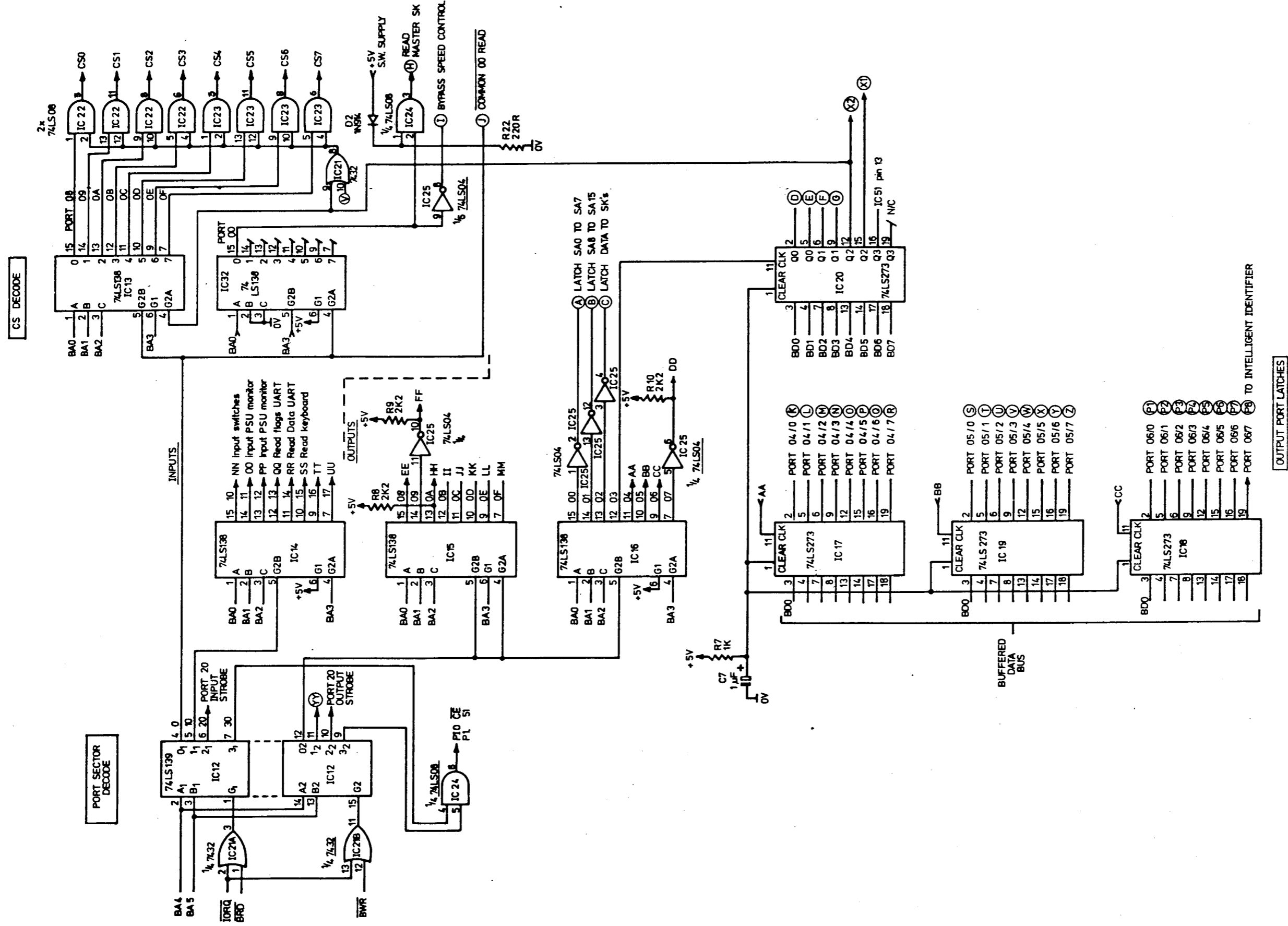


E SERIES PROGRAMMER CIRCUIT		
C.R.U. CIRCUIT		
DRAWN	JS	ELAN DIGITAL SYSTEMS LTD.
ISSUE	1	
DRG No.	296/1	



E SERIES PROGRAMMER CIRCUIT	
PORT & CS DECODE CIRCUITS	
DRAWN P.J.L.	ELAN DIGITAL
ISSUE 1	SYSTEMS LTD
DRG. No. 296/2	M183 8/5/84

OUTPUT PORT LATCHES

TO INTELLIGENT IDENTIFIER

BUFFERED DATA BUS

+5V
R7 1K
C7 1µF
0V

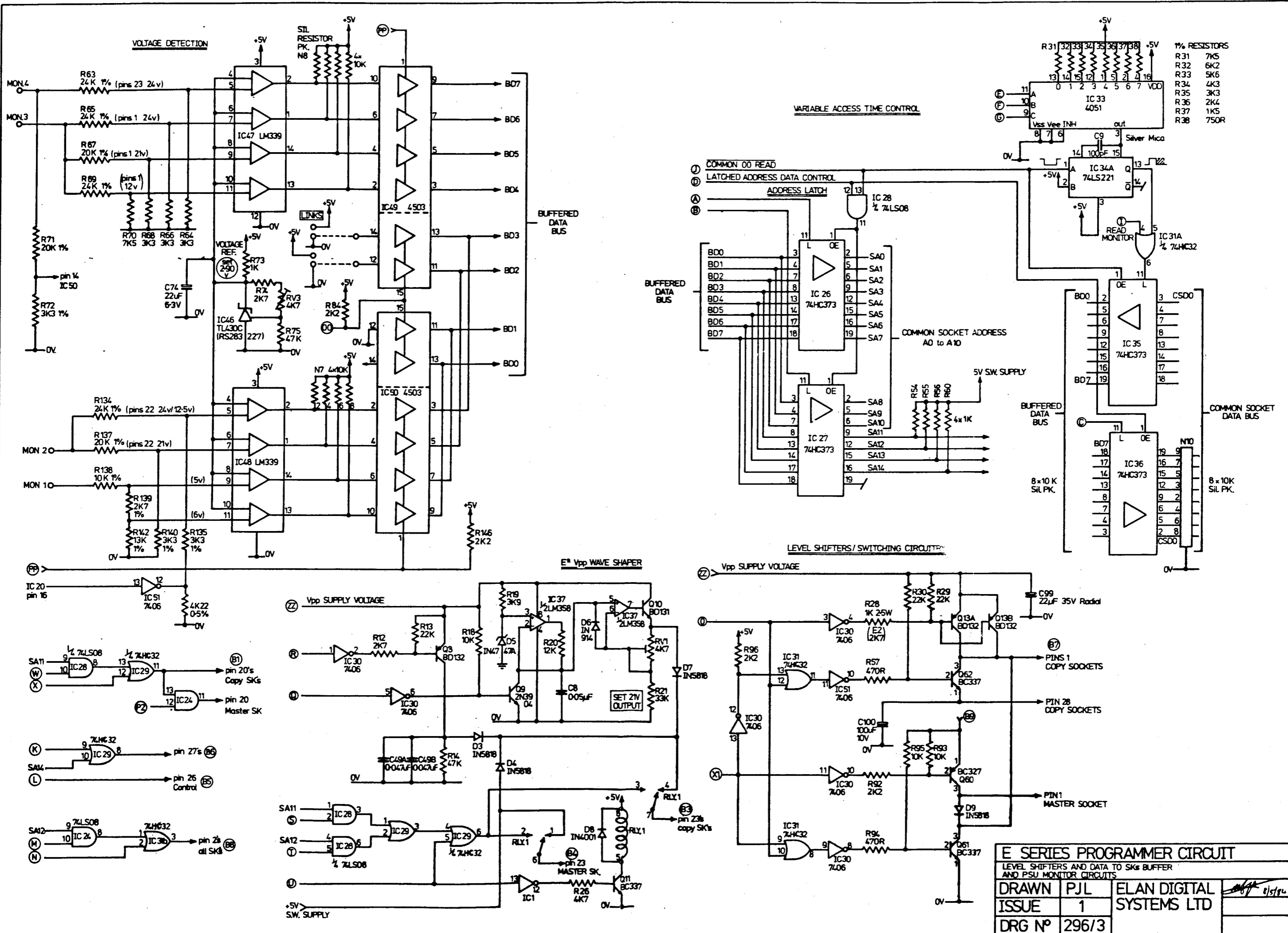
IC25
74LS04

IC15
74LS138

IC14
74LS138

PORT SECTOR DECODE

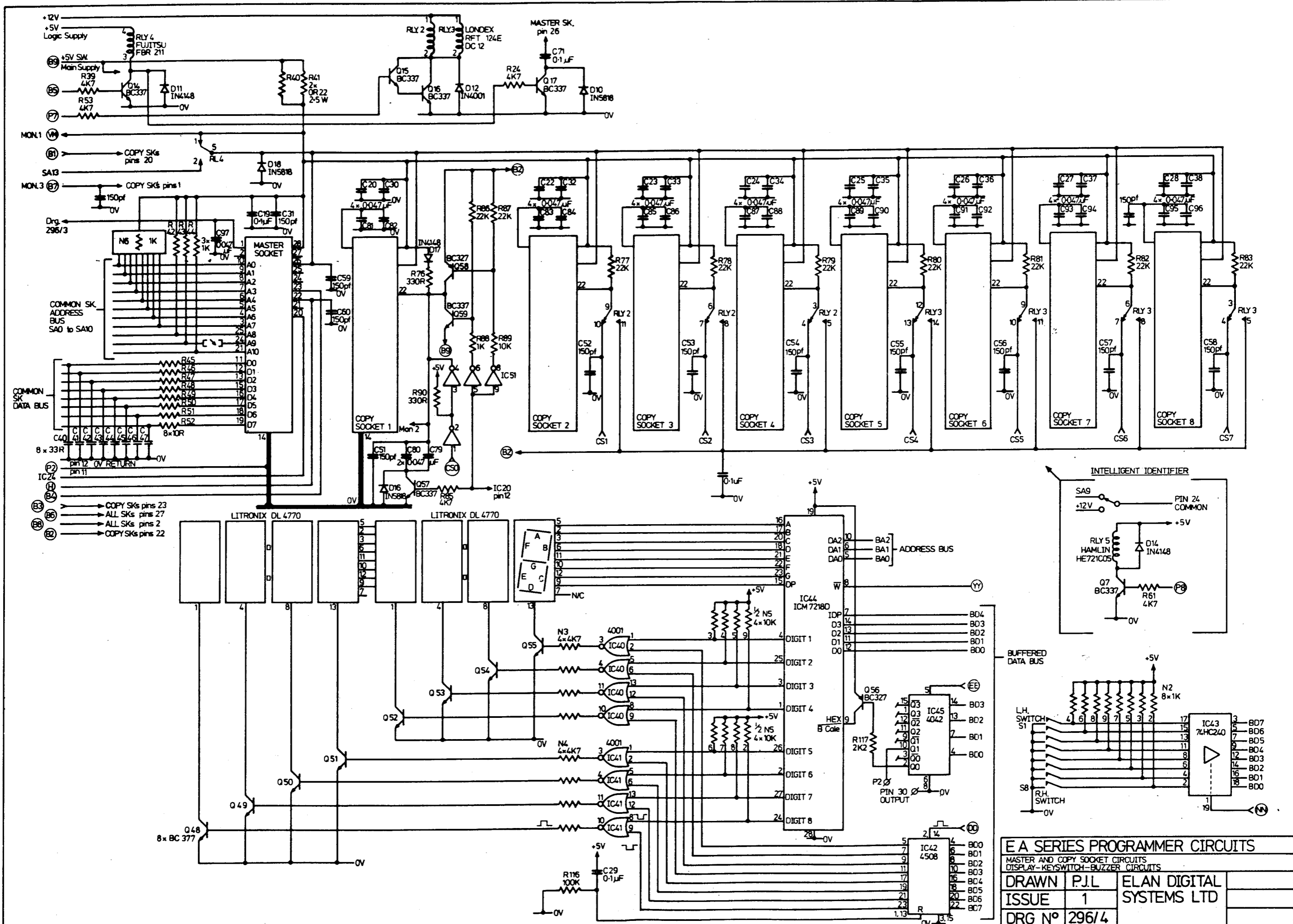
CS DECODE



1% RESISTORS

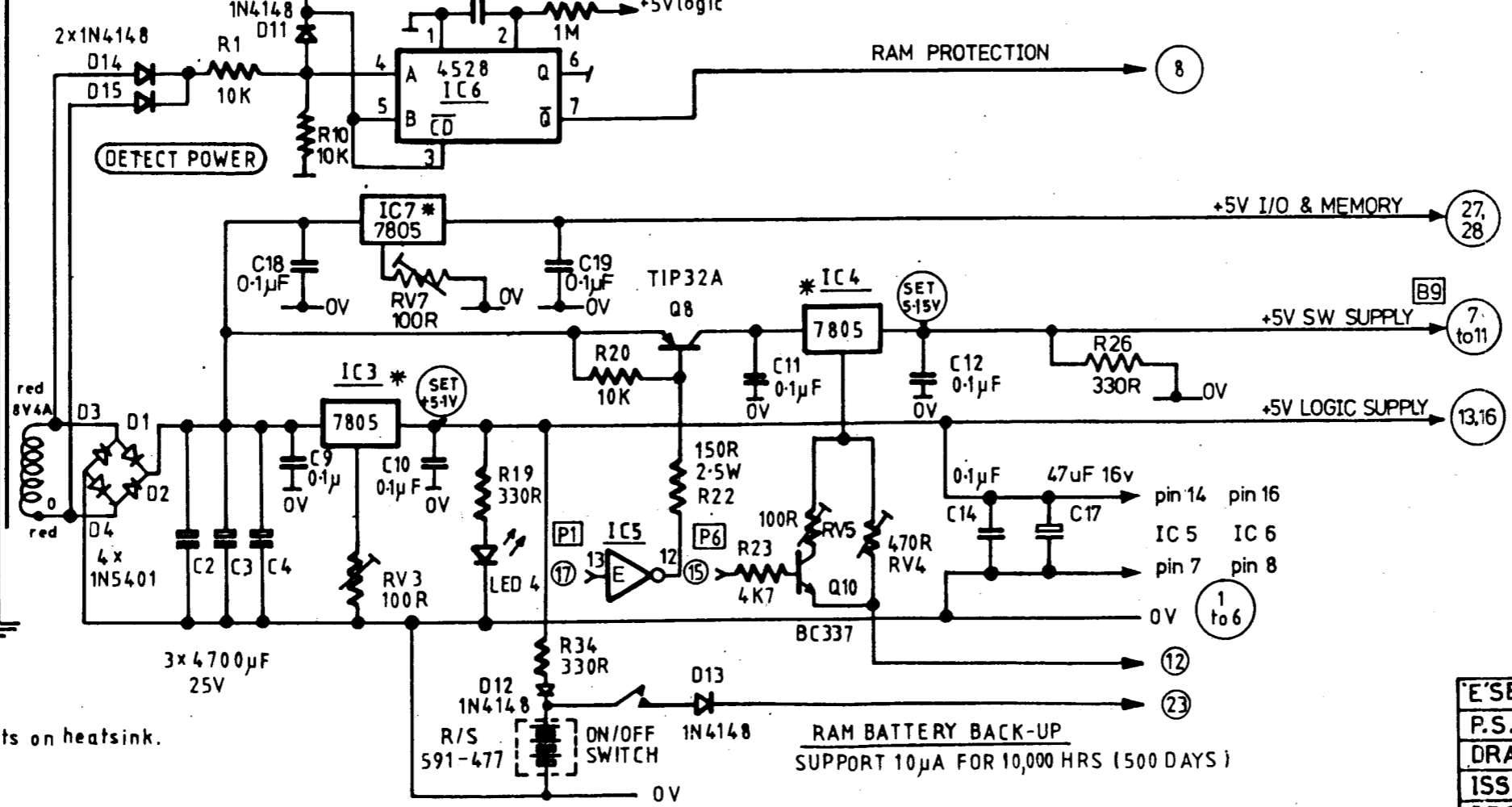
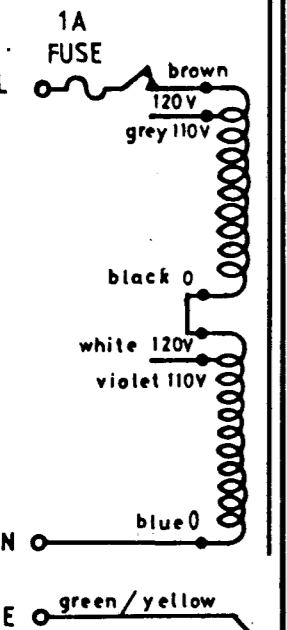
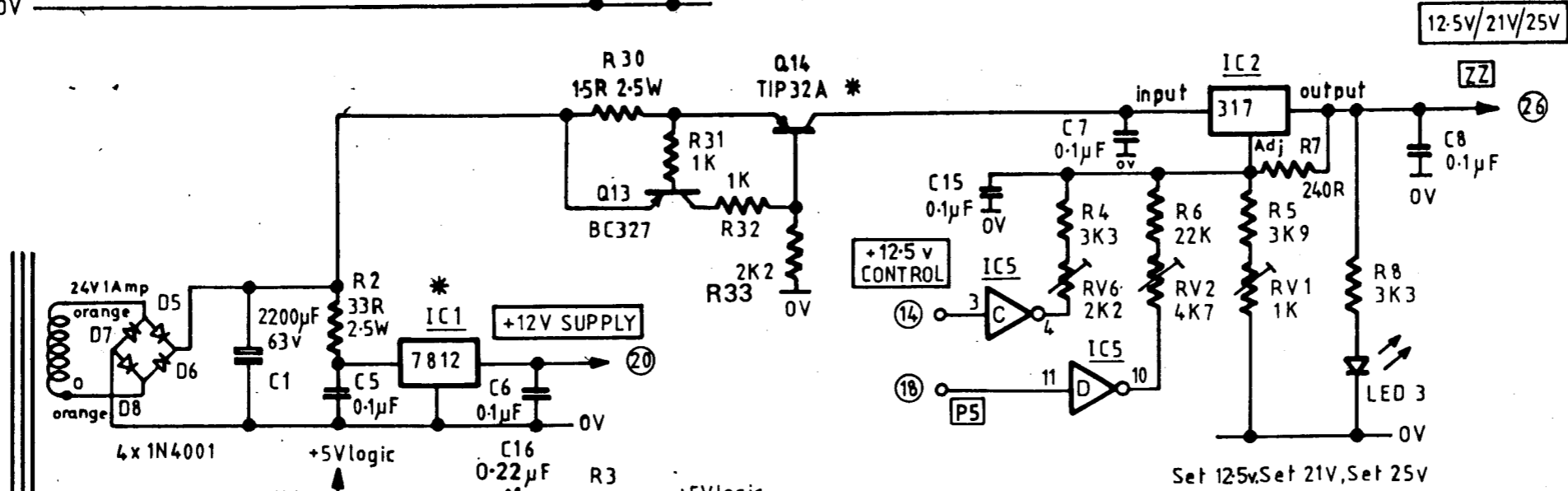
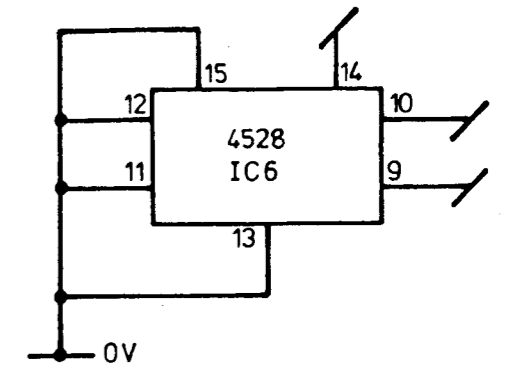
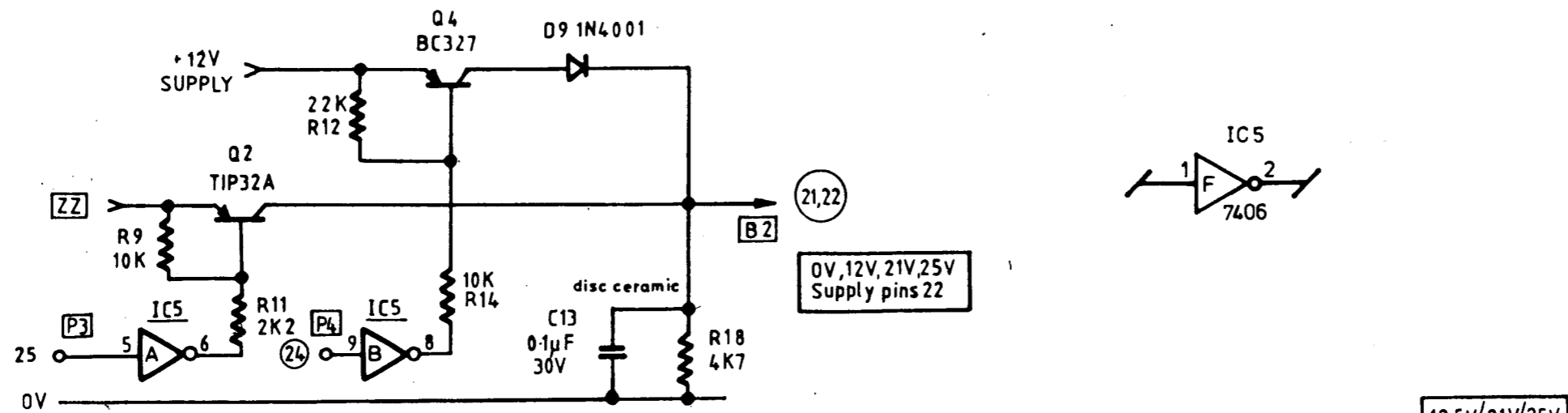
R31	7K5
R32	6K2
R33	5K6
R34	4K3
R35	3K3
R36	2K4
R37	1K5
R38	750R

E SERIES PROGRAMMER CIRCUIT		
LEVEL SHIFTERS AND DATA TO SKs BUFFER AND PSU MONITOR CIRCUITS		
DRAWN	PJL	ELAN DIGITAL SYSTEMS LTD
ISSUE	1	
DRG N°	296/3	



E A SERIES PROGRAMMER CIRCUITS
 MASTER AND COPY SOCKET CIRCUITS
 DISPLAY-KEYSWITCH-BUZZER CIRCUITS

DRAWN	P.J.L	ELAN DIGITAL SYSTEMS LTD
ISSUE	1	
DRG N°	296/4	



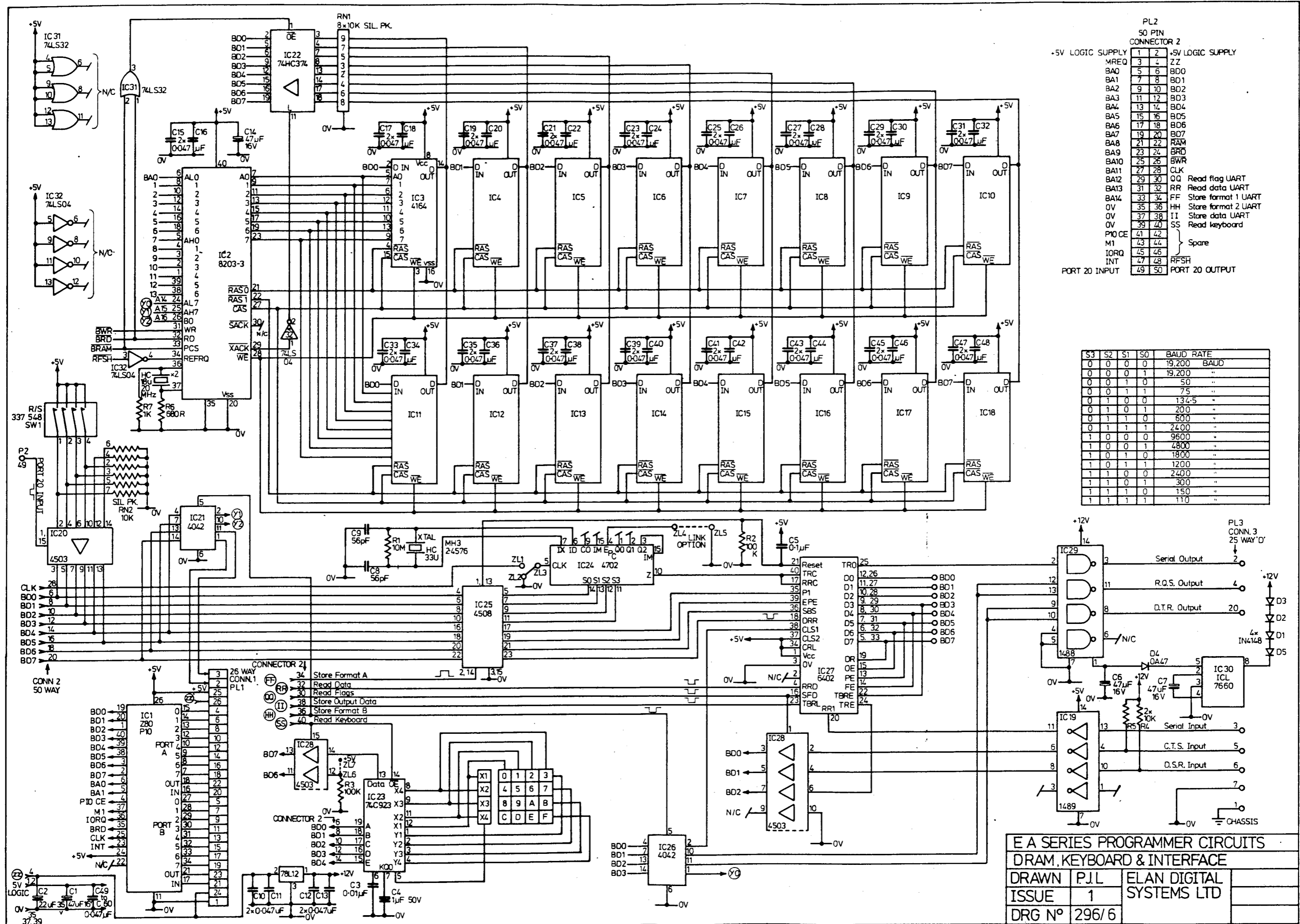
34 WAY CONNECTOR		
FUNCTION	WAYS	PIN No.
N/C	1	34
N/C	1	33
N/C	1	32
N/C	1	31
N/C	1	30
N/C	1	29
+5V SUPPLY TO I/O & MEMORY	2	27, 28
0V COMMON	6	1 to 6
RAM PROTECTION	1	8
+5V SW Supply	4	7, 9, 10, 11
0V return for IC4	1	12
+5V Logic	2	13 & 16
+13V Control	1	14
+5V/+6V Control	1	15
+5V SW Control	1	17
+21V Vpp Control	1	18
Piezo Sounder	1	19
+12V Supply	1	20
pin's 22 Supply	2	21, 22
Ram Battery	1	23
+12V Control	1	24
High Voltage to pins 22 Control	1	25
Upp Supply	1	26

* Mount these components on heatsink.

IC5 = 7406
IC6 = 4528

RAM BATTERY BACK-UP
SUPPORT 10µA FOR 10,000 HRS (500 DAYS)

E'SERIES PROGRAMMER CIRCUIT		
P.S.U. CIRCUIT		
DRAWN	JS	ELAN DIGITAL SYSTEMS LTD.
ISSUE	1	
DRG No.	296/5	



PL2
50 PIN
CONNECTOR 2

+5V LOGIC SUPPLY		+5V LOGIC SUPPLY	
MREQ	3	ZZ	
BA0	5	B00	
BA1	7	B01	
BA2	9	B02	
BA3	11	B03	
BA4	13	B04	
BA5	15	B05	
BA6	17	B06	
BA7	19	B07	
BA8	21	RAM	
BA9	23	BRD	
BA10	25	BWR	
BA11	27	CLK	
BA12	29	QQ	Read flag UART
BA13	31	RR	Read data UART
BA14	33	FF	Store format 1 UART
OV	35	HH	Store format 2 UART
OV	37	II	Store data UART
OV	39	SS	Read keyboard
P10 CE	41		
M1	43		Spare
IORQ	45		
INT	47	RF5H	
PORT 20 INPUT	49	PORT 20 OUTPUT	

S3	S2	S1	S0	BAUD RATE
0	0	0	0	19,200
0	0	0	1	19,200
0	0	1	0	50
0	0	1	1	75
0	1	0	0	134.5
0	1	0	1	200
0	1	1	0	600
0	1	1	1	2400
1	0	0	0	9600
1	0	0	1	4800
1	0	1	0	1800
1	0	1	1	1200
1	1	0	0	2400
1	1	0	1	300
1	1	1	0	150
1	1	1	1	110

E A SERIES PROGRAMMER CIRCUITS
DRAM, KEYBOARD & INTERFACE

DRAWN	P.J.L	ELAN DIGITAL SYSTEMS LTD
ISSUE	1	
DRG N°	296/6	