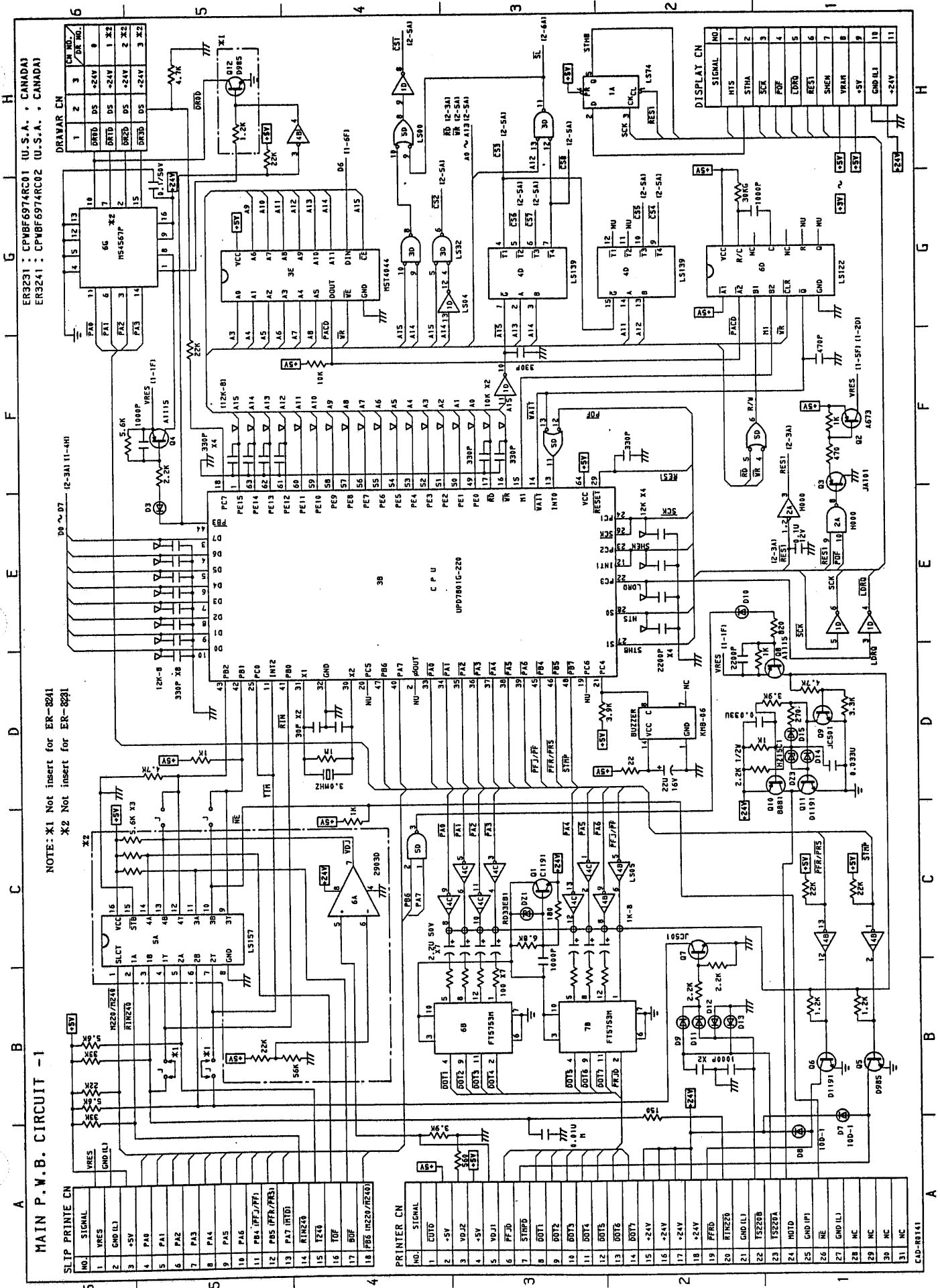


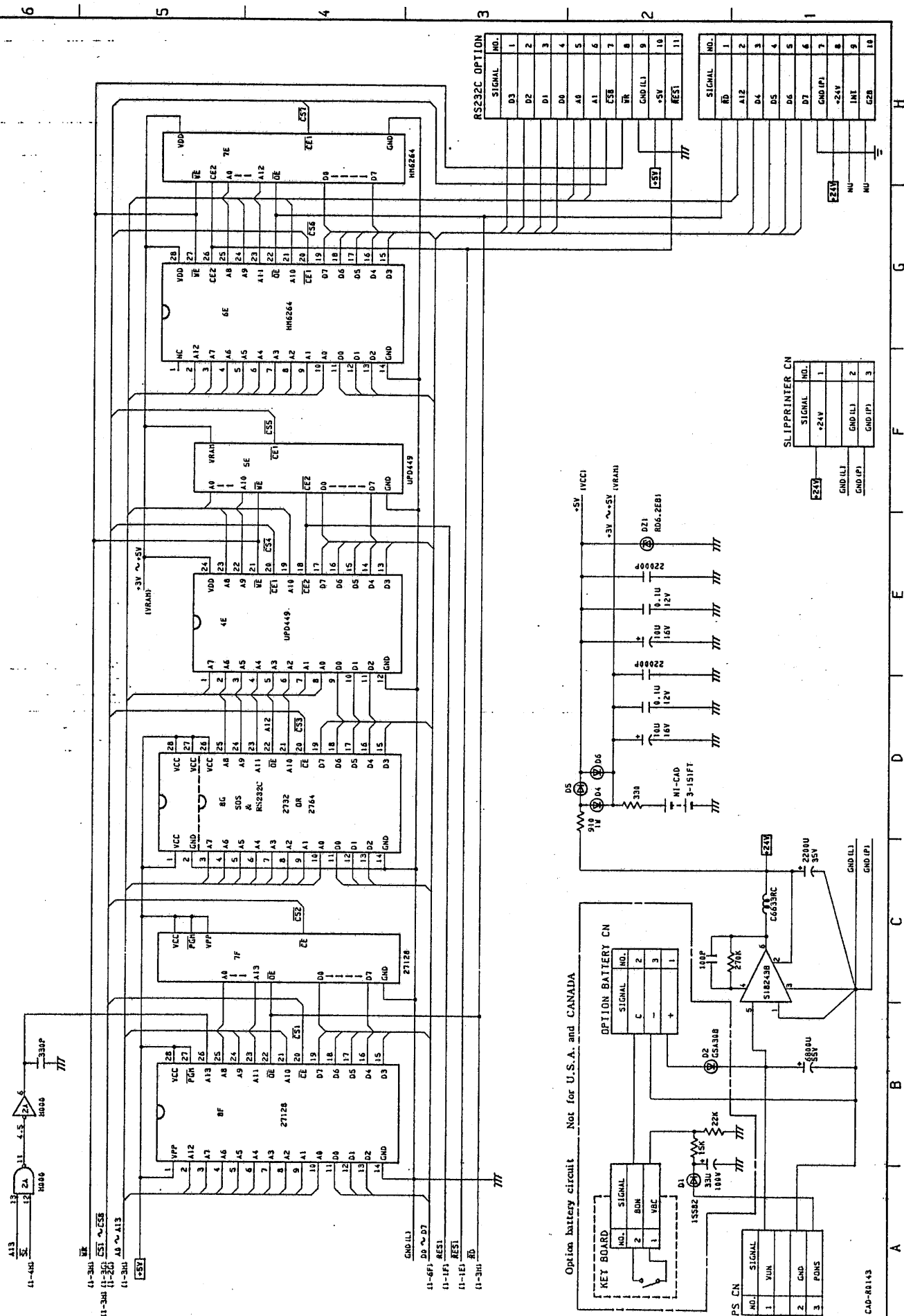
CIRCUIT DIAGRAMS AND BOARD LAYOUTS (INCLUDING ER-46SP1 CIRCUIT DIAGRAM)

MAIN P.W.B. CIRCUIT -1

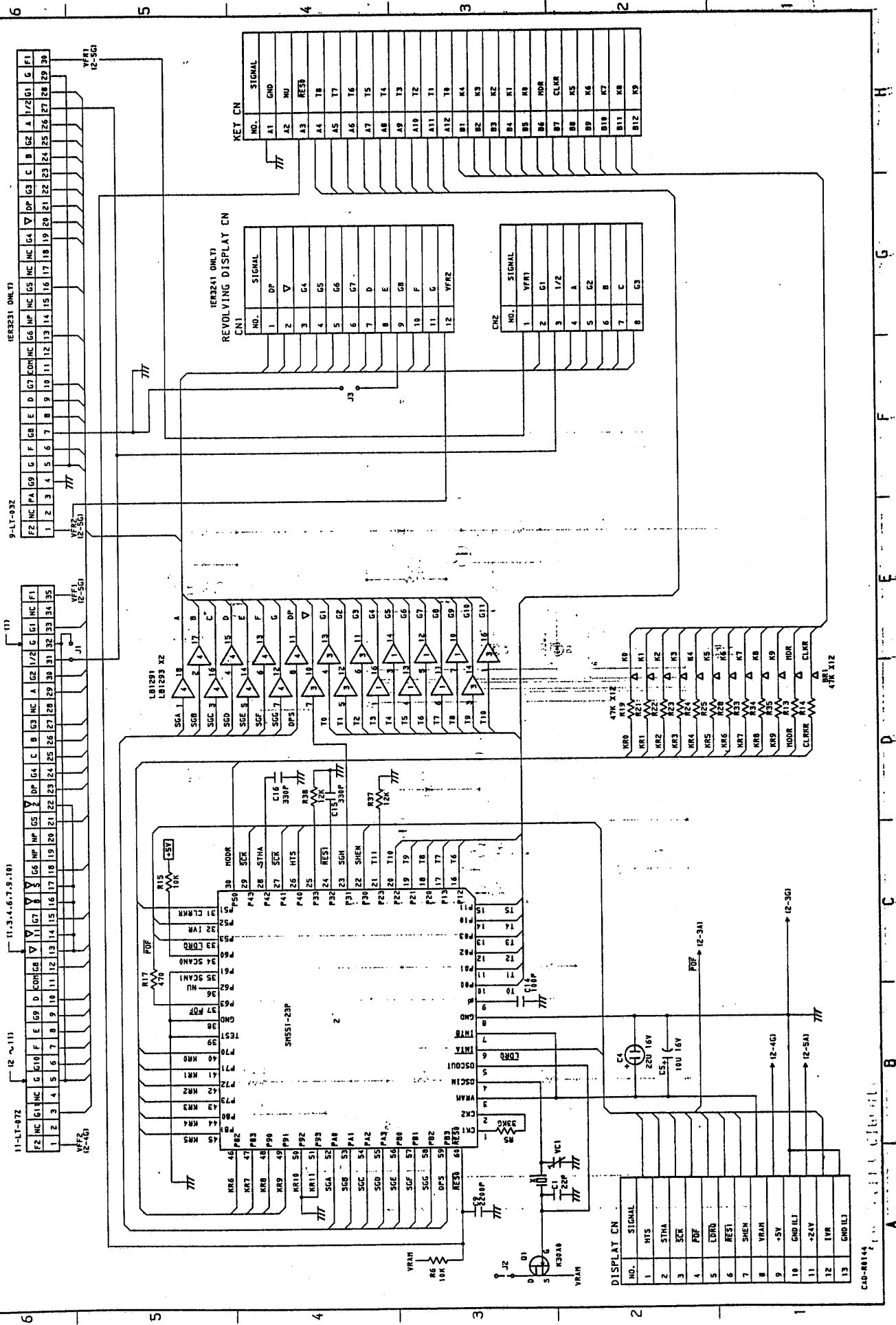
NOTE: *1 Not insert for ER-8241
*2 Not insert for ER-8231



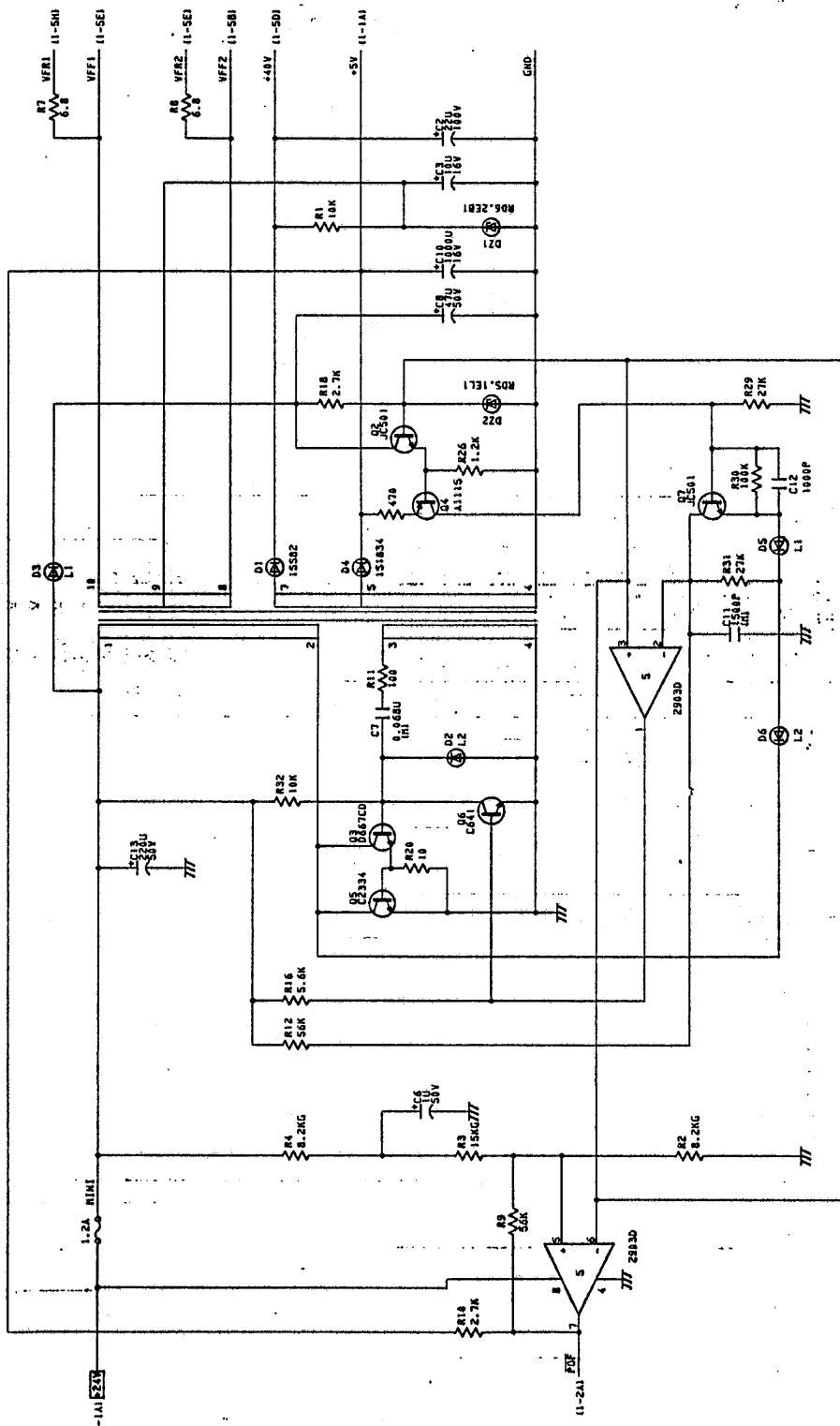
MAIN P.W.B. CIRCUIT -2



DISPLAY CIRCUIT



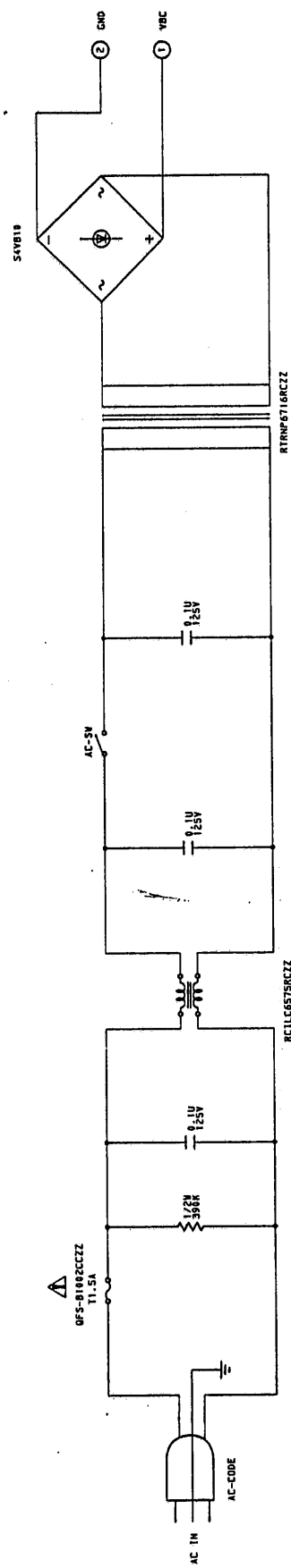
POWER SUPPLY CIRCUIT



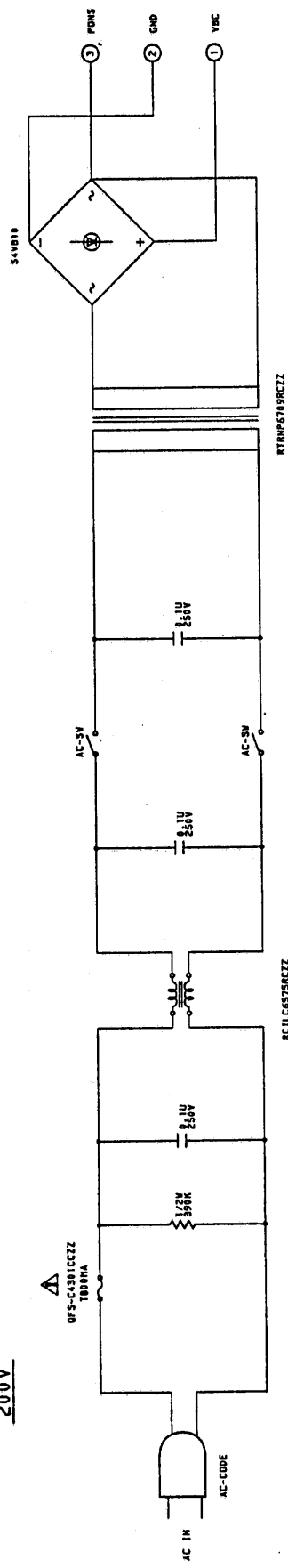
CAD-83145

NOISE FILTER AND POWER TRANS CIRCUIT

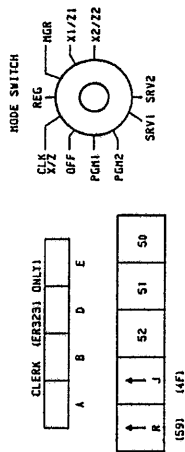
100V



200V

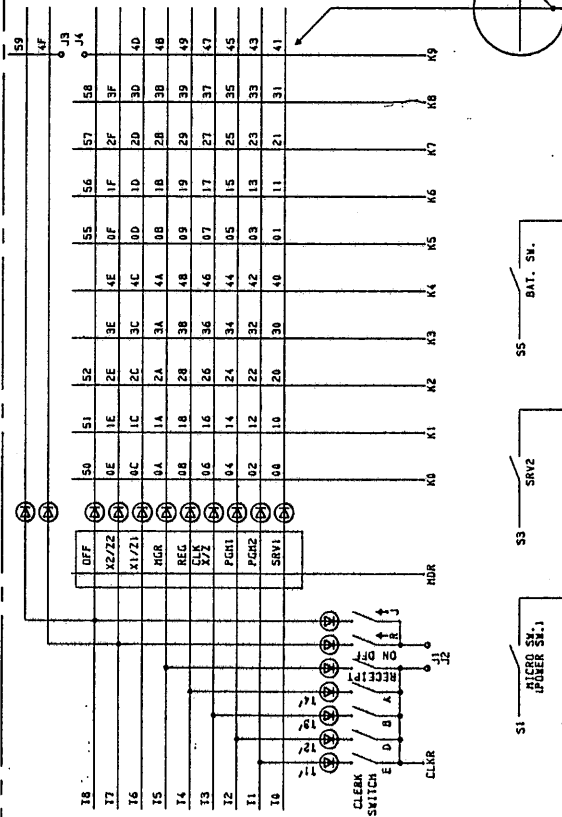


KEY BOARD CIRCUIT



59	4F	4D	4B	49	47	45	43	41	40	42	44	46	48	4A	4C	4E
58	3F	3D	3B	39	37	35	33	31	30	32	34	36	38	3A	3C	3E
57	2F	2D	2B	29	27	25	23	21	20	22	24	26	28	2A	2C	2E
56	1F	1D	1B	19	17	15	13	11	10	12	14	16	18	1A	1C	1E
55	0F	0D	0B	09	07	05	03	01	00	02	04	06	08	0A	0C	0E

FIG. 1.



OPTION
(Not for U.S.A. and CANADA)

CAD-00147

ER3241 : DUNTK7901RCZZ
DUNTK7947RCZZ
DUNTK7954RCZZ

U.S.A. , CANADA
R. OF PANAMA
BARBADOS (120V)
SOUTH AFRICA , KENYA
HALTA , U.A.E.

ER3231 : DUNTK7902RCZZ
DUNTK7951RCZZ
DUNTK7956RCZZ

U.S.A. , CANADA
R. OF PANAMA
BARBADOS (120V)
SOUTH AFRICA , KENYA
HALTA , U.A.E.

KEY CN	PIN NO	SIGNAL
	A1	GND
	A2	NU
	A3	RES0
	A4	T8
	A5	T7
	A6	T6
	A7	T5
	A8	T4
	A9	T3
	A10	T2
	A11	T1
	A12	T0
	B1	K4
	B2	K3
	B3	K2
	B4	K1
	B5	K0
	B6	MDR
	B7	CLKR
	B8	K5
	B9	K6
	B10	K7
	B11	K8
	B12	K9

CLERK SW. CN	PIN NO	SIGNAL
	1	CLKR
	2	T1'
	3	T4'
	4	T3'
	5	T2'

MICRO SW. CN	PIN NO	SIGNAL
	1	S1
	2	S2

BAT SW. CN	PIN NO	SIGNAL
	1	S5
	2	S6

NOISE FILTER AND POWER TRANS BOARD LAYOUT

