

TABLE OF CONTENTS

ASU.1 _____ TABLE OF CONTENTS AND REVISION HISTORY
 ASU.2 _____ DATA FLOW
 ASU.2.1 _____ PULL
 SMTU.1 _____ SHORTER
 RT.1 _____ REGISTER FILE
 FAMILY.1 _____ FAMILY GENERATOR OVER-DR
 ASU.3 _____ INTERRUPTS, TIMER, TRAP
 ASU.4 _____ DATA FLOW CONTROL, LOOP COUNTER
 ASU.5 _____ CONDITION CODES, BRANCH HAZARDS
 ASU.6 _____ PEN, JP CONTROL REGISTER
 ASU.7 _____ MICROSEQUENCER
 STACK.1 _____ MICROSTACK
 INC12.1 _____ 12 BIT INCREMENTER
 CSRAM.1 _____ CONTROL STORE REGISTER SEL RAM
 ASU.8 _____ CONTROL STORE REGISTER - UPPER
 ASU.9 _____ CONTROL STORE REGISTER - LOWER
 ASU.10 _____ CONTROL STORE REGISTER - REGISTER SELECTS
 ASU.11 _____ REGISTER SELECTION LOGIC
 ASU.12 _____ UPU QUEUE, RT WRITE PULSE, MISC INTERFACE
 VPO.1 _____ VECTOR PROCESSOR QUEUE
 ASU.13 _____ REGISTER HAZARD LOGIC
 ASU.14 _____ CLOCKS AND PULSE TIMING
 ASU.15 _____ DIAGNOSTIC BUS INTERFACE
 ASU.16 _____ PULLUPS, PULLDOWNS, CONNECTORS
 ASUCON.1 _____ P1
 ASUCON.2 _____ P2
 ASUCON.3 _____ P3
 ASUCON.4 _____ P4
 ASUCON.5 _____ P5
 ASUFF.1 _____ J2
 ASUFF.2 _____ J5

ECO LOG

ECO #	AFFECTS PAGES
D.00	ALL SHEETS - INITIAL REVISION C RELEASE

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

DEFINE
 X_FIRST=0
 X_STEP=SIZE

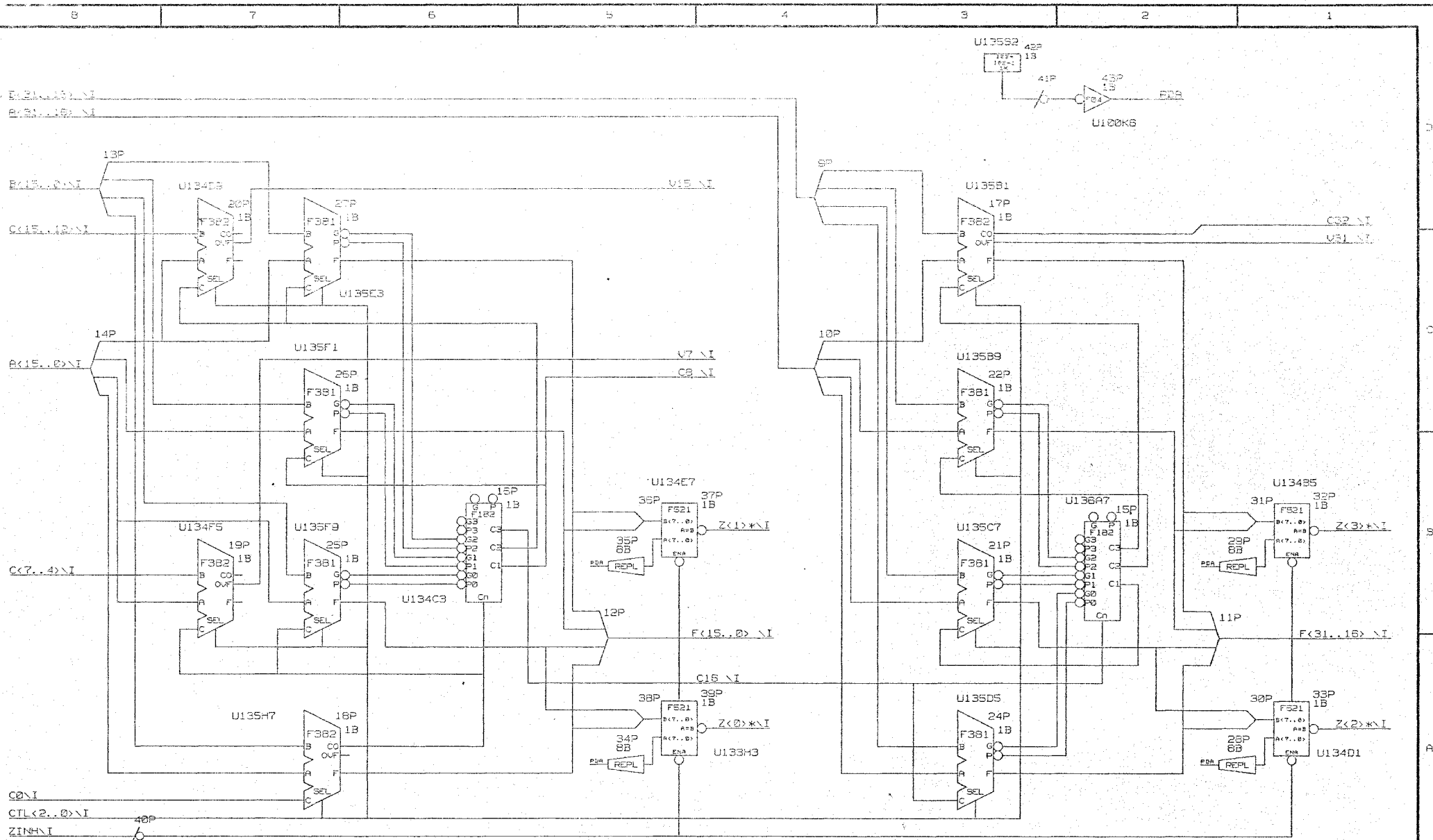


CONVEX

TITLE: ASU
 DRAWING: 410-000129-900 REV D.00

ABBR: ASU
 ENGR: GOSTIN

REVISED: Mon Dec 17 14:16:43 1984 | PAGE: ASU.1 OF 16



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

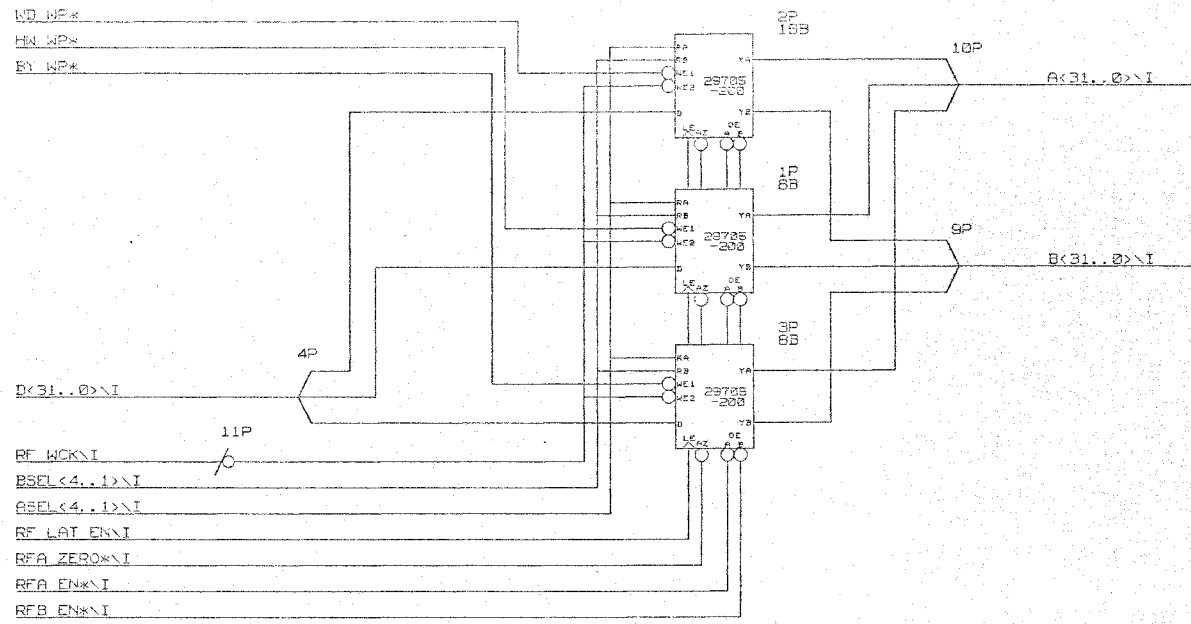
DEFINE
X_FIRST=0
X_STEP=SIZE



TITLE: ALU BODY FOR ASU
DRAWING: 410-000129-300 REV D.00

ABBR: ALU
ENGR: GOSTIN

REVISED: Mon Dec 17 16:05:11 1984 PAGE: ASU.2 ALL.1



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1994

DEFINE
X_FIRST=0
X_STEP=SIZE

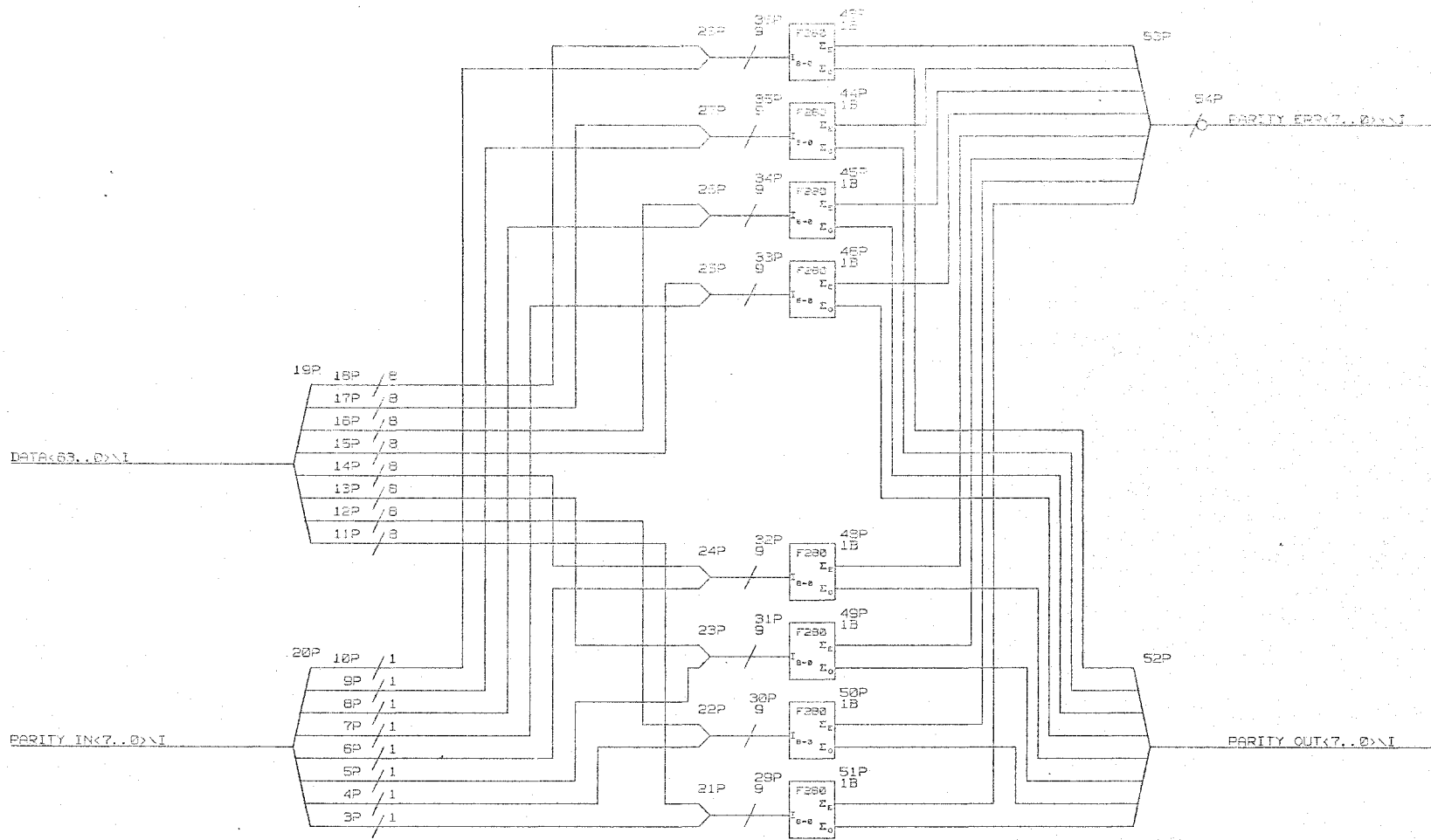


CONVEX

TITLE: RF BODY FOR ASU
DRAWING: 410-000129-300 REV D.00

ABBR: RF
ENGR: GOSTIN

REVISED: Mon Dec 17 16:27:07 1994 PAGE: ASU.2 RF.1

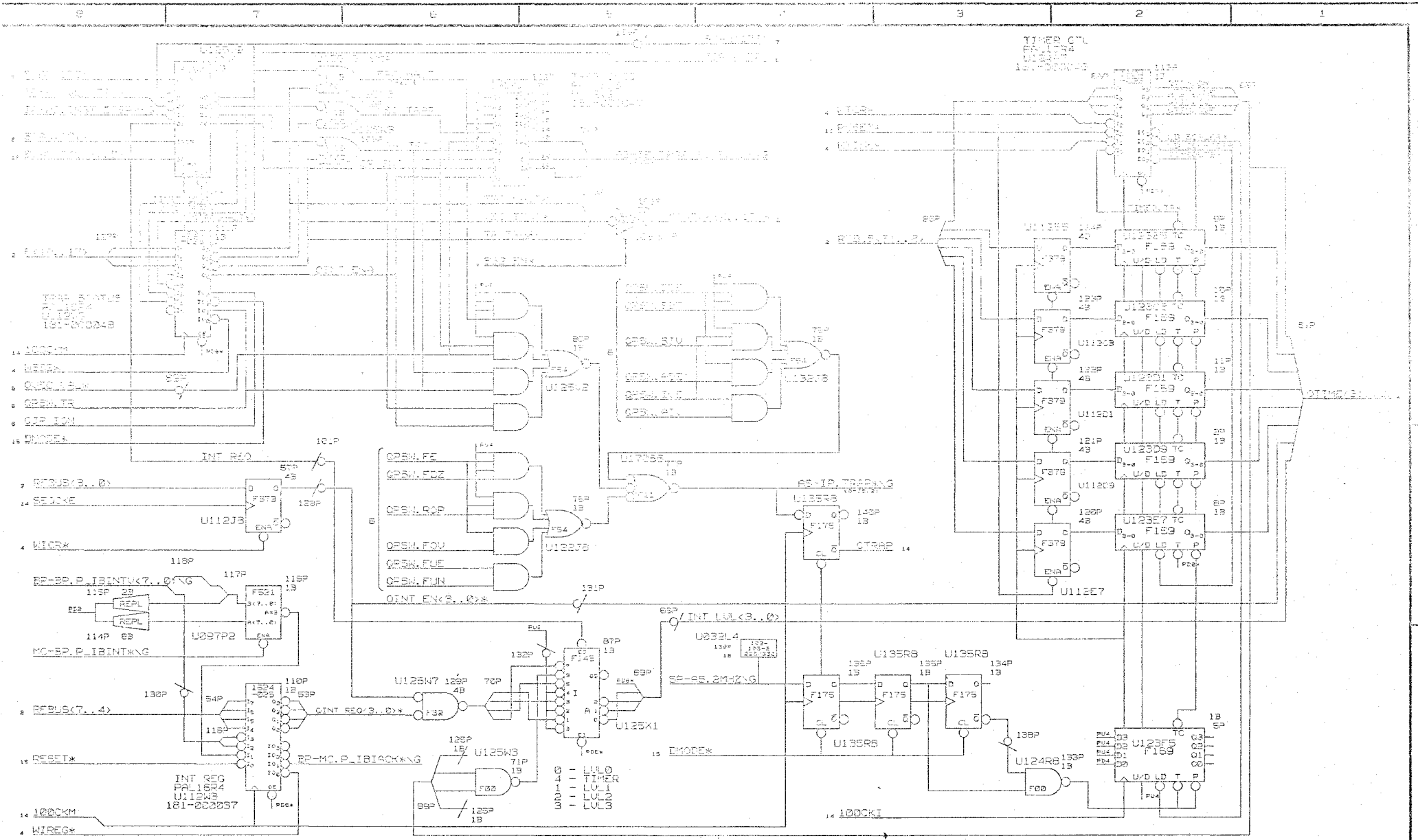


THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

DEFINE
 X_FIRST=0
 X_STEP=SIZE



TITLE: PARITY CHECK/GEN BODY FOR ASU	ABBR: PARITY
DRAWING: 410-000129-300 REV D.00	ENGR: GOSTIN
REVISED: Mon Dec 17 15:27:35 1984	PAGE: ASU.2 PARITY.1



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASU INTERRUPT/TIMER/TRAPS

DRAWING: 410-000129-300 REV D.00

REVISED: Mon Dec 17 16:04:00 1984

PAGE: ASU.3

ABBR: ASU

ENGR: GOSTIN

8

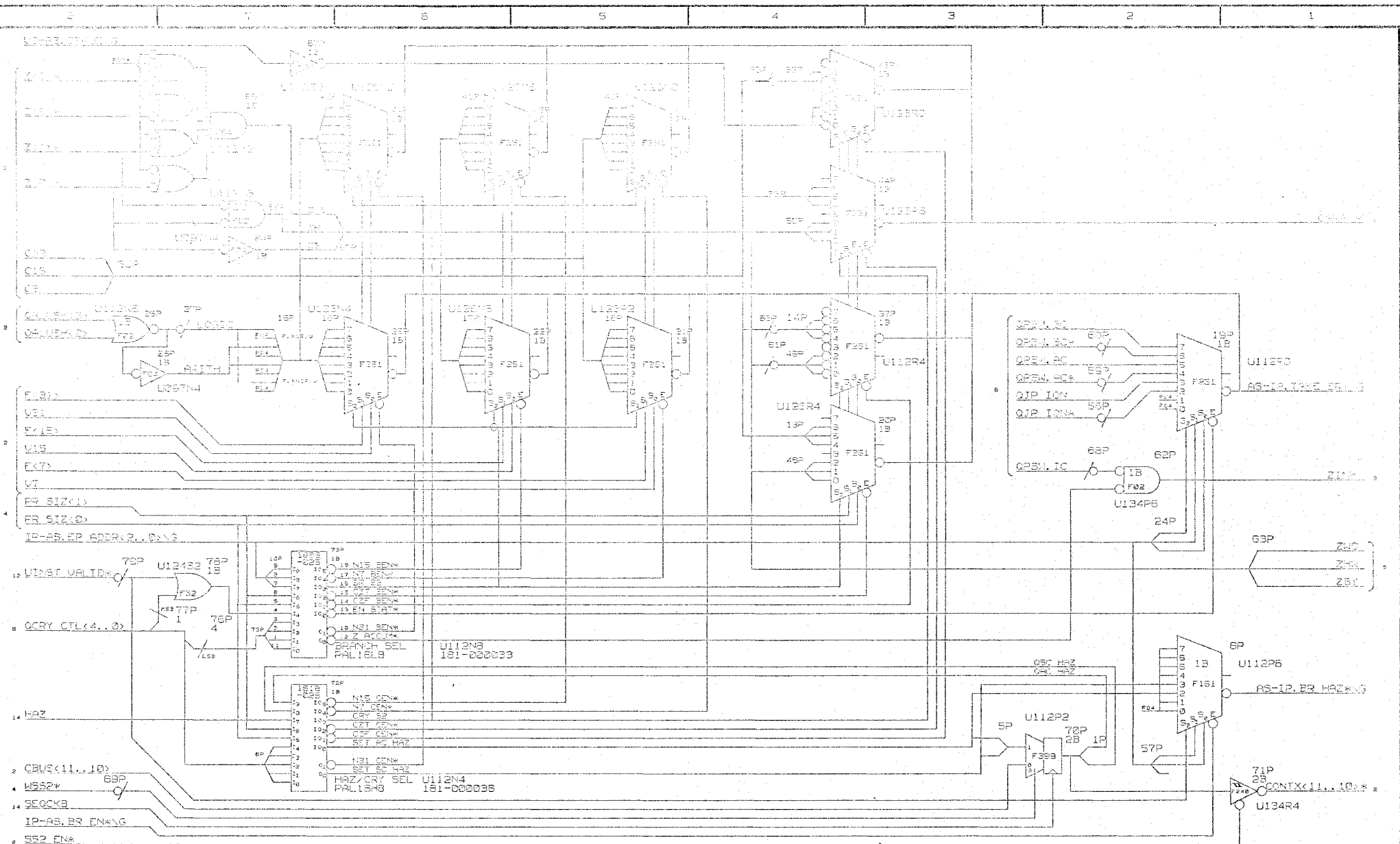
7

6

3

2

1

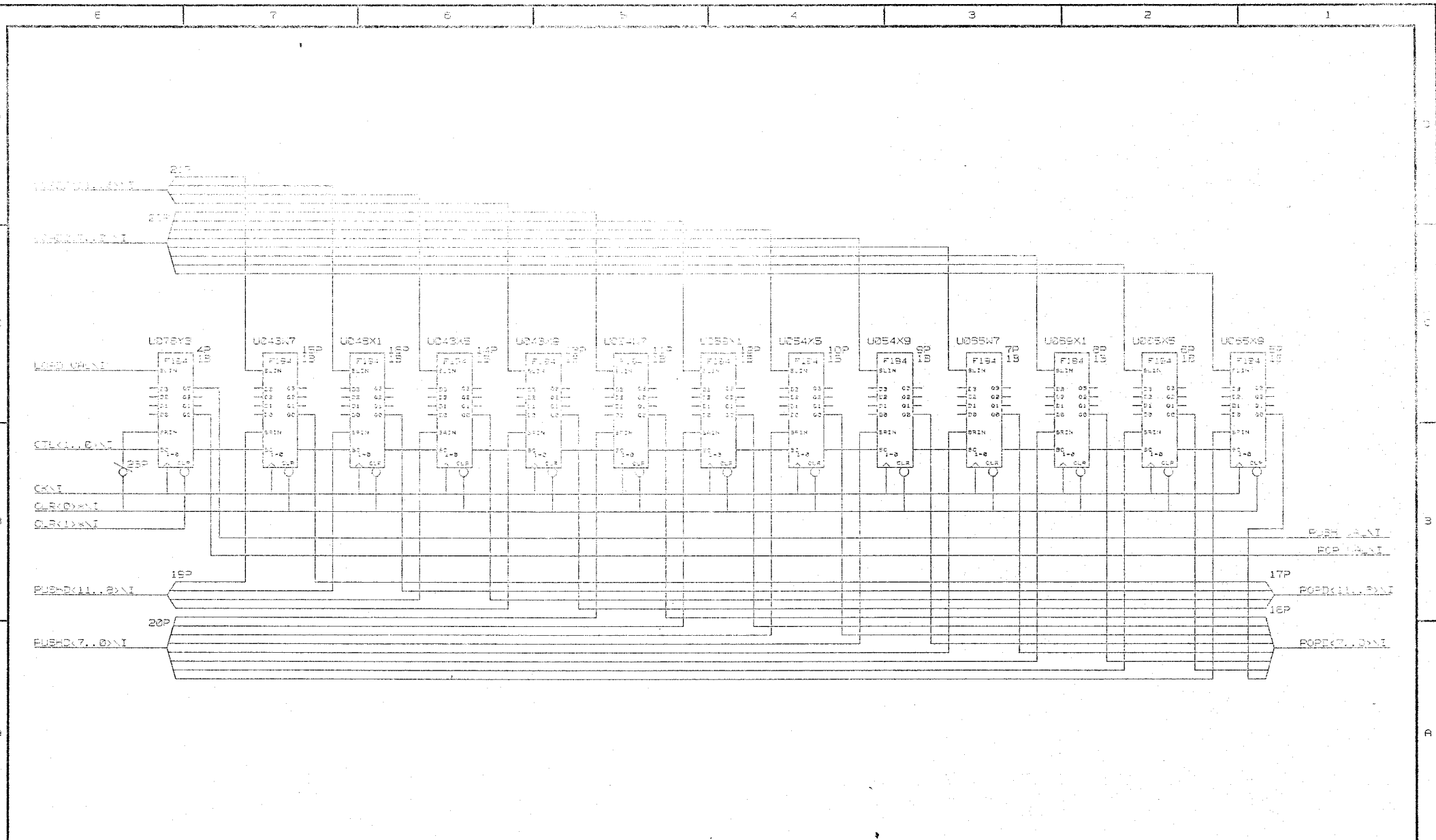


THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASU COND CODE/BRANCH HAZARD	ASBR: ASU
DRAWING: 410-000129-300 REV D.00	ENGR: GOSTIN
REVISED: Mon Dec 17 14:59:21 1984	PAGE: ASU.5



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

DEFINE
X_FIRST=0
X_STEP=SIZE



CONVEX

TITLE: STACK BODY FOR ASU SEQUENCER

DRAWING: 410-000129-300 REV D.00

REVISED: Wed Oct 17 21:31:45 1984

PAGE: ASU.7 STACK.1

ABBR: STACK

ENGR: GOSTIN

8

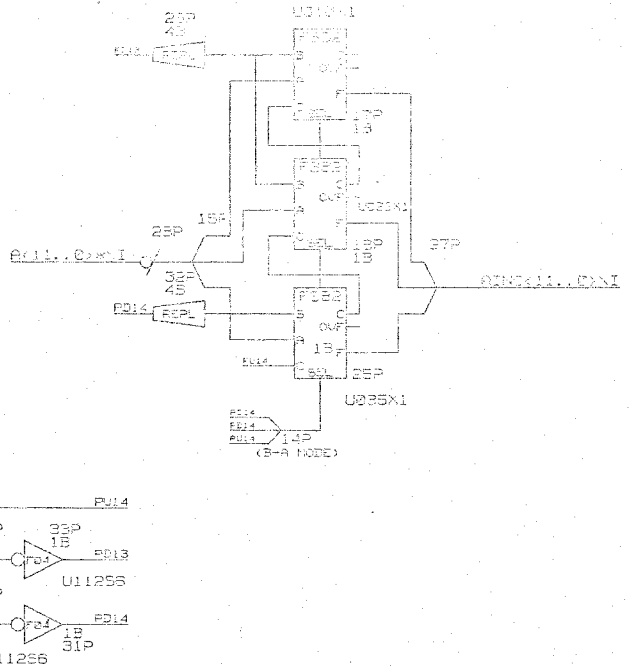
7

6

3

2

1

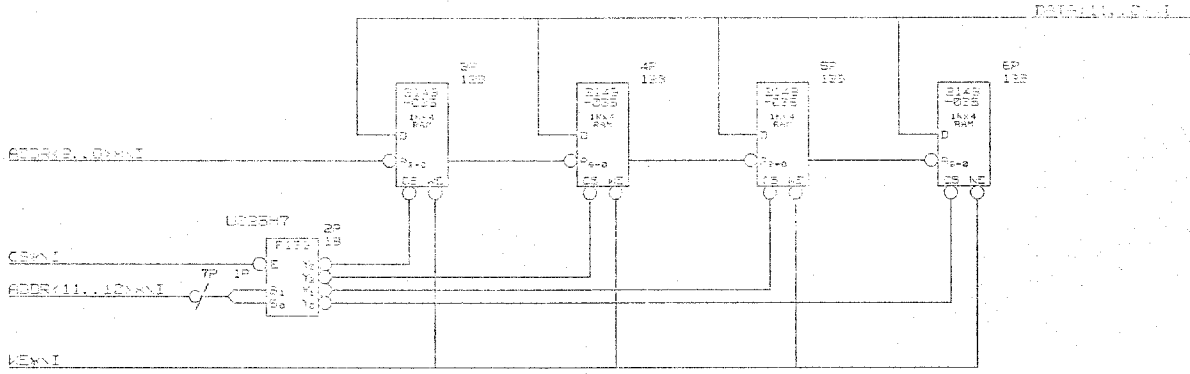


THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

DEFINE
X_FIRST=0
X_STEP=SIZE



TITLE:	INC12 - 12 BIT INCREMENTER	ABBR:	INC12
DRAWING:	410-000129-000 REV D.00	ENGR:	GOSTIN
REVISED:	Wed Oct 17 21:28:53 1984	PAGE:	ASU.7 INC12.1



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

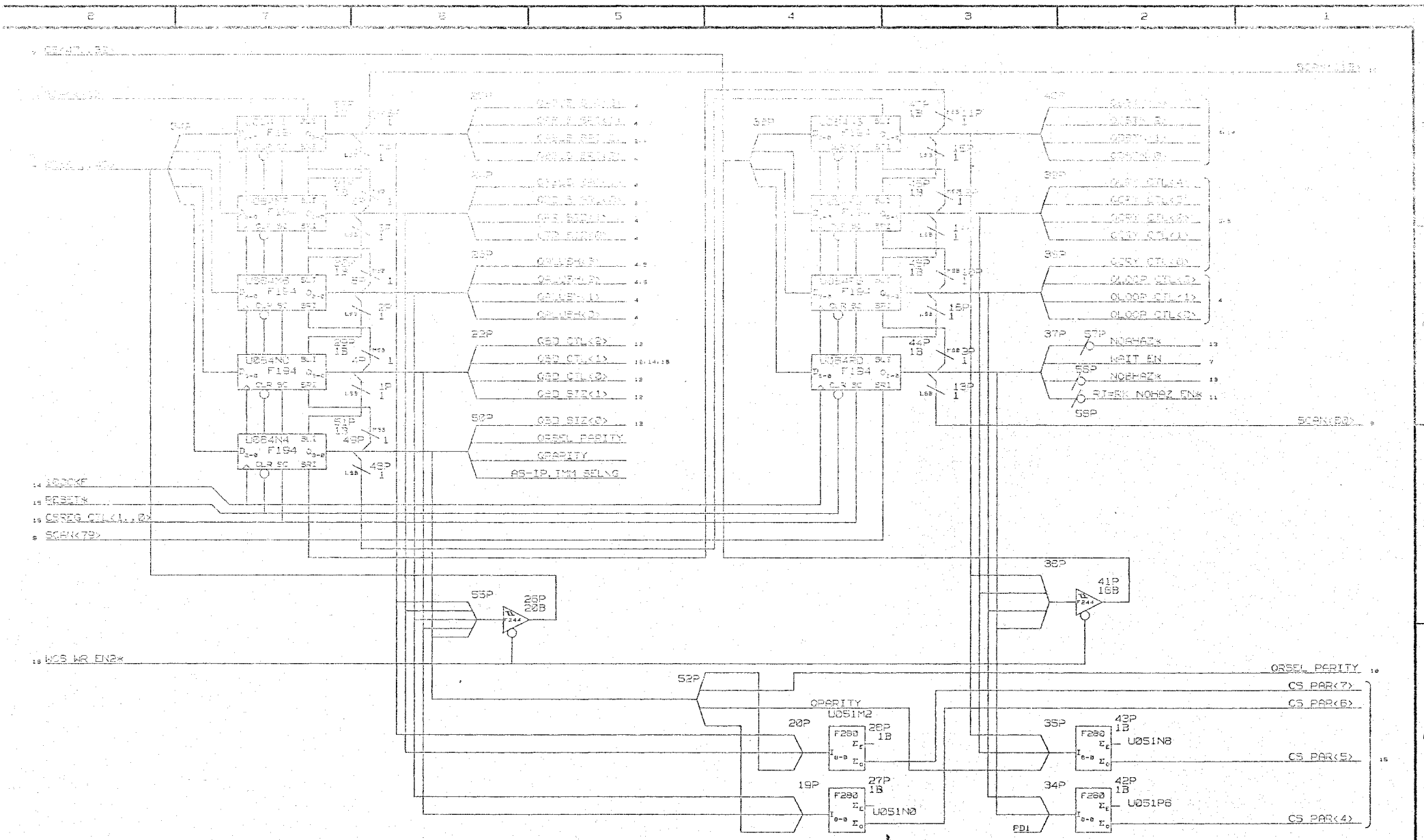
DEFINE
X_FIRST=0
X_STEP=SIZE



TITLE: CSRAM
DRAWING: 410-000129-300 REV D.00
REVISED: Wed Oct 17 21:30:39 1984

ABSR: CSRAM
ENGR: GOSTIN

PAGE: ASU.7 CSRAM.1

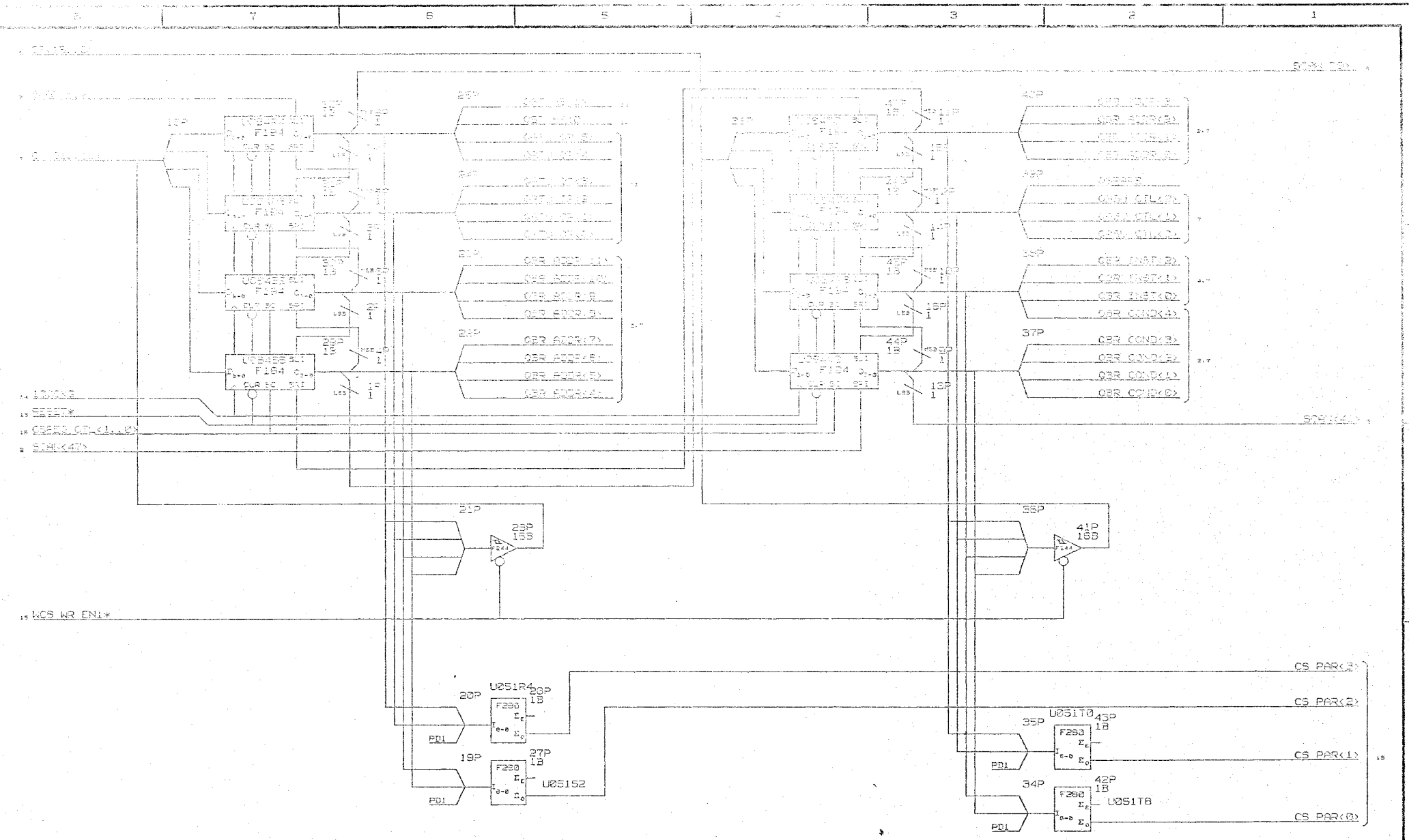


THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

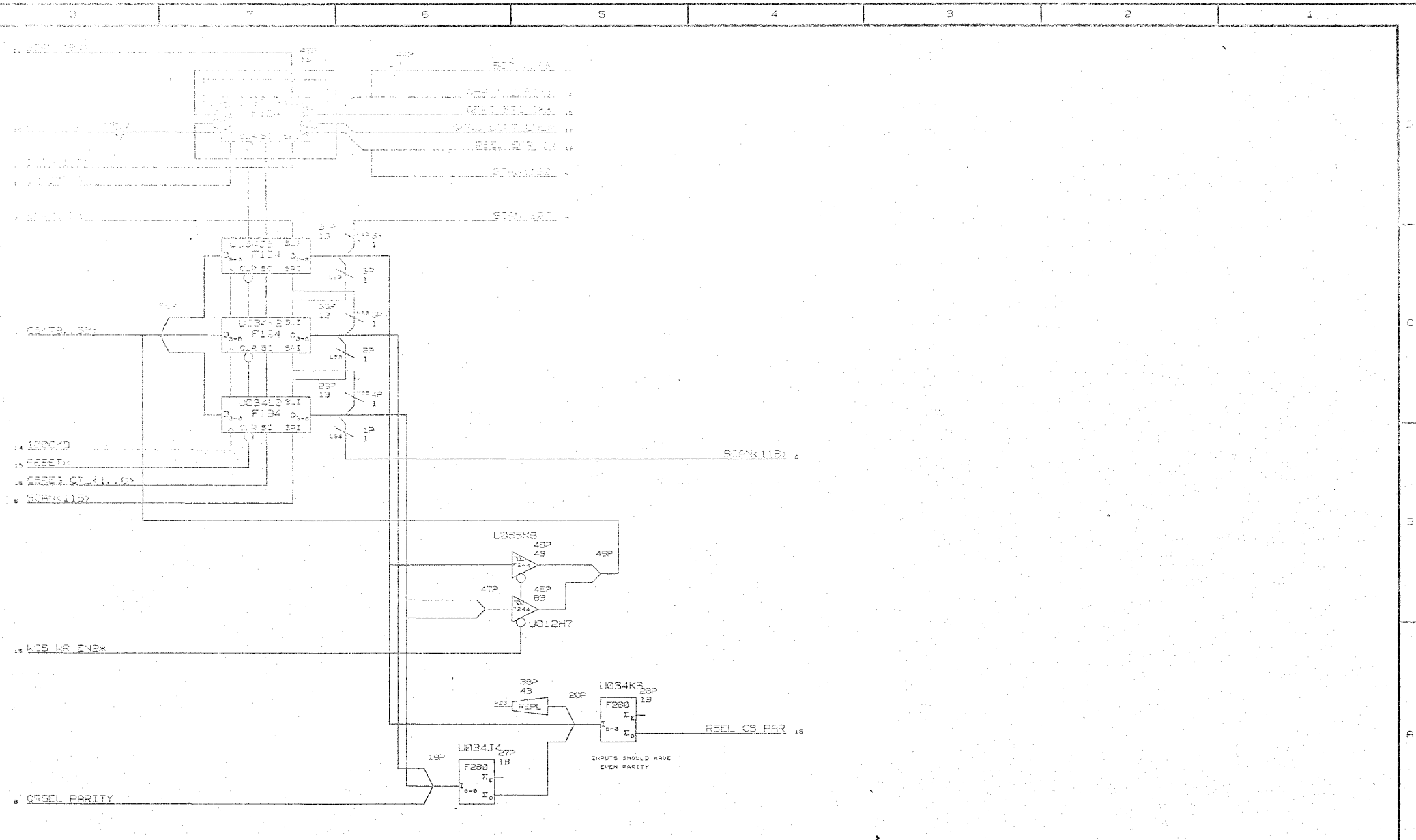
TITLE: ASU CONTROL STORE-UPPER	ABBR: ASU
DRAWING: 410-000129-300 REV D.00	ENGR: GOSTIN
REVISED: Sat Nov 24 13:11:15 1984	PAGE: ASU.8



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



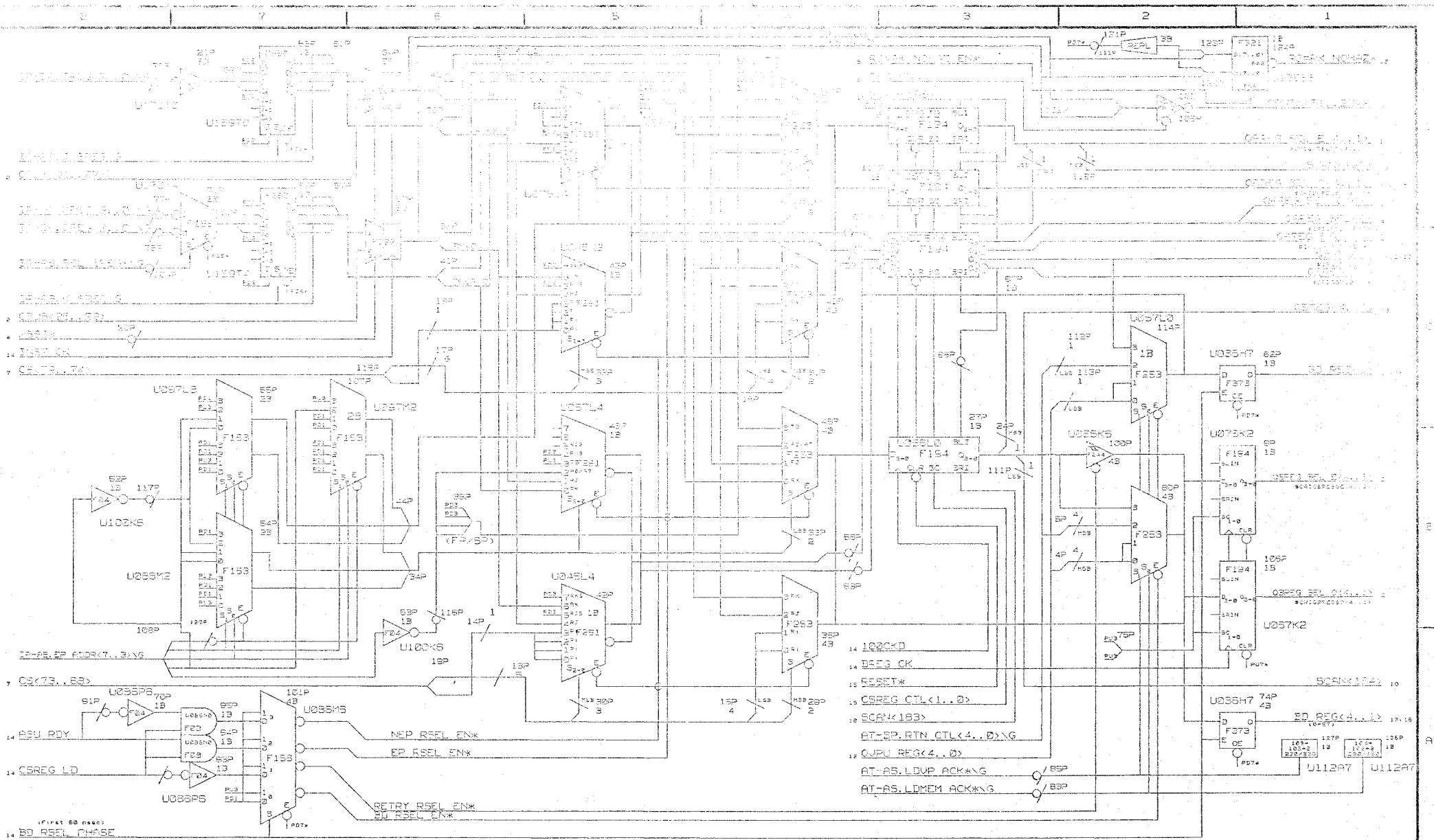
TITLE: ASU CONTROL STORE-LOWER
 DRAWING: 410-000129-300 REV D.00
 REVISIONS: Mon Dec 17 16:28:51 1984
 ABBR: ASU
 ENGR: GOSTIN
 PAGE: ASU.9



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



TITLE: ASU CONTROL STORE-REG SEL	ABBR: ASU
DRAWING: 410-200129-300 REV D.00	ENGR: GOSTIN
REVISED: Mon Dec 17 16:29:28 1984	PAGE: ASU.10

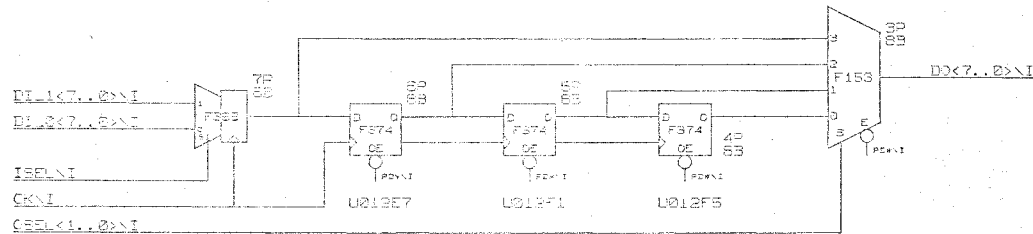


THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASU REGISTER SELECTION LOGIC	ABBR: ASU
DRAWING: 410-002129-300 REV D.00	ENGR: GOSTIN
REVISED: Mon Dec 17 16:30:49 1984	PAGE: ASU.11



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

DEFINE
X_FIRST=3
X_STEP=SIZE



CONVEX

TITLE: VPO VECTOR PROCESSOR QUEUE

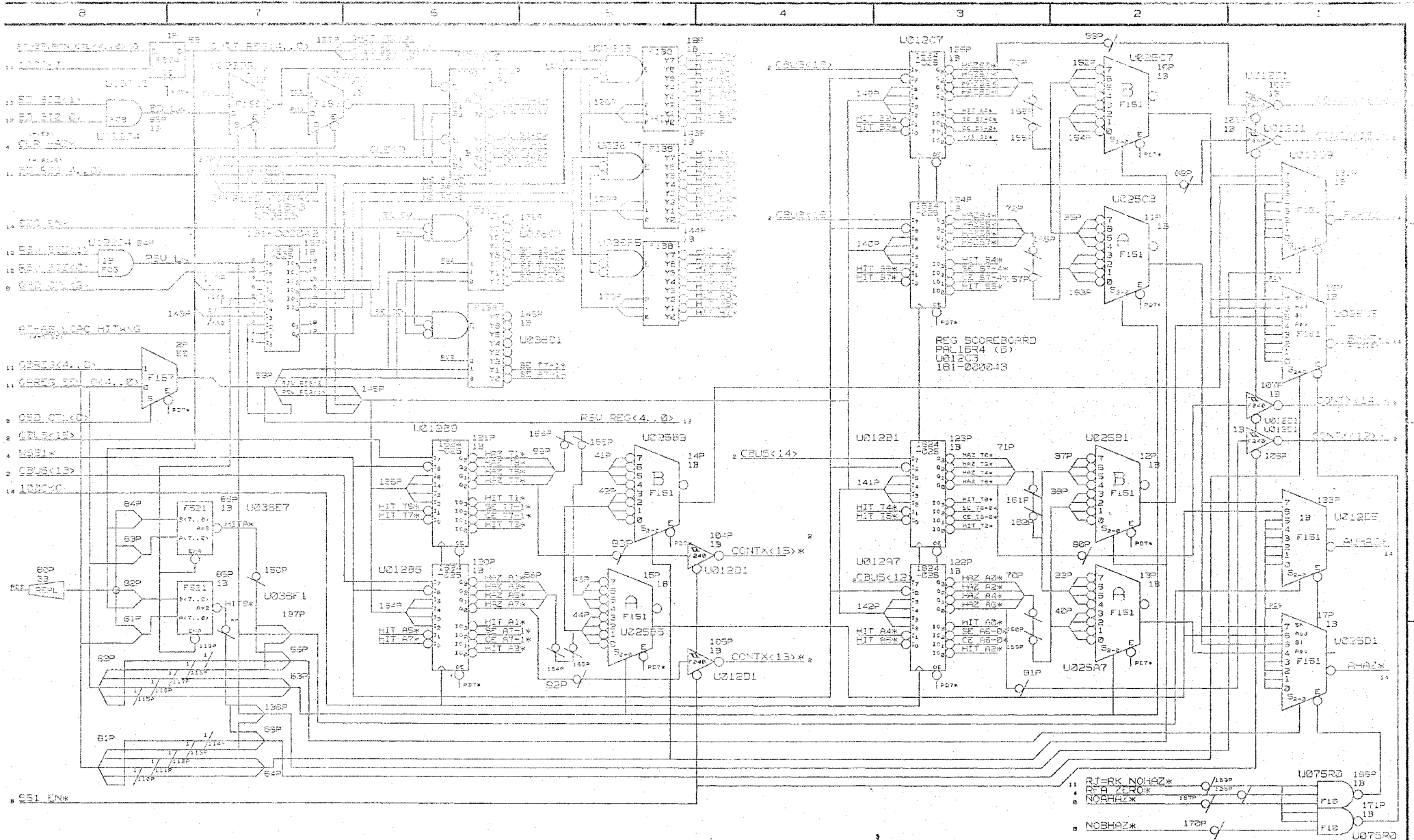
ABBR: VPO

DRAWING: 410-200129-300 REV D 00

ENSR: GOSTIN

REVISED: Wed Oct 17 22:42:30 1984

PAGE: ASU.12 VPO.1



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASU REGISTER HAZARD LOGIC

DRAWING: 410-000129-300 REV D.00

REVISED: Mon Dec 17 15:49:46 1984

PAGE: ASU.13

ASBR: ASU

ENGR: GOSTIN

8

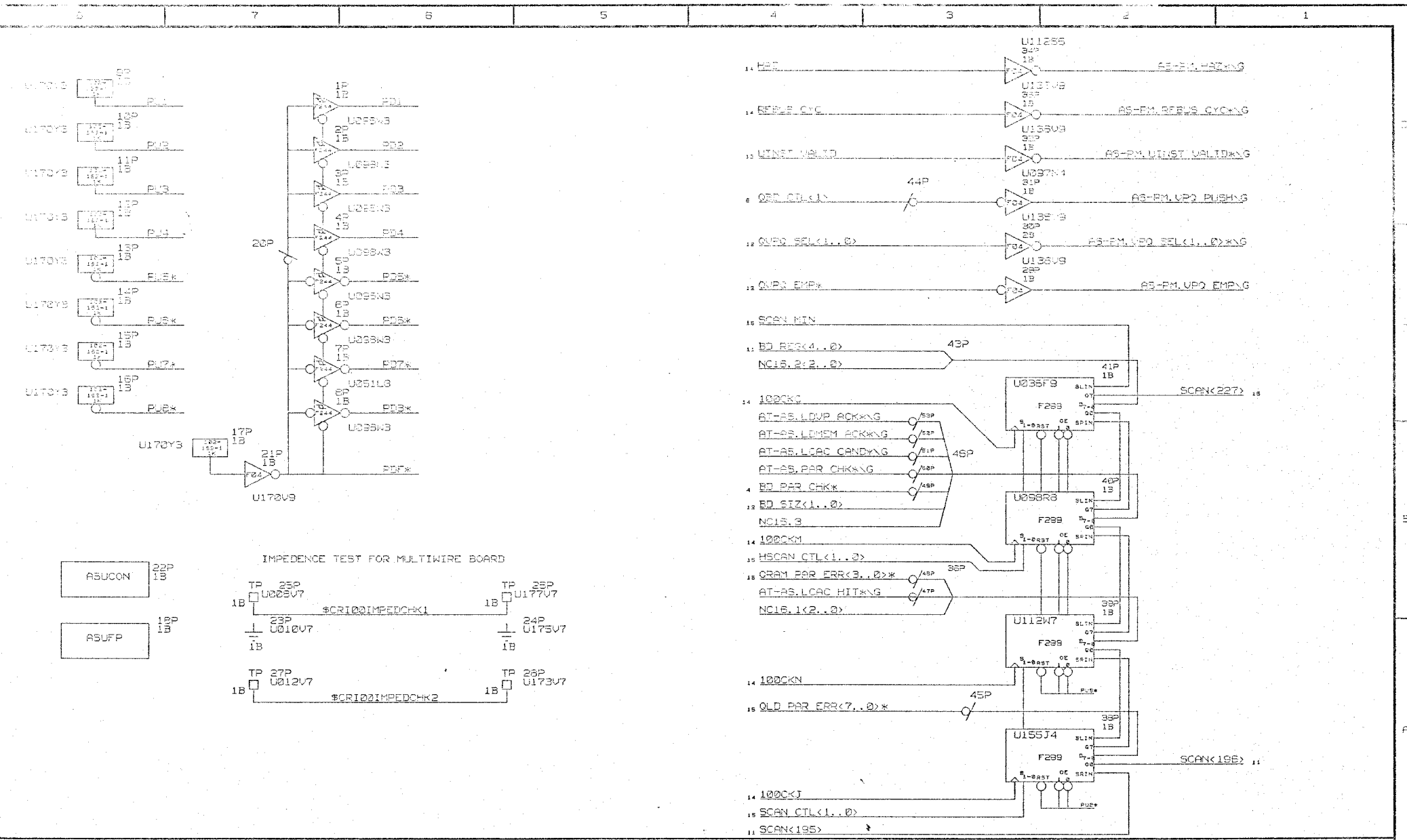
7

6

3

2

1



THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASU PULLUPS, PULLDOWNS, SPARES

ABBR: ASU

DRAWING: 410-000129-300 REV D.00

ENGR: GOSTIN

REVISED: Mon Dec 17 16:32:11 1984

PAGE: ASU.16

8

7

6

3

2

1

1P
301-1212-000

A	CONVCC NG
01	CONVCC NG
02	CONVCC NG
03	CONVCC NG
04	CONGND NG
05	CONGND NG
06	CONGND NG
07	NC
08	AT-BP. SRC DAT<50>NG
09	CONGND NG
10	AT-BP. SRC DAT<53>NG
11	BP-AT. DST DAT<48>NG
12	BP-AT. DST DAT<52>NG
13	BP-AT. DST DAT<55>NG
14	AT-BP. SRC DAT<24>NG
15	AT-BP. SRC DAT<27>NG
16	AT-BP. SRC DAT<30>NG
17	CONGND NG
18	BP-AT. DST DAT<25>NG
19	BP-AT. DST DAT<28>NG
20	BP-AT. DST PAR<4>NG
21	AT-BP. SRC DAT<58>NG
22	AT-BP. SRC DAT<50>NG
23	AT-BP. SRC DAT<53>NG
24	BP-AT. DST DAT<57>NG
25	CONGND NG
26	BP-AT. DST DAT<52>NG
27	CONGND NG
28	CONGND NG
29	CONGND NG
30	CONVCC NG
31	CONVCC NG
32	CONVCC NG

B	CLAMP NG
01	CLAMP NG
02	CLAMP NG
03	CLAMP NG
04	CLAMP NG
05	CLAMP NG
06	CLAMP NG
07	AT-BP. SRC DAT<45>NG
08	AT-BP. SRC DAT<51>NG
09	AT-BP. SRC DAT<53>NG
10	AT-BP. SRC PAR<1>NG
11	BP-AT. DST DAT<50>NG
12	BP-AT. DST DAT<55>NG
13	BP-AT. DST PAR<1>NG
14	AT-BP. SRC DAT<25>NG
15	AT-BP. SRC DAT<28>NG
16	AT-BP. SRC DAT<31>NG
17	BP-AT. DST DAT<24>NG
18	BP-AT. DST DAT<27>NG
19	BP-AT. DST DAT<32>NG
20	AT-BP. SRC DAT<55>NG
21	AT-BP. SRC DAT<59>NG
22	AT-BP. SRC DAT<51>NG
23	AT-BP. SRC PAR<0>NG
24	BP-AT. DST DAT<53>NG
25	BP-AT. DST DAT<58>NG
26	BP-AT. DST DAT<63>NG
27	CONGND NG
28	CONGND NG
29	CONGND NG
30	CONVCC NG
31	CONVCC NG
32	CONVCC NG

C	CONVCC NG
01	CONVCC NG
02	CONVCC NG
03	CONVCC NG
04	CONGND NG
05	CONGND NG
06	CONGND NG
07	AT-BP. SRC DAT<45>NG
08	AT-BP. SRC DAT<52>NG
09	AT-BP. SRC DAT<54>NG
10	BP-AT. DST DAT<48>NG
11	BP-AT. DST DAT<51>NG
12	BP-AT. DST DAT<54>NG
13	CONGND NG
14	AT-BP. SRC DAT<25>NG
15	AT-BP. SRC DAT<28>NG
16	AT-BP. SRC PAR<4>NG
17	BP-AT. DST DAT<25>NG
18	BP-AT. DST DAT<28>NG
19	BP-AT. DST DAT<31>NG
20	AT-BP. SRC DAT<57>NG
21	CONGND NG
22	AT-BP. SRC DAT<62>NG
23	BP-AT. DST DAT<56>NG
24	BP-AT. DST DAT<59>NG
25	BP-AT. DST DAT<61>NG
26	BP-AT. DST PAR<0>NG
27	CONGND NG
28	CONGND NG
29	CONGND NG
30	CONVCC NG
31	CONVCC NG
32	CONVCC NG

U18SD3
CONNECTOR P1

DEFINE
X_FIRST=0
X_STEP=SIZE

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



TITLE: ASUCON	ABBR: ASUCONS
DRAWING: 410-000129-900 REV D.20	ENGR: GOSTIN
REVISED: Mon Dec 17 15:33:18 1984	PAGE: ASU.16 ASUCON.1

300-41812-306

01	CONGND NG
02	AT-EP, SRC DAT<2>NG
03	AT-EP, SRC DAT<3>NG
04	BP-AT, DST DAT<1>NG
05	BP-AT, DST DAT<2>NG
06	BP-AT, DST DAT<3>NG
07	AT-EP, SRC DAT<35>NG
08	AT-EP, SRC DAT<35>NG
09	CONGND NG
10	AT-EP, SRC PAR<3>NG
11	BP-AT, DST DAT<34>NG
12	BP-AT, DST DAT<37>NG
13	BP-AT, DST PAR<3>NG
14	AT-EP, SRC DAT<9>NG
15	AT-EP, SRC DAT<13>NG
16	AT-EP, SRC DAT<16>NG
17	CONGND NG
18	BP-AT, DST DAT<11>NG
19	BP-AT, DST DAT<14>NG
20	AT-EP, SRC DAT<40>NG
21	AT-EP, SRC DAT<43>NG
22	AT-EP, SRC DAT<45>NG
23	AT-EP, SRC PAR<2>NG
24	BP-AT, DST DAT<42>NG
25	CONGND NG
26	BP-AT, DST DAT<47>NG
27	AT-EP, SRC DAT<17>NG
28	AT-EP, SRC DAT<20>NG
29	AT-EP, SRC DAT<23>NG
30	BP-AT, DST DAT<16>NG
31	BP-AT, DST DAT<19>NG
32	BP-AT, DST DAT<22>NG

01	AT-EP, SRC DAT<2>NG
02	AT-EP, SRC DAT<3>NG
03	AT-EP, SRC PAR<7>NG
04	BP-AT, DST DAT<8>NG
05	BP-AT, DST DAT<6>NG
06	BP-AT, DST DAT<7>NG
07	AT-EP, SRC DAT<33>NG
08	AT-EP, SRC DAT<33>NG
09	AT-EP, SRC DAT<35>NG
10	BP-AT, DST DAT<32>NG
11	BP-AT, DST DAT<35>NG
12	BP-AT, DST DAT<38>NG
13	AT-EP, SRC DAT<8>NG
14	AT-EP, SRC DAT<12>NG
15	AT-EP, SRC DAT<13>NG
16	AT-EP, SRC PAR<3>NG
17	BP-AT, DST DAT<9>NG
18	BP-AT, DST DAT<12>NG
19	BP-AT, DST DAT<15>NG
20	AT-EP, SRC DAT<41>NG
21	AT-EP, SRC DAT<44>NG
22	AT-EP, SRC DAT<45>NG
23	BP-AT, DST DAT<42>NG
24	BP-AT, DST DAT<43>NG
25	BP-AT, DST DAT<45>NG
26	BP-AT, DST PAR<2>NG
27	AT-EP, SRC DAT<19>NG
28	AT-EP, SRC DAT<21>NG
29	AT-EP, SRC PAR<5>NG
30	BP-AT, DST DAT<17>NG
31	BP-AT, DST DAT<20>NG
32	BP-AT, DST DAT<23>NG

01	AT-EP, SRC DAT<3>NG
02	AT-EP, SRC DAT<6>NG
03	BP-AT, DST DAT<0>NG
04	BP-AT, DST DAT<3>NG
05	CONGND NG
06	BP-AT, DST PAR<7>NG
07	AT-EP, SRC DAT<34>NG
08	AT-EP, SRC DAT<37>NG
09	AT-EP, SRC DAT<39>NG
10	BP-AT, DST DAT<33>NG
11	BP-AT, DST DAT<36>NG
12	BP-AT, DST DAT<39>NG
13	CONGND NG
14	AT-EP, SRC DAT<11>NG
15	AT-EP, SRC DAT<14>NG
16	BP-AT, DST DAT<8>NG
17	BP-AT, DST DAT<10>NG
18	BP-AT, DST DAT<13>NG
19	BP-AT, DST PAR<8>NG
20	AT-EP, SRC DAT<42>NG
21	CONGND NG
22	AT-EP, SRC DAT<47>NG
23	BP-AT, DST DAT<41>NG
24	BP-AT, DST DAT<44>NG
25	BP-AT, DST DAT<46>NG
26	AT-EP, SRC DAT<18>NG
27	AT-EP, SRC DAT<19>NG
28	AT-EP, SRC DAT<22>NG
29	CONGND NG
30	BP-AT, DST DAT<18>NG
31	BP-AT, DST DAT<21>NG
32	BP-AT, DST PAR<5>NG

U188J8
CONNECTOR P2

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASUCON	ABBR: ASUCONS
DRAWING: 410-002129-300 REV D.00	ENGR: JONES
REVISED: Mon Dec 17 15:33:57 1984	PAGE: ASU.15 ASUCON.2

IP
800-41811-055

A	
01	CONGND \NG
02	IP-AS.PC/IMM<2>\NG
03	IP-AS.PC/IMM<3>\NG
04	IP-AS.PC/IMM<4>\NG
05	IP-AS.PC/IMM<11>\NG
06	IP-AS.PC/IMM<13>\NG
07	IP-AS.PC/IMM<15>\NG
08	IP-AS.PC/IMM<19>\NG
09	CONGND \NG
10	IP-AS.PC/IMM<24>\NG
11	IP-AS.PC/IMM<27>\NG
12	IP-AS.PC/IMM<30>\NG
13	AT-EP.DATA SIZ/VAL<0>\NG
14	AT-EP.RTN CTL<0>\NG
15	AT-EP.RTN CTL<3>\NG
16	AS-AT.REQCYC<1>\NG
17	CONGND \NG
18	BP-AT.RTN CTL<0>\NG
19	EP-AT.RTN CTL<3>\NG
20	AS-AT.REQSIZ<1>\NG
21	EP-AT.LADDR<2>\NG
22	BP-AT.LADDR<4>\NG
23	EP-AT.LADDR<7>\NG
24	BP-AT.LADDR<13>\NG
25	CONGND \NG
26	BP-AT.LADDR<15>\NG
27	EP-AT.LADDR<18>\NG
28	BP-AT.LADDR<21>\NG
29	EP-AT.LADDR<24>\NG
30	BP-AT.LADDR<25>\NG
31	EP-AT.LADDR<29>\NG
32	NC

B	
01	IP-AS.PC/IMM<0>\NG
02	IP-AS.PC/IMM<3>\NG
03	IP-AS.PC/IMM<5>\NG
04	IP-AS.PC/IMM<9>\NG
05	IP-AS.PC/IMM<12>\NG
06	IP-AS.PC/IMM<14>\NG
07	IP-AS.PC/IMM<17>\NG
08	IP-AS.PC/IMM<20>\NG
09	IP-AS.PC/IMM<22>\NG
10	IP-AS.PC/IMM<25>\NG
11	IP-AS.PC/IMM<28>\NG
12	IP-AS.PC/IMM<31>\NG
13	AT-EP.DATA SIZ/VAL<1>\NG
14	AT-EP.RTN CTL<1>\NG
15	AT-EP.RTN CTL<4>\NG
16	AS-AT.REQCYC<2>\NG
17	AS-AT.REQCYC<4>\NG
18	EP-AT.RTN CTL<1>\NG
19	BP-AT.RTN CTL<4>\NG
20	EP-AT.LADDR<0>\NG
21	EP-AT.LADDR<3>\NG
22	BP-AT.LADDR<5>\NG
23	EP-AT.LADDR<8>\NG
24	BP-AT.LADDR<11>\NG
25	EP-AT.LADDR<13>\NG
26	BP-AT.LADDR<16>\NG
27	EP-AT.LADDR<19>\NG
28	BP-AT.LADDR<22>\NG
29	EP-AT.LADDR<25>\NG
30	BP-AT.LADDR<27>\NG
31	EP-AT.LADDR<30>\NG
32	AT-BP.SRC DAT<0>\NG

C	
01	IP-AS.PC/IMM<1>\NG
02	IP-AS.PC/IMM<4>\NG
03	IP-AS.PC/IMM<7>\NG
04	IP-AS.PC/IMM<10>\NG
05	CONGND \NG
06	IP-AS.PC/IMM<15>\NG
07	IP-AS.PC/IMM<18>\NG
08	IP-AS.PC/IMM<21>\NG
09	IP-AS.PC/IMM<23>\NG
10	IP-AS.PC/IMM<26>\NG
11	IP-AS.PC/IMM<29>\NG
12	AS-IP.IMM SEL\NG
13	CONGND \NG
14	AT-BP.RTN CTL<2>\NG
15	AS-AT.REQCYC<0>\NG
16	AS-AT.REQCYC<3>\NG
17	AS-AT.REQCYC<5>\NG
18	BP-AT.RTN CTL<2>\NG
19	AS-AT.REQSIZ<0>\NG
20	EP-AT.LADDR<1>\NG
21	CONGND \NG
22	BP-AT.LADDR<6>\NG
23	EP-AT.LADDR<9>\NG
24	BP-AT.LADDR<12>\NG
25	EP-AT.LADDR<14>\NG
26	BP-AT.LADDR<17>\NG
27	EP-AT.LADDR<20>\NG
28	BP-AT.LADDR<23>\NG
29	CONGND \NG
30	BP-AT.LADDR<28>\NG
31	EP-AT.LADDR<31>\NG
32	AT-BP.SRC DAT<1>\NG

U188N7
CONNECTOR P3

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASUCON
DRAWING: 410-000129-300 REV D.00
REVISED: Mon Dec 17 16:34:30 1984

ABBR: ASUCONS
ENGR: JONES

PAGE: ASU.16 ASUCON.3

IP

300-41512-295

- 01 ○ CONGND \G
- 02 ○ AS-AT. INST SEG<0>\G
- 03 ○ IP-AS. INST SEG<0>\G
- 04 ○ IP-EP. IREG<0>\G
- 05 ○ IP-EP. IREG<1>\G
- 06 ○ IP-EP. IREG<2>\G
- 07 ○ IP-AS. SEL IREG\G
- 08 ○ AS-IP. ASU REY\G
- 09 ○ CONGND \G
- 10 ○ VC-AS. FAULT ACK\G
- 11 ○ AS-BP. ST CONTX\G
- 12 ○ NC
- 13 ○ AT-AS. LDUP ACK\G
- 14 ○ AT-AS. STUP ACK\G
- 15 ○ AS-AT. STMEN REQ\G
- 16 ○ AS-AT. STUP REQ\G
- 17 ○ CONGND \G
- 18 ○ AS-MC. P_LIBRED* \G
- 19 ○ MC-AS. P_LIBGANT* \G
- 20 ○ NC
- 21 ○ AS-VC. RUN SEQ\G
- 22 ○ VC-AS. SET PDZ\G
- 23 ○ VC-AS. SET FOUN\G
- 24 ○ VC-AS. SET SIU\G
- 25 ○ CONGND \G
- 26 ○ AS-IP. JMP ADR<29> \G
- 27 ○ AS-PC. FLUSH PCU\G
- 28 ○ AS-IP. IPU INH\G
- 29 ○ AS-AT. LCAC INH\G
- 30 ○ NC
- 31 ○ NC
- 32 ○ SR-AS. 2MHZ\G

- B
- 01 ○ NC
- 02 ○ AS-AT. INST SEG<1>\G
- 03 ○ IP-AS. INST SEG<1>\G
- 04 ○ IP-EP. JREG<0>\G
- 05 ○ IP-EP. JREG<1>\G
- 06 ○ IP-EP. JREG<2>\G
- 07 ○ IP-AS. J BREG\G
- 08 ○ AS-AT. FPO FLT EN\G
- 09 ○ VC-AS. FSN HAIN\G
- 10 ○ AT-EP. FAULT\G
- 11 ○ AS-BP. LD CONTX\G
- 12 ○ AT-AS. LCAC HIT\G
- 13 ○ AT-AS. LDUP ACK\G
- 14 ○ AT-AS. STUP ACK\G
- 15 ○ NC
- 16 ○ AS-AT. MEMPED\G
- 17 ○ IP-EP. OPND SIZ<0>\G
- 18 ○ AS-AT. IND\G
- 19 ○ NC
- 20 ○ NC
- 21 ○ AT-AS. PAR CHK\G
- 22 ○ VC-AS. SET FDZ\G
- 23 ○ VC-AS. SET FUN\G
- 24 ○ VC-AS. SET RIU\G
- 25 ○ IP-AS. S STEP\G
- 26 ○ AS-IP. JMP ADR<30> \G
- 27 ○ AT-AS. LA EN\G
- 28 ○ AS-AT. LOG=PHY\G
- 29 ○ EP-BP. P_LIBINTV<4> \G
- 30 ○ EP-BP. P_LIBINTV<5> \G
- 31 ○ EP-BP. P_LIBINTV<6> \G
- 32 ○ EP-BP. P_LIBINTV<7> \G

- C
- 01 ○ IP-AS. DISPATCH\G
- 02 ○ AS-AT. INST SEG<2>\G
- 03 ○ IP-AS. INST SEG<2>\G
- 04 ○ IP-EP. KREG<0>\G
- 05 ○ CONGND \G
- 06 ○ IP-EP. KREG<1>\G
- 07 ○ IP-EP. KREG<2>\G
- 08 ○ IP-AS. K BREG\G
- 09 ○ AT-AS. ATU IDLE\G
- 10 ○ AS-BP. FAULT RET\G
- 11 ○ AS-IP. IPU SEQ\G
- 12 ○ AT-AS. LCAC CAND\G
- 13 ○ CONGND \G
- 14 ○ AT-AS. STAT ACK\G
- 15 ○ NC
- 16 ○ AS-AT. REQ INH\G
- 17 ○ IP-EP. OPND SIZ<1>\G
- 18 ○ MC-BP. P_LIBINT* \G
- 19 ○ BP-MC. P_LIBIACK* \G
- 20 ○ MC-BP. P_LIBICOMP* \G
- 21 ○ CONGND \G
- 22 ○ VC-AS. SET ROP\G
- 23 ○ VC-AS. SET SDZ\G
- 24 ○ VC-AS. UNUSED* \G
- 25 ○ VC-AS. CTRUEN\G
- 26 ○ AS-IP. JMP ADR<31> \G
- 27 ○ BP-BP. P_LIBINTV<0> \G
- 28 ○ AS-AT. PURGE LCACK\G
- 29 ○ CONGND \G
- 30 ○ BP-BP. P_LIBINTV<1> \G
- 31 ○ EP-BP. P_LIBINTV<2> \G
- 32 ○ EP-BP. P_LIBINTV<3> \G

U183T6
CONNECTOR P4

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



TITLE: ASUCON	ABBR: ASUCONS
DRAWING: 410-000129-300 REV D.00	ENGR: JONES
REVISED: Mon Dec 17 16:35:15 1984	PAGE: ASU.16 ASUCON.4

IP
300-41512-000

A	
01	CONVCC NG
02	CONVCC NG
03	CONVCC NG
04	CONGND NG
05	CONGND NG
06	CONGND NG
07	NC
08	NC
09	CONGND NG
10	NC
11	NC
12	NC
13	NC
14	NC
15	NC
16	NC
17	CONGND NG
18	NC
19	NC
20	NC
21	NC
22	NC
23	AS-IP, TRAP*NG
24	NC
25	CONGND NG
26	IP-AS, BR ENK*NG
27	CONGND NG
28	CONGND NG
29	CONGND NG
30	CONVCC NG
31	CONVCC NG
32	CONVCC NG

E	
01	CONVCC NG
02	CONVCC NG
03	CONVCC NG
04	CONGND NG
05	CONGND NG
06	CONGND NG
07	IO-AS, ASL20MHZ NG
08	IO-AS, ASLPHASE NG
09	NC
10	AS-IO, ASLERR* NG
11	IO-AS, ASUCDENAK NG
12	IO-EP, JPEHODE* NG
13	IO-EP, JPSCTL<0>* NG
14	IO-EP, JPSCTL<1>* NG
15	IO-EP, JPLDRAM* NG
16	IO-EP, JPCLEAR* NG
17	IO-EP, JPLSBDOUT* NG
18	IO-EP, JPLSBDOUT* NG
19	EP-EP, JPHALT* NG
20	NC
21	NC
22	NC
23	IP-AS, INST DISP*NG
24	NC
25	AS-IP, UEC VAL*NG
26	AS-IP, TAKE BRK*NG
27	CONGND NG
28	CONGND NG
29	CONGND NG
30	CONVCC NG
31	CONVCC NG
32	CONVCC NG

C	
01	CONVCC NG
02	CONVCC NG
03	CONVCC NG
04	CONGND NG
05	CONGND NG
06	CONGND NG
07	NC
08	NC
09	NC
10	NC
11	NC
12	NC
13	CONGND NG
14	AS-PM, HAZ*NG
15	AS-PM, RFBUS CYCK*NG
16	AS-PM, UINST VALID*NG
17	AS-PM, UPQ PUSH*NG
18	AS-PM, UPQ SEL<1>*NG
19	AS-PM, UPQ SEL<0>*NG
20	AS-PM, UPQ EMP*NG
21	CONGND NG
22	NC
23	AS-IP, PURGE ICACK*NG
24	NC
25	IP-AS, UEC TRAP*NG
26	AS-IP, BR HAZ*NG
27	CONGND NG
28	CONGND NG
29	CONGND NG
30	CONVCC NG
31	CONVCC NG
32	CONVCC NG

U188YS
CONNECTOR PS

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASUCON
DRAWING: 410-000129-300 REV D.00
REVISED: Mon Dec 17 15:35:49 1984

ABBR: ASUCONS
ENGR: JONES

PAGE: ASU.16 ASUCON.5

8

7

6

3

2

1

1P
 300-4181A-035

C	
32	CONGNDG
31	AS-IP TRAP ID<2>NG
30	IP-AS-EP ADDR<5>NG
29	IP-AS-EP ADDR<4>NG
28	IP-AS-EP ADDR<3>NG
27	
26	
25	
24	CONGNDG
23	
22	
21	
20	
19	IP-AS-EP RAM ADDR<5>NG
18	IP-AS-EP RAM ADDR<4>NG
17	
16	CONGNDG
15	
14	
13	
12	
11	IP-AS-EP RAM ADDR<5>NG
10	IP-AS-EP RAM ADDR<4>NG
09	
08	CONGNDG
07	
06	
05	
04	
03	
02	
01	

B	
32	AS-IP TRAP ID<1>NG
31	
30	IP-AS-EP ADDR<5>NG
29	IP-AS-EP ADDR<4>NG
28	IP-AS-EP ADDR<3>NG
27	
26	
25	
24	
23	
22	
21	
20	
19	IP-AS-EP RAM ADDR<5>NG
18	IP-AS-EP RAM ADDR<4>NG
17	IP-AS-EP RAM ADDR<3>NG
16	
15	
14	
13	
12	
11	IP-AS-EP RAM ADDR<5>NG
10	IP-AS-EP RAM ADDR<4>NG
09	IP-AS-EP RAM ADDR<3>NG
08	
07	
06	
05	
04	
03	
02	
01	

A	
32	AS-IP TRAP ID<3>NG
31	AS-IP TRAP ID<2>NG
30	IP-AS-EP ADDR<5>NG
29	IP-AS-EP ADDR<4>NG
28	CONGNDG
27	
26	
25	
24	
23	
22	
21	
20	CONGNDG
19	IP-AS-EP RAM ADDR<7>NG
18	IP-AS-EP RAM ADDR<4>NG
17	IP-AS-EP RAM ADDR<1>NG
16	
15	
14	
13	
12	CONGNDG
11	IP-AS-EP RAM ADDR<7>NG
10	IP-AS-EP RAM ADDR<4>NG
09	IP-AS-EP RAM ADDR<1>NG
08	
07	
06	
05	CONGNDG
04	
03	
02	
01	

U002E7
 FOREPLANE J2

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984

DEFINE
 X_FIRST=0
 X_STEP=SIZE



CONVEX

TITLE: ASUPP	ABER: ASUPP
DRAWING: 410-000129-300 REV D.00	ENGR: GOSTIN
REVISED: Mon Dec 17 16:36:32 1984	PAGE: ASU.16 ASUPP.1

8

7

6

3

2

1

300-41012-300

C	
32	CONGNNG
31	
30	
29	
28	
27	
26	
25	
24	CONGNNG
23	
22	
21	
20	
19	
18	
17	CONGNNG
16	
15	
14	
13	
12	
11	
10	
09	CONGNNG
08	
07	
06	
05	
04	
03	
02	
01	

B	
32	IPC<11>NG
31	IPC<10>NG
30	IPC<9>NG
29	IPC<8>NG
28	IPC<7>NG
27	IPC<6>NG
26	IPC<5>NG
25	IPC<4>NG
24	IPC<3>NG
23	IPC<2>NG
22	IPC<1>NG
21	IPC<0>NG
20	
19	
18	LOCKENNG
17	ANALYZER CK ENNG
16	
15	
14	
13	
12	
11	
10	
09	
08	IP-AS.EP RAM ADDR<7>NG
07	IP-AS.EP RAM ADDR<6>NG
06	IP-AS.EP RAM ADDR<5>NG
05	IP-AS.EP RAM ADDR<4>NG
04	IP-AS.EP RAM ADDR<3>NG
03	IP-AS.EP RAM ADDR<2>NG
02	IP-AS.EP RAM ADDR<1>NG
01	IP-AS.EP RAM ADDR<0>NG

A	
32	
31	
30	
29	
28	CONGNNG
27	
26	
25	
24	
23	
22	
21	CONGNNG
20	
19	
18	
17	
16	
15	
14	
13	CONGNNG
12	
11	
10	
09	
08	
07	
06	
05	CONGNNG
04	
03	
02	
01	

U00204
FOREPLANE J5

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CONVEX COMPUTER CORPORATION (CONVEX). USE OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF AN OFFICER OF CONVEX IS EXPRESSLY FORBIDDEN. COPYRIGHT (C) CONVEX 1984



CONVEX

TITLE: ASUFP
DRAWING: 410-000129-300 REV D.00

ABBR: ASUFP
ENGR: GOSTIN

REVISED: Mon Dec 17 16:37:06 1984 PAGE: ASU.16 ASUFP.2

8

7

6

3

2

1