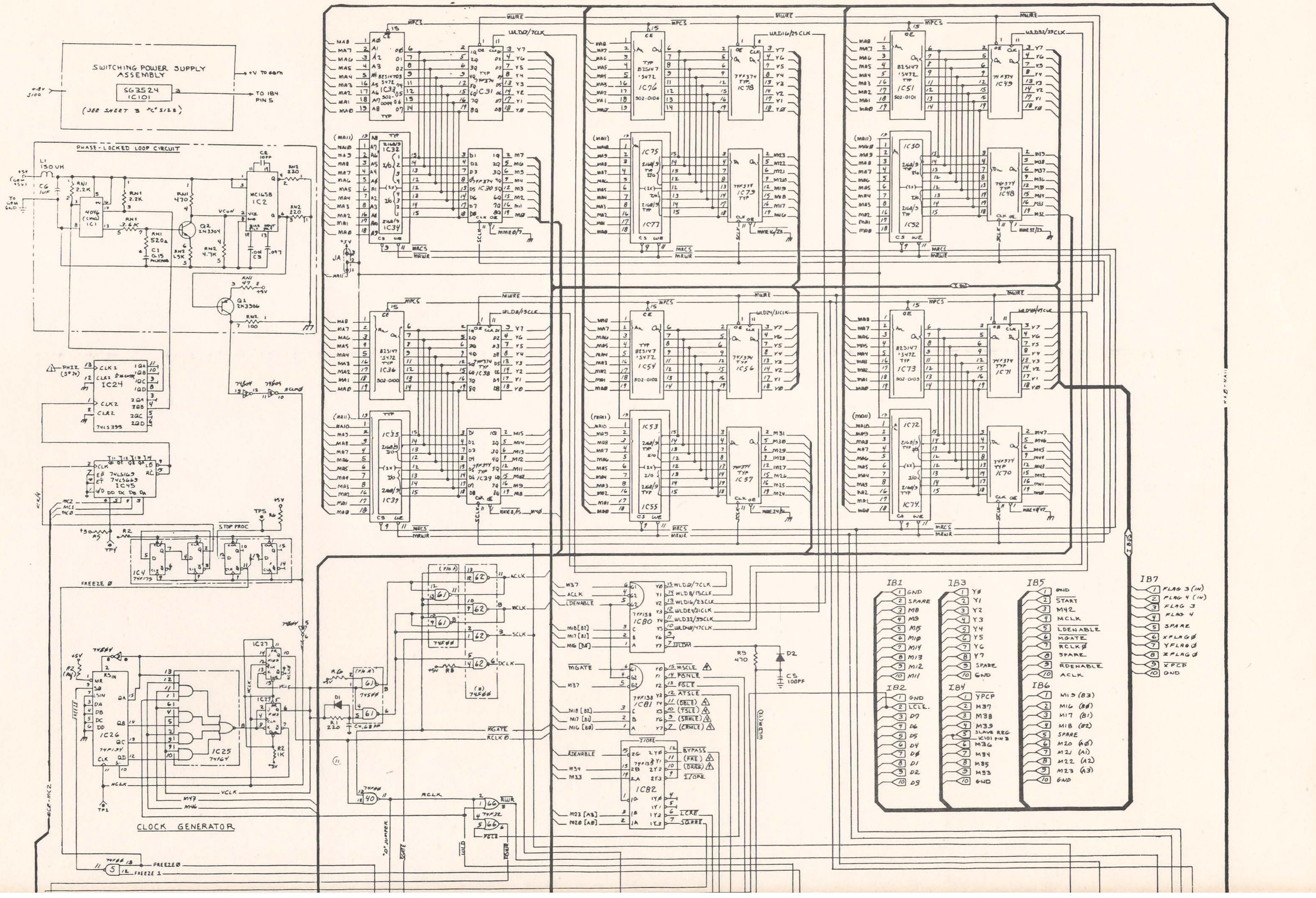
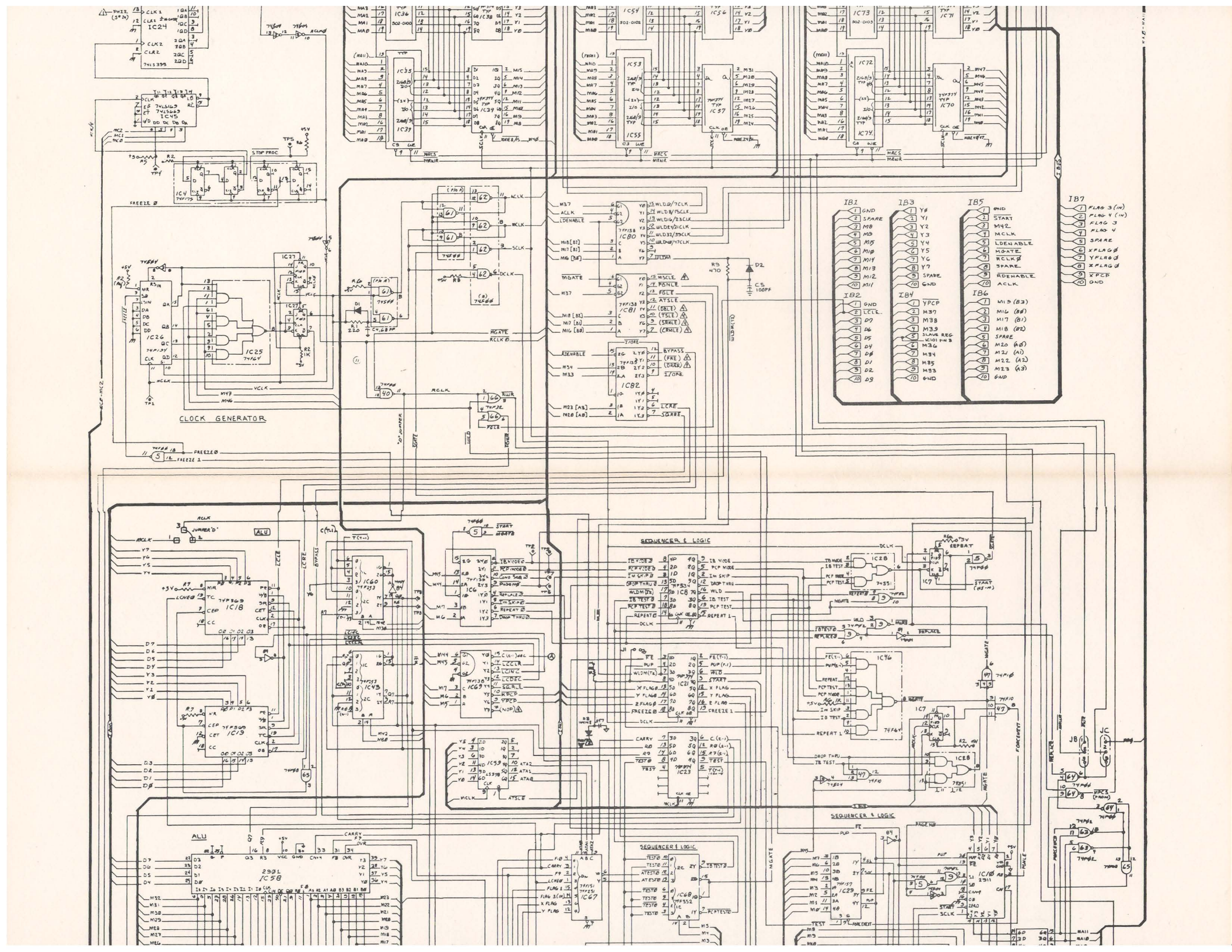
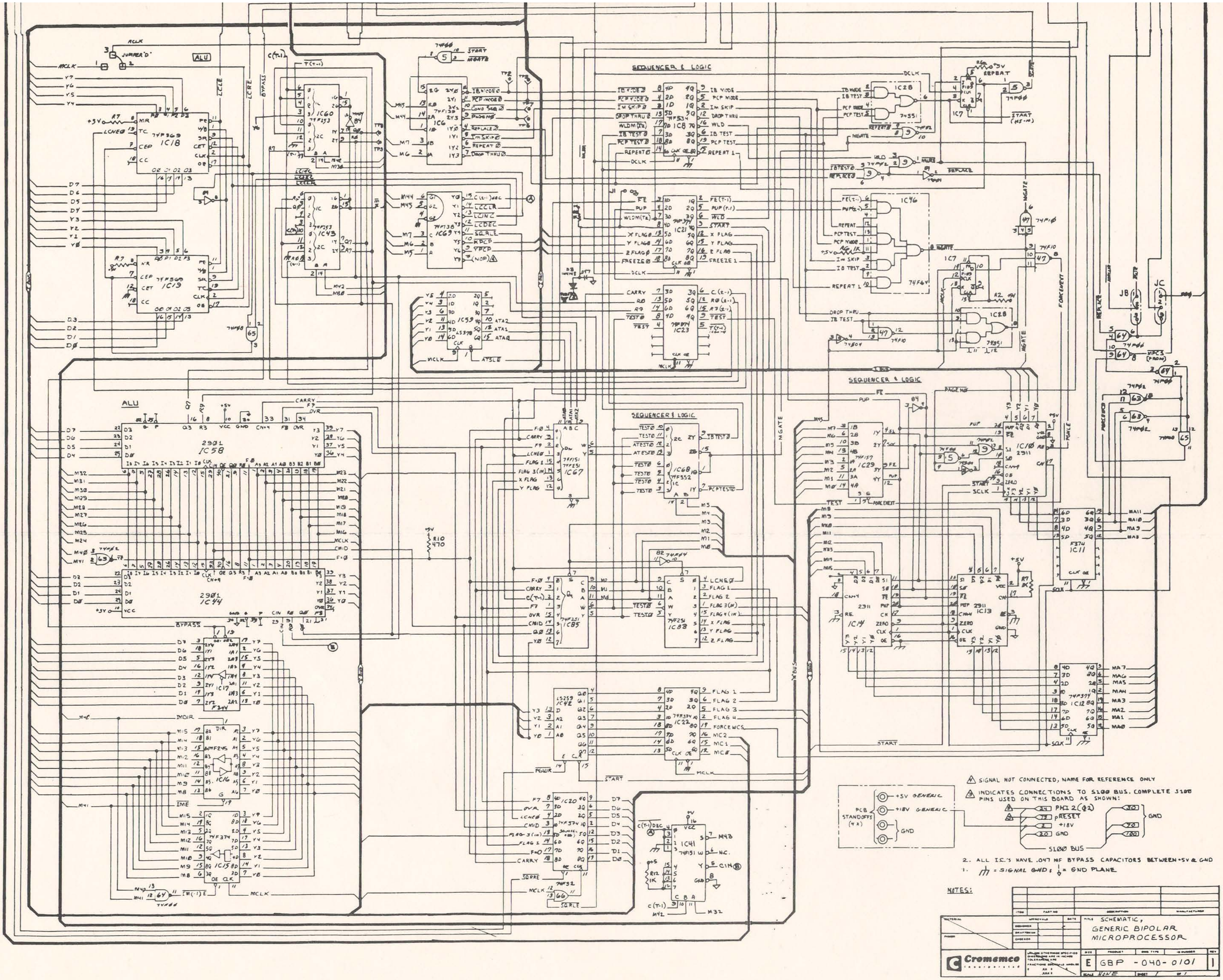
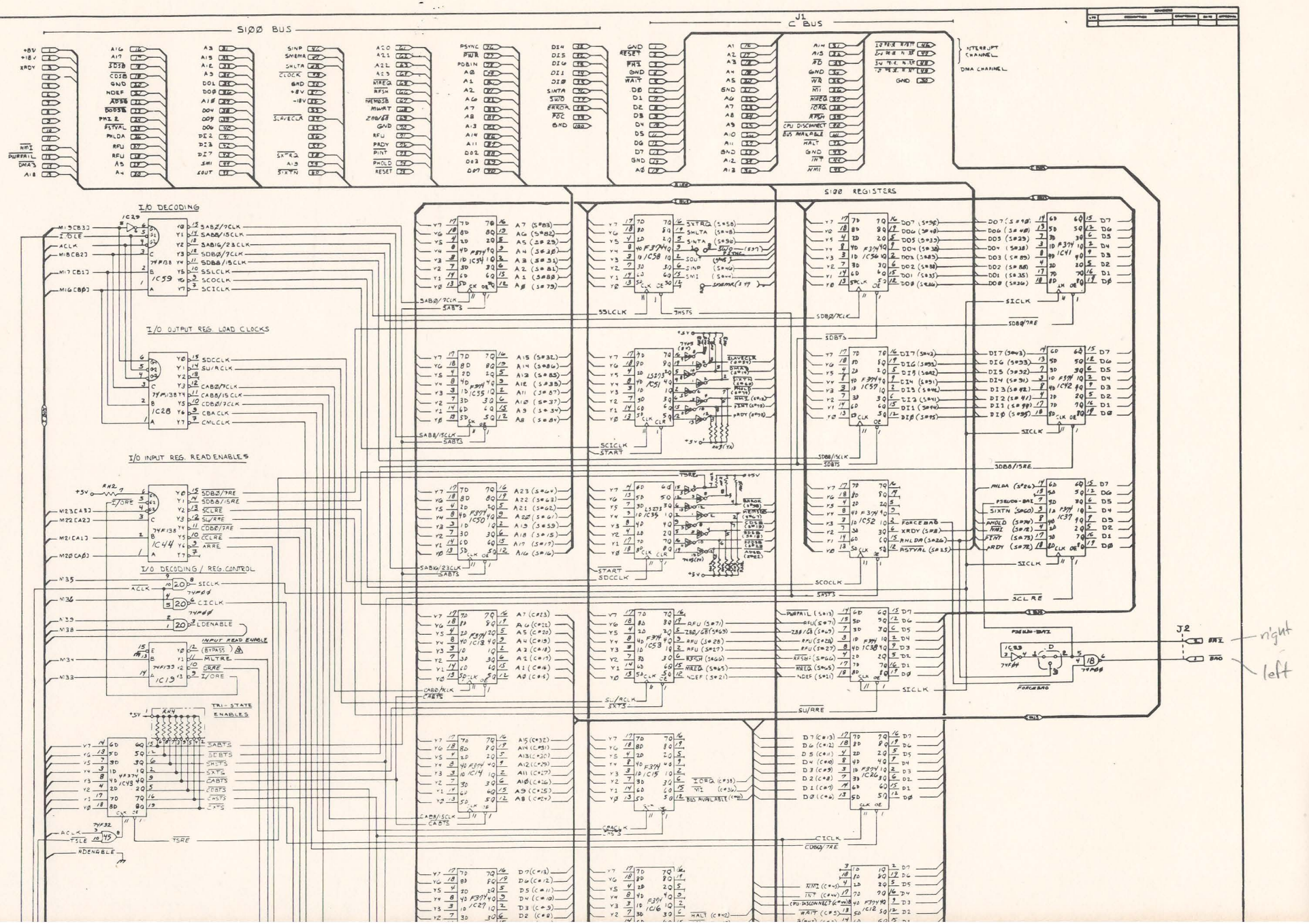
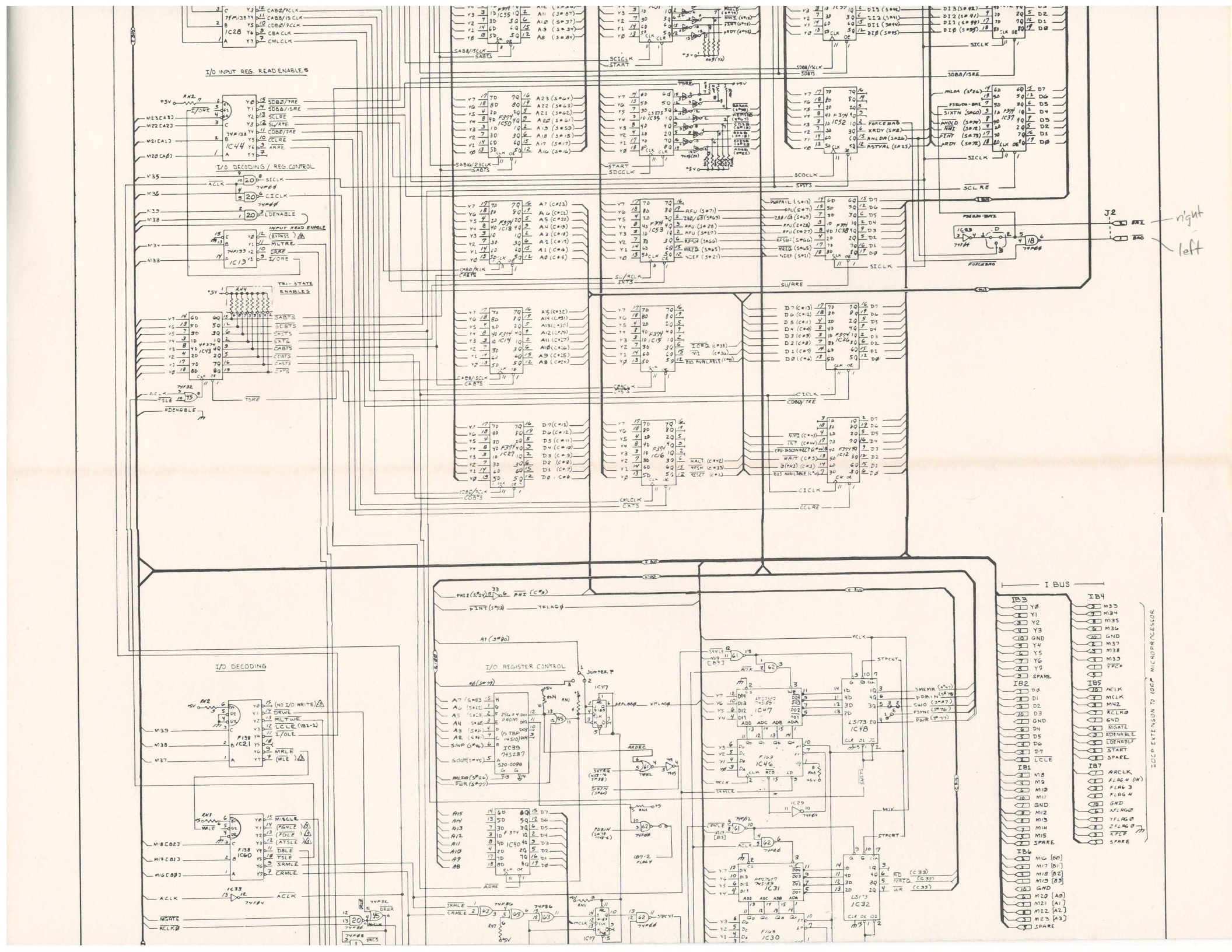
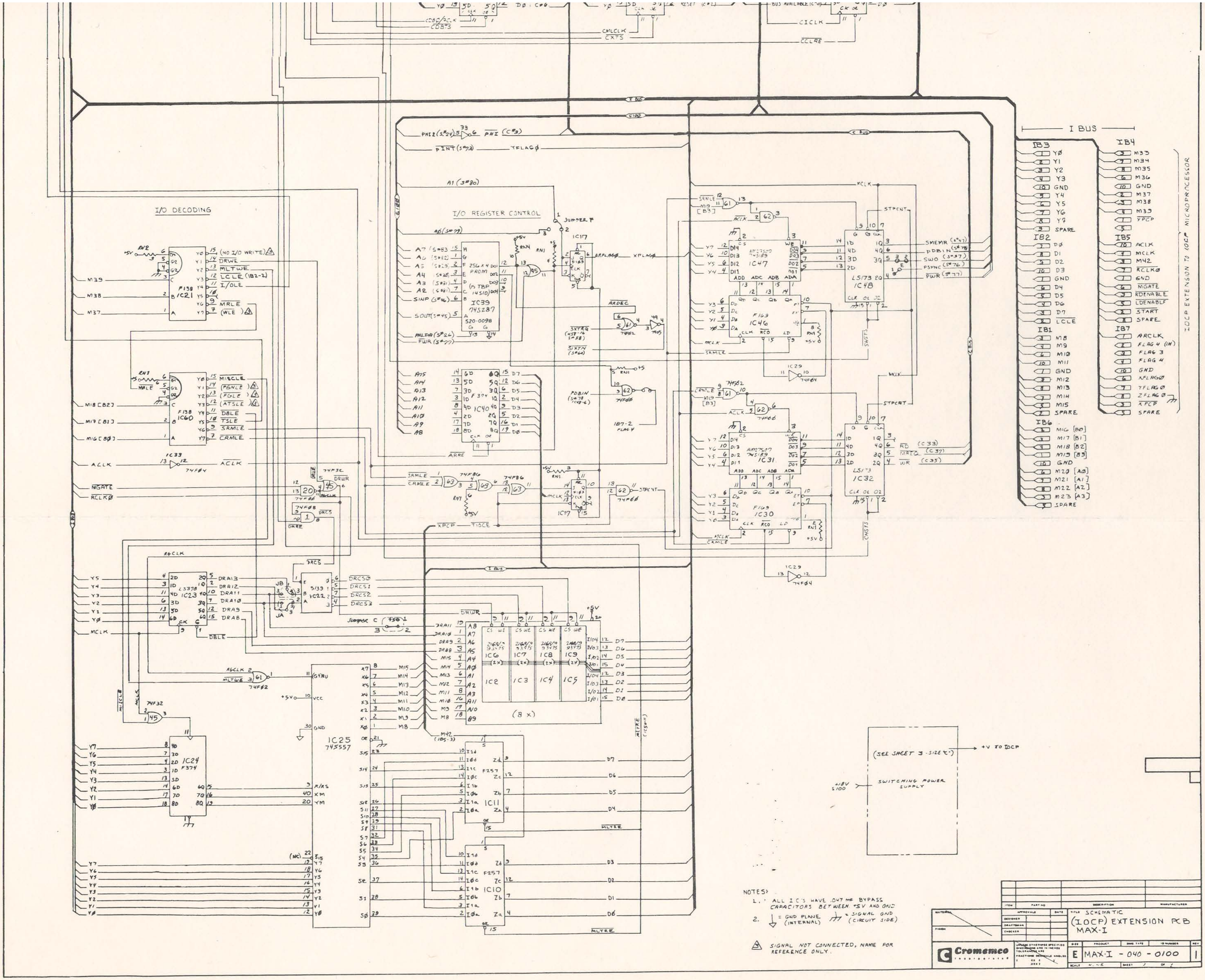

SWITCHING POWER SUPPLY ASSEMBLY
SG3524
IC101
(SEE SHEET 3 "C" SIZE)
TO IB4 PIN 5
PHASE-LOCKED LOOP CIRCUIT
MC1658
IC2
4046
IC1
2N3904
2N3906
IC24
74LS393
IC45
STOP PROC
FREEZE Ø
IC26
IC25
IC27
CLOCK GENERATOR
FREEZE Ø
FREEZE 1
ACLK
MCLK
SCLK
DCLK
RCLK
MGATE
RWR
ICB0
ICB1
ICB2
BYPASS
LCRE
SPARE
IB1
GND
SPARE
IB2
GND
LCLE
IB3
SPARE
GND
IB4
YPCP
SLAVE REG IC101 PIN 3
GND
IB5
GND
START
MCLK
LDENABLE
MGATE
RCLKØ
SPARE
RDENABLE
ACLK
IB6
SPARE
GND
IB7
FLAG 3 (IN)
FLAG 4 (IN)
FLAG 3
FLAG 4
SPARE
XFLAGØ
YFLAGØ
ZFLAGØ
XPCP
GND


CLOCK GENERATOR
ALU
SEQUENCER & LOGIC
IB1
IB2
IB3
IB4
IB5
IB6
IB7

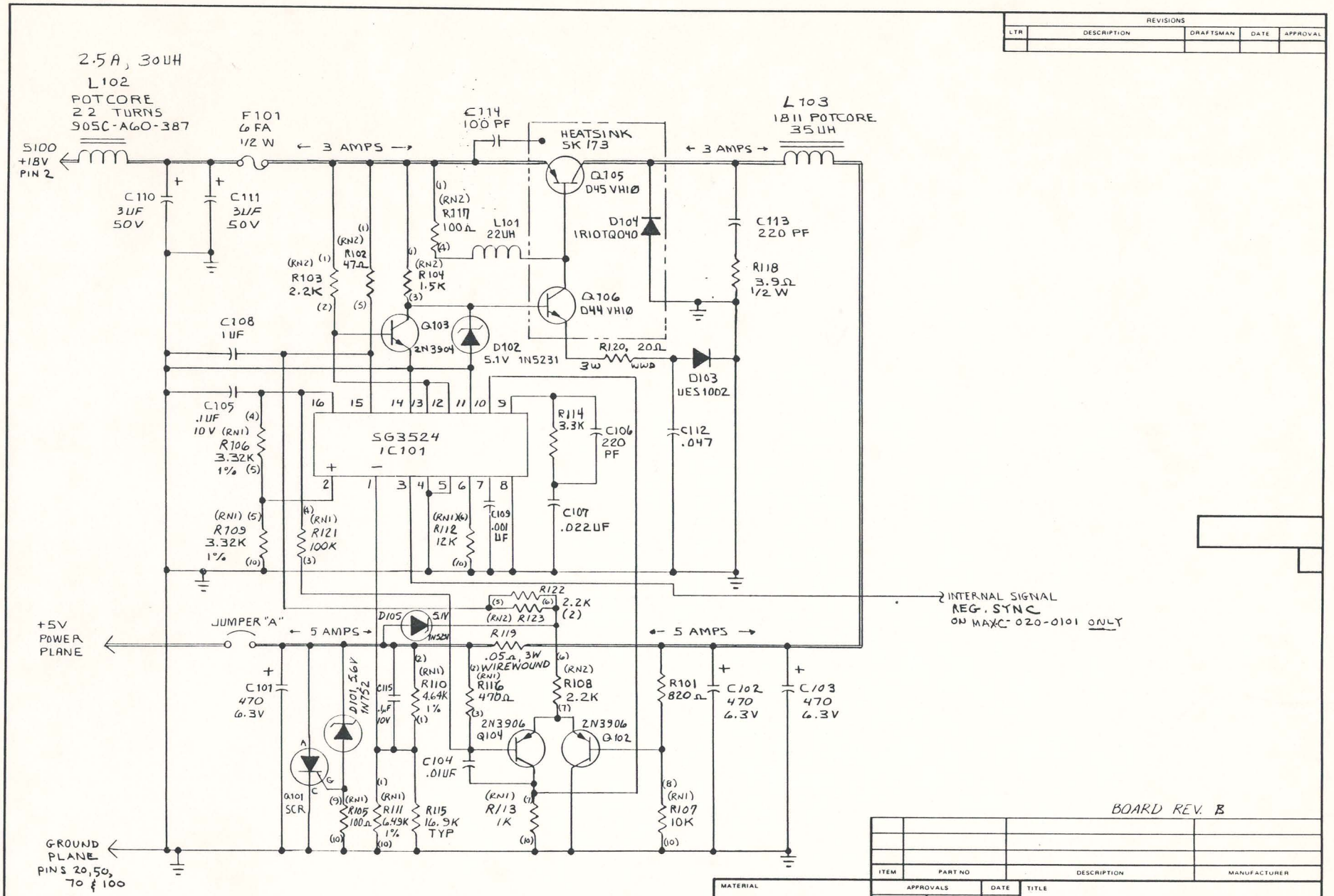

SEQUENCER & LOGIC
ALU
2901 IC58
2901 IC44
SIGNAL NOT CONNECTED, NAME FOR REFERENCE ONLY
INDICATES CONNECTIONS TO S100 BUS. COMPLETE S100 PINS USED ON THIS BOARD AS SHOWN:
PCB STANDOFFS (4 X)
+5V GENERIC
+18V GENERIC
GND
S100 BUS
2. ALL I.C.'S HAVE .047 MF BYPASS CAPACITORS BETWEEN +5V & GND
1. = SIGNAL GND; = GND PLANE
NOTES:
SCHEMATIC,
GENERIC BIPOLAR
MICROPROCESSOR
Cromemco
E GBP -040-0101 1


SIØØ BUS
J1
C BUS
I/O DECODING
I/O OUTPUT REG. LOAD CLOCKS
I/O INPUT REG. READ ENABLES
I/O DECODING / REG. CONTROL
TRI-STATE ENABLES
SIØØ REGISTERS
INTERRUPT CHANNEL
DMA CHANNEL
J2
right
left


I/O INPUT REG. READ ENABLES
I/O DECODING / REG. CONTROL
INPUT READ ENABLE
TRI-STATE ENABLES
I/O DECODING
I/O REGISTER CONTROL
I BUS
J2
right
left
FORCEBAD
IOCB EXTENSION TO IOCP MICROPROCESSOR



I BUS
IB3
IB4
IB2
IB5
IB1
IB7
IB6
I/O DECODING
I/O REGISTER CONTROL
IOCP EXTENSION TO IOCP MICROPROCESSOR
(SEE SHEET 3 - SIZE "C")
SWITCHING POWER SUPPLY
+V TO IOCP
NOTES:
1. ALL IC'S HAVE .047 mF BYPASS CAPACITORS BETWEEN +5V AND GND
2. = GND PLANE (INTERNAL) = SIGNAL GND (CIRCUIT SIDE)
SIGNAL NOT CONNECTED, NAME FOR REFERENCE ONLY.
SCHEMATIC
(IOCP) EXTENSION PCB
MAX-I
Cromemco
E
MAX-I - 040 - 0100
1



REVISIONS				
LTR	DESCRIPTION	DRAFTSMAN	DATE	APPROVAL

BOARD REV. B

ITEM	PART NO	DESCRIPTION	MANUFACTURER

MATERIAL

FINISH

APPROVALS		DATE
DESIGNER		
DRAFTSMAN		
CHECKER		

TITLE
25 W S100 BOARD
SWITCHING POWER SUPPLY

Cromemco incorporated

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE
FRACTIONS DECIMALS ANGLES
± XX ± ±
XXX ±

SIZE	PRODUCT	DWG. TYPE	ID NUMBER	REV.
C	MAX-C-040	-	0101	2

SCALE — SHEET 3 OF 3