 0R
DJ003 0S 0T
DJ011 0U
DJ016 0V
DJ011 0W 0X
DJ003 0Y
DJ017 0Z 10 11 12 13
DJ003 14 15
DJ011 16 17 18
DJ003 19 1A
DJ008 1B
DJ016 1C 1D
DJ011 1E 1F 1G
DJ017 1H 1J 1K 1L 1M
DJ015 1N 1P 1Q 1R
DJ014 1S
DJ008 1T 1U 1V 1W 1X 1Y
DJ014 1Z
DJ016 20 21 22 23 24 25
      26 27
DJ014 28 29 2A
DJ015 2B
DJ008 2C 2D 2E
DJ009 2F 2G 2H 2J 2K 2L
      2M 2N
DJ015 2P 2Q 2R
DJ009 2S 2T
DJ010 2U 2V 2W 2X
DJ015 2Y
DJ016 2Z
DJ014 30
DJ010 31 32 33 34 35 36
DJ002 37 38 39
DJ003 3A 3B 3C
DJ008 3D 3E 3F 3G
DJ009 3H
DJ011 3J 3K 3L
DJ009 3M 3N 3P
DJ016 3Q 3R 3S 3T 3W
DJ015 3X
DJ010 3Y 3Z 40 41
DJ014 42 43 44 45
DJ002 46 47 48 49
DJ008 4A 4B 4C 4D
DJ009 4E 4F 4G 4H
DJ010 4J 4K 4L 4M
DJ002 4X 4Y 4Z
```

```
M6          CONNECTOR
            A04   CK001GD2
            B02   CK002DA2
            B04   CK002DB2
            C02   CK002DC2
            C04   CK002DD2
            D02   CK002DH2
            E04   CK002DJ2
************************
N1          CONNECTOR
            A11   CQ004FE6
            A13   CC001FC2
            B11   CC006DF9
            B13   CC006BM6
            C11   CC007HK4
            D13   CC006FG1
            E11   CC006FG2
            E13   CC006FG3
-----------------------------
N2          QUAD   CARD
N3          5857401 6801
N4
N5

      DK002 00 01
      DK974 02 03
      DK002 04
      DK971 05 06 07 08 09 0A
            0B
      DK002 0C 0D 0E 0F
      DK003 0G 0H
      DK974 0J 0K
      DK003 0L
      DK975 0M 0N 0P
      DK003 0Q
      DK008 0R 0S 0T 0U 0V 0W
            0X 0Y 0Z
      DK976 10
      DK977 11
      DK976 12
      DK977 13 14
      DK974 15
      DK976 16
      DK008 17
      DK009 18 19
D     DK974 1A
Z     DK976 1B
0     DK009 1C 1D 1E 1F 1G 1H
0     DK974 1J
2     DK009 1K 1L
      DK974 1M
      DK971 1N 1P
```

```
      DK976 1Q
      DK002 1R 1S 1T
      DK003 1U 1V
      DK008 1W
      DK975 1X 1Y
      DK974 12
      DK976 20 21 22 23
      DK008 24 25 26
      DK009 27
      DK976 28 29
      DK009 2A 2B 2C
      DK974 2D
      DK976 2E
      DK977 2F
      DK002 2G
      DK971 2H 2J 2K
      DK002 2L
      DK971 2M
      DK976 2N
      DK971 2P 2Q 2R
      DK002 2S
      DK008 2T 2U
      DK976 2V
      DK977 2W
      DK976 2X 2Y 22
      DK008 30 31
      DK009 32 33
      DK974 34
      DK009 35 36
      DK976 37 39
      DK971 3D 3E 3F
      DK976 3G
      DK977 3H
      DK976 3J 3K 3L 3M
      DK974 3N 3P 3Q
      DK975 3R
      DK974 3S 3T 3U
      DK975 3V 52
      DK976 53
      DK977 54
      DK975 55 57
      DK977 D1
      DK976 D3
      DK002 D4 D5 D6
      DK974 D7
```

```
N6          CONNECTOR
            A02   CK002DK2
            A04   CK002DL2
            B02   CK003FF2
            B04   DP992GL2
            C02   DR992GL2
            D04   DK974FK6
            E02   DR992ED2
            E04   CP001FB2
************************
P1          CONNECTOR
            E11   CV001HE4
            E13   CV001FG2
-----------------------------
P2          QUAD   CARD
P3          5857402 6802
P4
P5

      DL004 00 01 02
      DL002 03 04 05
      DL004 06
      DL006 07 08
      DL004 09 0A
      DL001 0B 0C 0D 0E 0F 0G
      DL002 0H 0J 0K
      DL004 0L 0M
      DL002 0N 0P 0Q 0R
      DL003 0S 0T
      DL001 0U
      DL006 0V
      DL001 0W 0X
      DL003 0Y
      DL007 0Z 10 11 12 13
      DL001 14 15
      DL003 19 1A
      DL008 1B
      DL006 1C 1D
      DL001 1E 1F 1G
      DL007 1H 1J 1K 1L 1M
      DL005 1N 1P 1Q 1R
      DL004 1S
      DL008 1T 1U 1V 1W 1X 1Y
      DL004 1Z
      DL006 20 21 22 23 24 25
            26 27
      DL004 28 29 2A
      DL005 2B
      DL008 2C 2D 2E
      DL009 2F 2G 2H 2J 2K 2L
            2M 2N
      DL005 2P 2Q 2R
      DL009 2S 2T
```

```
      DL010 2U 2V 2W 2X
      DL005 2Y
      DL006 2Z
      DL004 30
      DL010 31 32 33 34 35 36
      DL002 37 38 39
      DL003 3A 3B 3C
      DL008 3D 3E 3F 3G
      DL009 3H
      DL001 3J 3K 3L
      DL009 3M 3N 3P
      DL006 3Q 3R 3S 3T 3W
      DL005 3X
      DL010 3Y 3Z 40 41
      DL004 42 43 44 45
      DL002 46 47 48 49
      DL008 4A 4B 4C 4D
      DL009 4E 4F 4G 4H
      DL010 4J 4K 4L 4M
      DL002 4X 4Y 4Z
```

```
P6          CONNECTOR
            E02   CA003BB0
            E04   CD001DK6
************************
Q1          CONNECTOR
            A11   CV061EK2
            B13   CV061FB2
            C11   CQ001EA2
            C13   DP993SA6
            D11   DR993SA4
            D13   DG971AJ4
            E11   DP992ED2
-----------------------------
Q2          QUAD   CARD
Q3          5857402 6802
Q4
Q5

      DM004 00 01 02
      DM002 03 04 05
      DM004 06
      DM006 07 08
      DM004 09 0A
      DM001 0B 0C 0D 0E 0F 0G
      DM002 0H 0J 0K
      DM004 0L 0M
      DM002 0N 0P 0Q 0R
      DM003 0S 0T
      DM001 0U
      DM006 0V
      DM001 0W 0X
      DM003 0Y
      DM007 0Z 10 11 12 13
      DM003 14 15
      DM001 16 17 18
      DM003 19 1A
      DM008 1B
      DM006 1C 1D
      DM001 1E 1F 1G
      DM007 1H 1J 1K 1L 1M
      DM005 1N 1P 1Q 1R
      DM004 1S
      DM008 1T 1U 1V 1W 1X 1Y
      DM004 1Z
      DM006 20 21 22 23 24 25
            26 27
      DM004 28 29 2A
      DM005 2B
      DM008 2C 2D 2E
      DM009 2F 2G 2H 2J 2K 2L
            2M 2N
      DM005 2P 2Q 2R
      DM009 2S 2T
      DM010 2U 2V 2W 2X
      DM005 2Y
      DM006 2Z
      DM004 30
      DM010 31 32 33 34 35 36
      DM002 37 38 39
      DM003 3A 3B 3C
      DM008 3D 3E 3F 3G
      DM009 3H
      DM001 3J 3K 3L
      DM009 3M 3N 3P
      DM006 3Q 3R 3S 3T 3W
      DM005 3X
      DM010 3Y 3Z 40 41
      DM004 42 43 44 45
      DM002 46 47 48 49
      DM008 4A 4B 4C 4D
      DM009 4E 4F 4G 4H
      DM010 4J 4K 4L 4M
      DM002 4X 4Y 4Z
```

```
Q6          CONNECTOR
            A02   CD002CB2
            B04   CD002CC6
            C02   CD0C2DA2
            C04   CD002DF2
```

```
Q6          D02   CD002DM2
            D04   CD003AH6
            E02   CD003AJ6
************************
R1          CONNECTOR
            A13   CC006AU4
            B11   CC006AV4
            B13   CC006AW4
            C11   CC006BJ4
            C13   CC006BK4
            D11   CC006BL4
            E13   CU011DA4
-----------------------------
R2          QUAD   CARD
R3          5857407 6807
R4
R5

      CF002 00 03 04 05
      CF001 06 07 08 09 0A 0B
            0C 0D 0E 0F 0G 0H
      CF002 0J 0K 0L 0M 0N 0P
            0Q 0R 0S 0T 0U 0V
            0W 0X 0Y 0Z 10 11
            12 13 14 15 16 17
            18
      CF003 19 1A 1B 1C 1D 1E
            1F 1G 1H 1J 1K 1L
            1M 1N 1P 1Q 1R 1S
            1T 1U 1V 1W 1X 1Y
            20
      CF004 21 22 23 24 25 26
            27 28 29 2A 2B 2C
            2D 2E
      CF003 2F
      CF004 2G 2H
      DQ001 2J
      DQ002 2K 2L
      CF002 2M
      DQ002 2N 2P
      CF003 22
      CF004 33
      CF003 34
      CF004 36
      CF003 38 40
      CC003 4A 4B 4C
      CF004 4D
      CF002 4E
      CF003 4F 4G 4H 4J 4K 4L
            4M 4N 4P
```

```
R6          CONNECTOR
            A04   CD003BF2
            B02   CD003BG6
            B04   CD003AA6
            C02   CD003BK2
            C04   CD003BN6
            D02   CD003CG2
            E04   CD003CM6
************************
S1          CONNECTOR
            A11   CU011DC4
            A13   CU013CF6
-----------------------------
S6          CONNECTOR
            A02   CD003CN6
            A04   CD003FF2
************************
T1          CONNECTOR
            A11   CU011DD4
            A13   CU011DE4
            B11   CU011DG4
            C13   CU011DJ4
            D11   CU011DK4
            D13   CU011DL4
            E11   CU011DM4
            E13   CU011DN4
-----------------------------
T2          CONNECTOR
            B11   AJ001FD4
-----------------------------
T5          CONNECTOR
            B04   AJ001FC4
            D07   AJ001EC4
-----------------------------
T6          CONNECTOR
            A02   CU001EJ6
            A04   CU001EM6
            B02   CU001FM6
            C04   CU001EC2
            D02   CU001EE2
            D04   CU001EG2
            E02   CU016GG6
            E04   CU010BE4
************************
U1          CONNECTOR
            A11   CU013EF6
            B13   CU012DC4
            C11   CU012DD4
            C13   CU012DE4
```

```
U1          D11   CU012DG4
            D13   CU012DJ4
            E11   CU012DK4
-----------------------------
U2          SINGLE CARD
            8231689 6845

      AP012 00 01 02 03 04 05
            06 07
      AP013 08 09 0A 0B 0C 0D
            0E 0F
      AP014 0G 0H 0J 0K 0L 0M
            0N 0P
      AP015 0Q 0R 0S 0T 0U 0V
            0W 0X
-----------------------------
U3          SINGLE CARD
            8231689 6845

      AP010 00
      AP011 01 02
      AP010 03 04
      AP011 05 06
      AP010 07 08 09
      AP009 0A
      AP010 0C 0D
      AP009 0E 0H 0J 0K 0M 0N
            0P
-----------------------------
U4          CONNECTOR
            B02   DP992AE2
            B04   DN001BH2
            B05   DN001BK2
            B06   DH014GC2
            B08   DH014GG2
            B09   DH014GL2
            B10   DJ014GC2
            B12   DJ014GG2
            B13   DJ014GL2
            D02   DR992AE2
            D03   DQ001BH2
            D05   DQ001BK2
            D06   DL004GC2
            D07   DL004GG2
            D09   DL004GL2
            D10   DM004GC2
            D11   DM004GG2
            D13   DM004GL2
```

```
U5          CONNECTOR
            B02   AA003DB1
            B04   AA003DB3
            B05   AA003DB5
            B06   AA003DB7
            B08   AA003DC2
            B09   AA003DC4
            B10   AA003DC6
            B12   AA003DD1
            B13   AA003DD3
            D02   AA003DD5
            D03   AA003DD7
            D05   AA003DE2
            D06   AA003DE4
            D07   AA003DE6
            D09   AA003DF1
            D10   AA003DF3
            D11   AA003DF5
            D13   AA003DF7
-----------------------------
U6          CONNECTOR
            A02   CU001EK6
            B04   CU001EL6
            C02   CP001GD2
            C04   CP001FG6
            D02   CP001FJ2
            D04   CP001FK6
            E02   CP001FM6
************************
V1          CONNECTOR
            A13   CU013CJ4
            B11   CU013CL4
            B13   CU013GF6
-----------------------------
V2          CONNECTOR
            B02   AP009AM4
            B04   AP011AM4
            B05   AP012AC4
            B06   AP012AF4
            B08   AP012AJ4
            B09   AP012AM4
            B10   AP013AC4
            B12   AP013AF4
            B13   AP013AJ4
            D02   AP013AM4
            D03   AP014AC4
            D05   AP010AJ4
            D06   AP014AJ4
            D07   AP014AM4
            D09   AP015AC4
            D10   AP015AF4
```

```
V2          D11   AP015AJ4
            D13   AP015AM4
-----------------------------
V3          CONNECTOR
            B02   AP010AM4
            B04   CC003BH6
            B05   CC003BJ6
            B06   CC003BL6
            B08   CC003CH6
            B09   CC003CJ6
            B10   CC003CL6
            B12   CC003EB6
            B13   CC003EL6
            D02   CC004EA6
            D03   CC004EE6
            D05   CD004AB2
            D06   CF002CM6
            D07   CQ001DK2
            D09   CU003GL6
            D10   DM005DL4
            D11   CS006CD6
            D13   CU015GJ6
-----------------------------
V4          CONNECTOR
            B02   AA001DB1
            B04   AA001DB3
            B05   DG971AJ4
            B06   AA001DB7
            B08   AA001DC2
            B09   AA001DC4
            B10   AA001DC6
            B12   AA001DD1
            B13   AA001DD3
            D02   AA001DD5
            D03   AA001DD7
            D05   AA001DE2
            D06   AA001DE4
            D07   AA001DE6
            D09   AA001DF1
            D10   AA001DF3
            D11   AA001DF5
            D13   AA001DF7
-----------------------------
V5          CONNECTOR
            B02   DG002GD2
            B04   DN001GB2
            B05   DN001GC2
            B06   DN002GB2
            B08   DQ001GA2
            B09   DQ001GB2
            B10   DQ001GC2
            B12   DG002GB2
            B13   DG002FK6
            D02   CQ001EA2
            D03   CQ001CD2
            D05   CQ005CJ6
            D06   CQ005CL6
            D07   CU010GM6
            D09   AA002DF7
            D10   AA002DF1
            D11   CP005AD4
            D13   AA002DF5
-----------------------------
V6          CONNECTOR
            A04   CP002GK6
            B02   CU010FM2
            B04   AP008DF4
************************
```

PLUG LIST

PART NO	RCC	TYPE SOCKETS	TOTAL
5857401		6801 J2 K2 N2	03
5857402		6802 L2 M2 P2 Q2	04
5857407		6807 R2	01
5862885		N885 F5	01
8211470		7593 F2	01
8218932		6798 D2	01
8231437		6797 A4 B2	02
8231689		6845 U2 U3	02
8231695		6799 A2 A3	02
8250101		AB89 E2	01
8250102		AB90 G2 H2	02
8252018		AB93 C2	01
		CONN A1 A5 A6 B1	49
		B6 C1 C6 D1	
		D6 E1 E6 F1	
		F5 G1 G6 H1	
		H6 J1 J6 K1	
		K6 L1 L6 M1	
		M6 N1 N6 P1	
		P6 Q1 Q6 R1	
		R6 S1 S6 T1	
		T2 T5 T6 U1	
		U4 U5 U6 V1	
		V2 V3 V4 V5	
		V6	

```
SOCKET LISTING
DATE 06-04-81   MACH. 3705                    D
                                              Z
LOG 288          BOARD 01A-B4                 0
PREV. ENGR. 10-14-80  344270                  0
PRES. ENGR. 06-02-81  344828                  2
P.N. 1986967                                  0
                                              0
IBM CORP.   SDD   BLK.
```

F2 DOUBLE CARD
8252028 CE48 NROS

CW013
CW014

SEE [1][2][3][4]

PART NO. ACC TYPE SOCKET
8252028 NROS CE48 F2

NOTES

[1] WITH TWO CA-4'S, NROS IS INSTALLED IN 01A-B4F2

[2] WITH A CA-1, TYPE I ROS IS INSTALLED IN 01A-B4F2, CARD P/N 8211470

[3] WITH ONE CA-4, TYPE I ROS OR NROS MAY BE INSTALLED

[4] WITH A STANDALONE REMOTE (NO. CA'S INSTALLED), NO ROS CARD IS PRESENT IN 01A-B4F2/F3

SOCKET LISTING ADDENDUM

DATE JUN81 MACH: 3705
P/N 4499514 BRD: 01A-B4
VERS: 000

IBM CORP SCD
E.C. 344828

D
Z
0
0
2
A