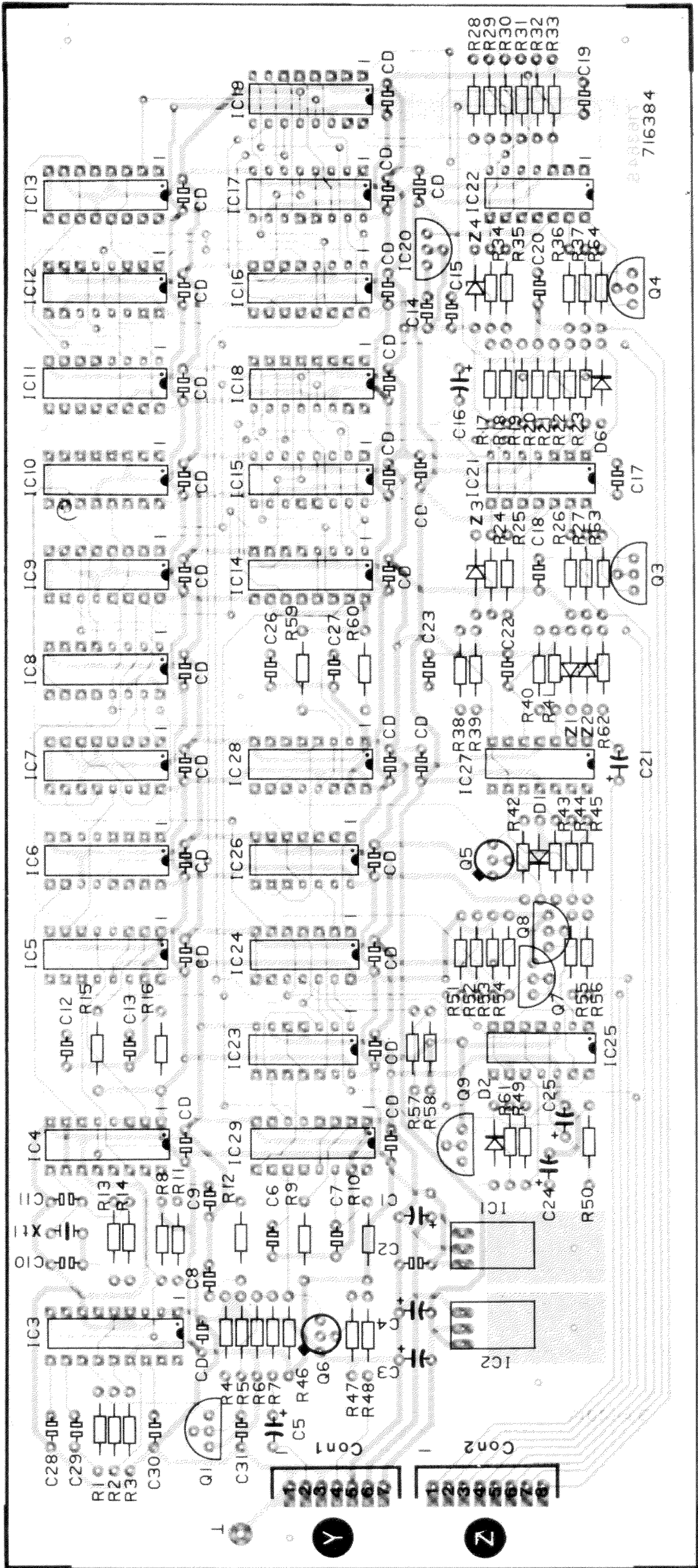




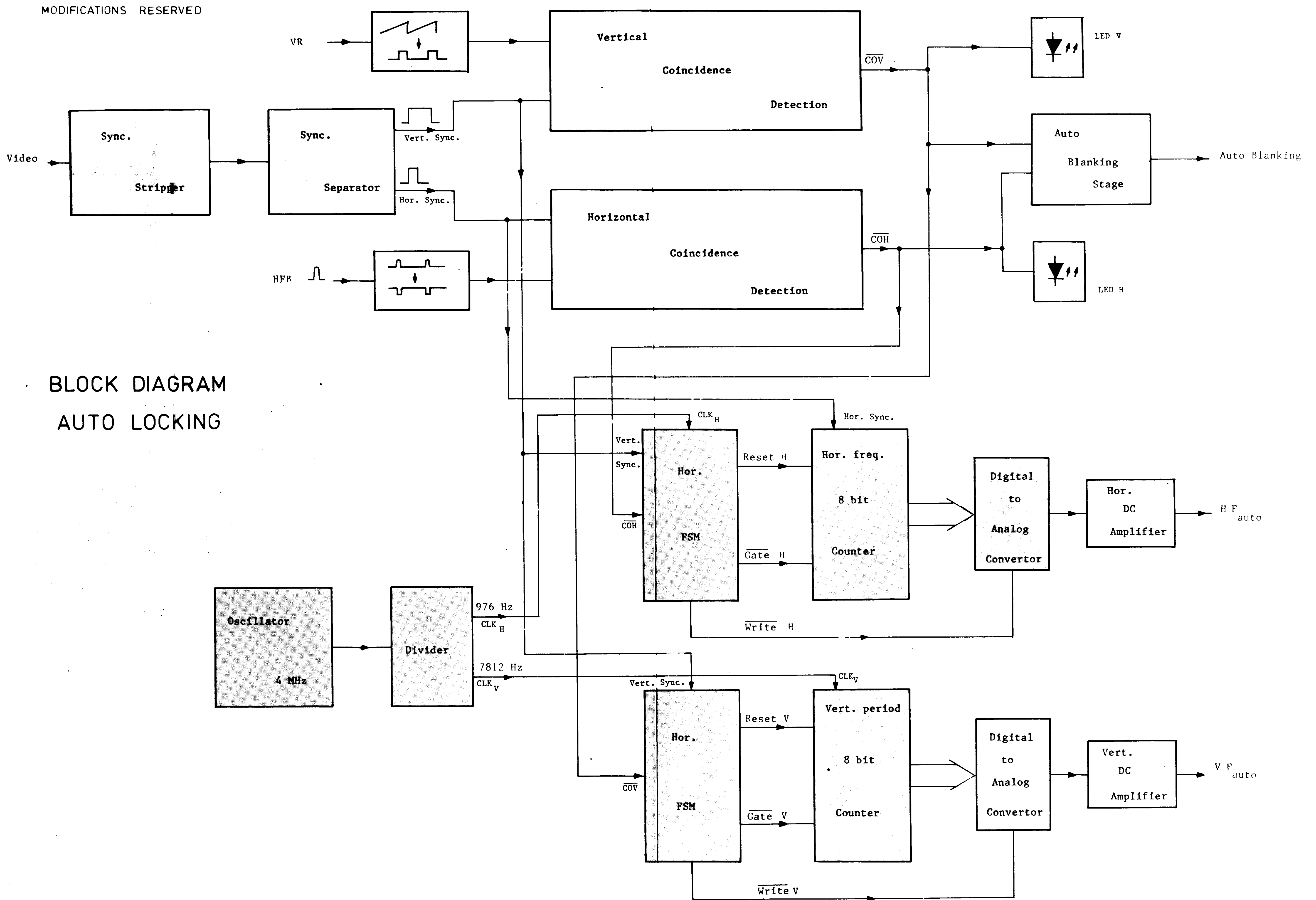
Name AUTOLOCKING		Article nr. 76 12781
Date 07/03/88	Drawn JVH	Checked JVH
BARCO Electronic Noordlaan, 5 8720 Kuurne - Belgium		

- |            |                   |   |
|------------|-------------------|---|
| 1 : ground | 1 : VR            |   |
| 2 : video  | 2 : LED H         | Y |
| 3 : ground | 3 : LED V         |   |
| 4 : HFB    | 4 : auto blanking | Y |
| 5 : ground | 5 : HF II         |   |
| 6 : +17V   | 6 : HF auto       | Z |
| 7 : -17V   | 7 : VF II         |   |
|            | 8 : VF auto       | Z |
- TO AUTOLOCKING ADAPTAR ON  
VERTICAL DEFLECTION + SYNC BOARD

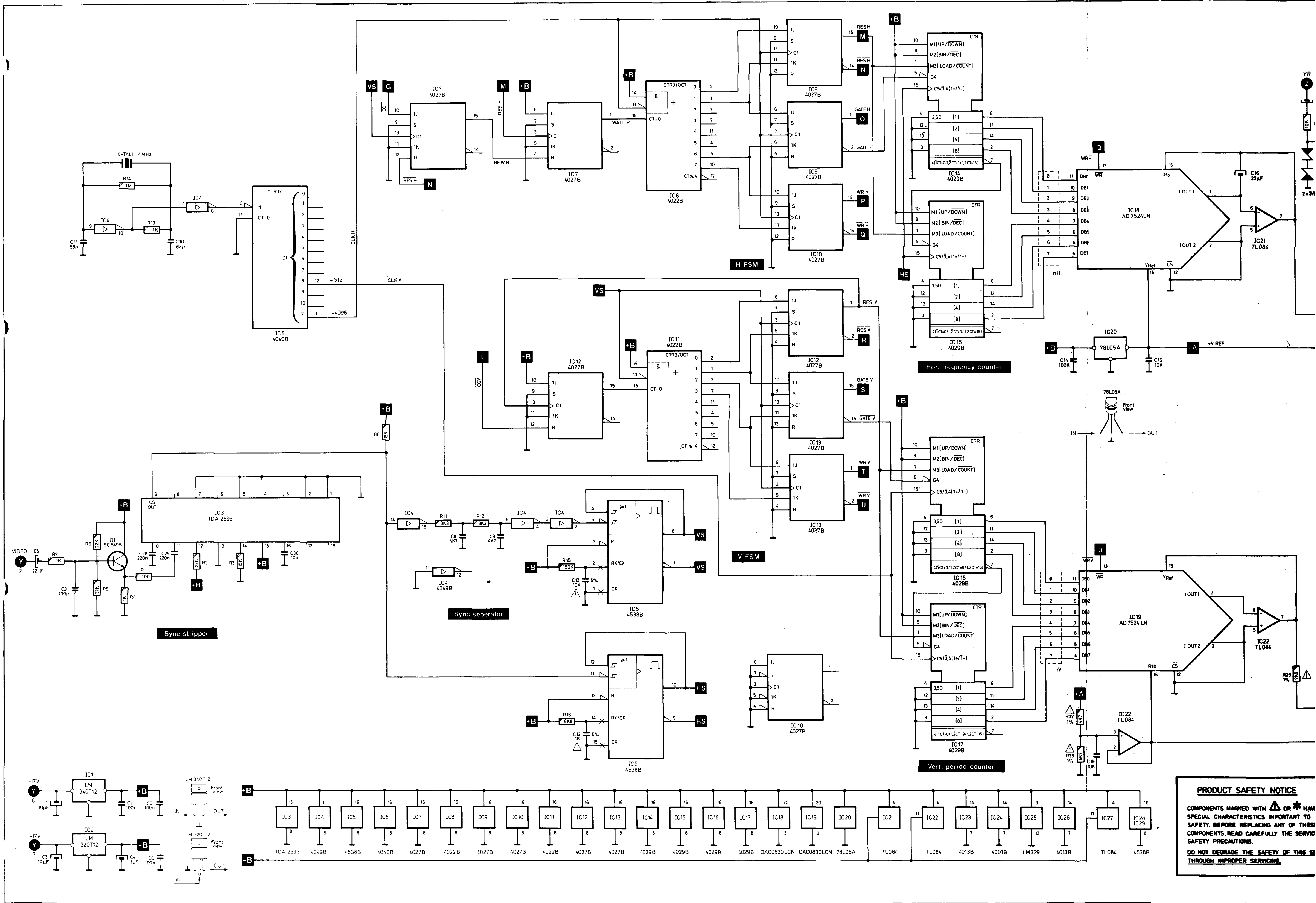


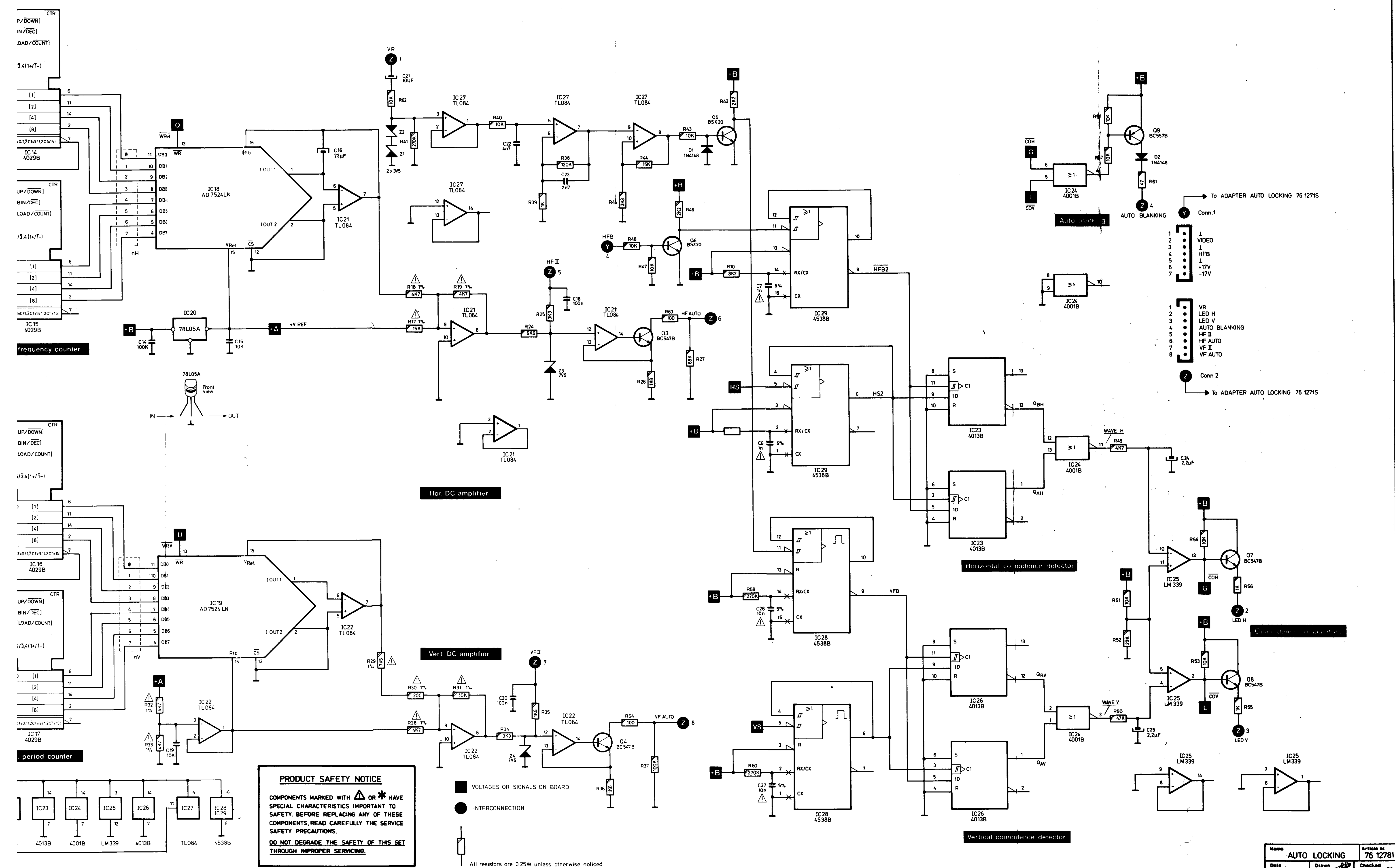


MODIFICATIONS RESERVED



BLOCK DIAGRAM  
AUTO LOCKING





ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 1531	C..1	CAPACITOR ELPRMI 10M M5 35	13 14071	Q..4	TRANSISTOR BC547B,BC237B
11 2774	C..2	CAPACITOR CE MI 100K U5 63	13 1491	Q..5	TRANSISTOR BSX20,2N2369
11 1531	C..3	CAPACITOR ELPRMI 10M M5 35	13 1491	Q..6	TRANSISTOR BSX20,2N2369
11 1546	C..4	CAPACITOR ELPRMI 1M M5 50	13 14071	Q..7	TRANSISTOR BC547B,BC237B
11 1510	C..5	CAPACITOR ELPRMI 22M M5 25	13 14071	Q..8	TRANSISTOR BC547B,BC237B
11 59161	C..6	CAPACITOR PP RA 1K J5 100	13 14131	Q..9	TRANSISTOR BC557B,BC307B
11 59161	C..7	CAPACITOR PP RA 1K J5 100			
11 2747	C..8	CAPACITOR CE MI 4K7 K5 63	10 1124	R..1	RESISTOR CF 100E J OW25
11 2747	C..9	CAPACITOR CE MI 4K7 K5 63	10 1152	R..2	RESISTOR CF 22K J OW25
11 2240	C.10	CAPACITOR NPO MI 68P J5 63	10 1150	R..3	RESISTOR CF 15K J OW25
11 2240	C.11	CAPACITOR NPO MI 68P J5 63	10 1136	R..4	RESISTOR CF 1K J OW25
11 5940	C.12	CAPACITOR PP RA 10K J5 63	10 1152	R..5	RESISTOR CF 22K J OW25
11 59081	C.13	CAPACITOR PP RA 470P J5 100	10 1152	R..6	RESISTOR CF 22K J OW25
11 2774	C.14	CAPACITOR CE MI 100K U5 63	10 1136	R..7	RESISTOR CF 1K J OW25
11 2763	C.15	CAPACITOR CE MI 10K U5 63	10 1150	R..8	RESISTOR CF 15K J OW25
11 2774	C.18	CAPACITOR CE MI 100K U5 63	10 1147	R..9	RESISTOR CF 8K2 J OW25
11 2763	C.19	CAPACITOR CE MI 10K U5 63	10 1147	R.10	RESISTOR CF 8K2 J OW25
11 2774	C.20	CAPACITOR CE MI 100K U5 63	10 1142	R.11	RESISTOR CF 3K3 J OW25
11 1531	C.21	CAPACITOR ELPRMI 10M M5 35	10 1142	R.12	RESISTOR CF 3K3 J OW25
11 2747	C.22	CAPACITOR CE MI 4K7 K5 63	10 1136	R.13	RESISTOR CF 1K J OW25
11 2744	C.23	CAPACITOR CE MI 2K7 K5 63	10 1172	R.14	RESISTOR CF 1M J OW25
11 1548	C.24	CAPACITOR ELPRMI 2M2 M5 50	10 1162	R.15	RESISTOR CF 150K J OW25
11 1548	C.25	CAPACITOR ELPRMI 2M2 M5 50	10 1146	R.16	RESISTOR CF 6K8 J OW25
11 5940	C.26	CAPACITOR PP RA 10K J5 63	10 11504	R.17	RESISTOR MF 15K F OW25
11 5940	C.27	CAPACITOR PP RA 10K J5 63	10 11444	R.18	RESISTOR MF 4K7 F OW25
11 3728	C.28	CAPACITOR POME 220K K5 63	10 11444	R.19	RESISTOR MF 4K7 F OW25
11 3728	C.29	CAPACITOR POME 220K K5 63	10 1145	R.24	RESISTOR CF 5K6 J OW25
11 37121	C.30	CAPACITOR POME 10K K5 100	10 1142	R.25	RESISTOR CF 3K3 J OW25
11 2242	C.31	CAPACITOR NPO MI 100P J5 63	10 1139	R.26	RESISTOR CF 1K8 J OW25
			10 1158	R.27	RESISTOR CF 68K J OW25
11 2774	CD..	CAPACITOR CE MI 100K U5 63	10 11444	R.28	RESISTOR MF 4K7 F OW25
			10 11475	R.29	RESISTOR MF 7K5 F OW25
13 1621	D..1	DIODE 1N4148 SWITCH	10 11284	R.30	RESISTOR MF 200E F OW25
13 1621	D..2	DIODE 1N4148 SWITCH	10 11484	R.31	RESISTOR MF 10K F OW25
			10 11444	R.32	RESISTOR MF 4K7 F OW25
13 4002	I..1	INTEGRATED CIRCUIT 7812	10 11444	R.33	RESISTOR MF 4K7 F OW25
13 4016	I..2	INTEGRATED CIRCUIT 7912	10 1143	R.34	RESISTOR CF 3K9 J OW25
13 2762	I..3	INTEGRATED CIRCUIT 2595 TDA	10 1138	R.35	RESISTOR CF 1K5 J OW25
13 73241	I..4	INTEGRATED CIRCUIT 4049UB	10 1139	R.36	RESISTOR CF 1K8 J OW25
13 7378	I..5	INTEGRATED CIRCUIT 4538B	10 1160	R.37	RESISTOR CF 100K J OW25
13 73885	I..6	INTEGRATED CIRCUIT 4040B	10 1161	R.38	RESISTOR CF 120K J OW25
13 7322	I..7	INTEGRATED CIRCUIT 4027B	10 1136	R.39	RESISTOR CF 1K J OW25
13 7379	I..8	INTEGRATED CIRCUIT 4022B	10 1148	R.40	RESISTOR CF 10K J OW25
13 7322	I..9	INTEGRATED CIRCUIT 4027B	10 1165	R.41	RESISTOR CF 270K J OW25
13 7322	I.10	INTEGRATED CIRCUIT 4027B	10 1140	R.42	RESISTOR CF 2K2 J OW25
13 7379	I.11	INTEGRATED CIRCUIT 4022B	10 1148	R.43	RESISTOR CF 10K J OW25
13 7322	I.12	INTEGRATED CIRCUIT 4027B	10 1150	R.44	RESISTOR CF 15K J OW25
13 7322	I.13	INTEGRATED CIRCUIT 4027B	10 1142	R.45	RESISTOR CF 3K3 J OW25
13 7380	I.14	INTEGRATED CIRCUIT 4029B	10 1140	R.46	RESISTOR CF 2K2 J OW25
13 7380	I.15	INTEGRATED CIRCUIT 4029B	10 1148	R.47	RESISTOR CF 10K J OW25
13 7380	I.16	INTEGRATED CIRCUIT 4029B	10 1148	R.48	RESISTOR CF 10K J OW25
13 7380	I.17	INTEGRATED CIRCUIT 4029B	10 1144	R.49	RESISTOR CF 4K7 J OW25
13 7279	I.18	INTEGRATED CIRCUIT 7524L	10 1156	R.50	RESISTOR CF 47K J OW25
13 7279	I.19	INTEGRATED CIRCUIT 7524L	10 1148	R.51	RESISTOR CF 10K J OW25
13 4032	I.20	INTEGRATED CIRCUIT 78L05	10 1152	R.52	RESISTOR CF 22K J OW25
13 4113	I.21	INTEGRATED CIRCUIT 084	10 1148	R.53	RESISTOR CF 10K J OW25
13 4113	I.22	INTEGRATED CIRCUIT 084	10 1148	R.54	RESISTOR CF 10K J OW25
13 7397	I.23	INTEGRATED CIRCUIT 4013B	10 1136	R.55	RESISTOR CF 1K J OW25
13 7320	I.24	INTEGRATED CIRCUIT 4001B	10 1136	R.56	RESISTOR CF 1K J OW25
13 4107	I.25	INTEGRATED CIRCUIT 3302	10 1148	R.57	RESISTOR CF 10K J OW25
13 7397	I.26	INTEGRATED CIRCUIT 4013B	10 1148	R.58	RESISTOR CF 10K J OW25
13 4113	I.27	INTEGRATED CIRCUIT 084	10 1165	R.59	RESISTOR CF 270K J OW25
13 7378	I.28	INTEGRATED CIRCUIT 4538B	10 1165	R.60	RESISTOR CF 270K J OW25
13 7378	I.29	INTEGRATED CIRCUIT 4538B	10 1120	R.61	RESISTOR CF 47E J OW25
			10 1148	R.62	RESISTOR CF 10K J OW25
71 6384	PC..	PC RETRO AUTOLOCK PC+ 761278	10 1124	R.63	RESISTOR CF 100E J OW25
			10 1124	R.64	RESISTOR CF 100E J OW25
13 14295	Q..1	TRANSISTOR BC549B,			
13 14071	Q..3	TRANSISTOR BC547B,BC237B	30 6846	XTAL	X-TAL 4,000 000 MHZ PCM 5MM



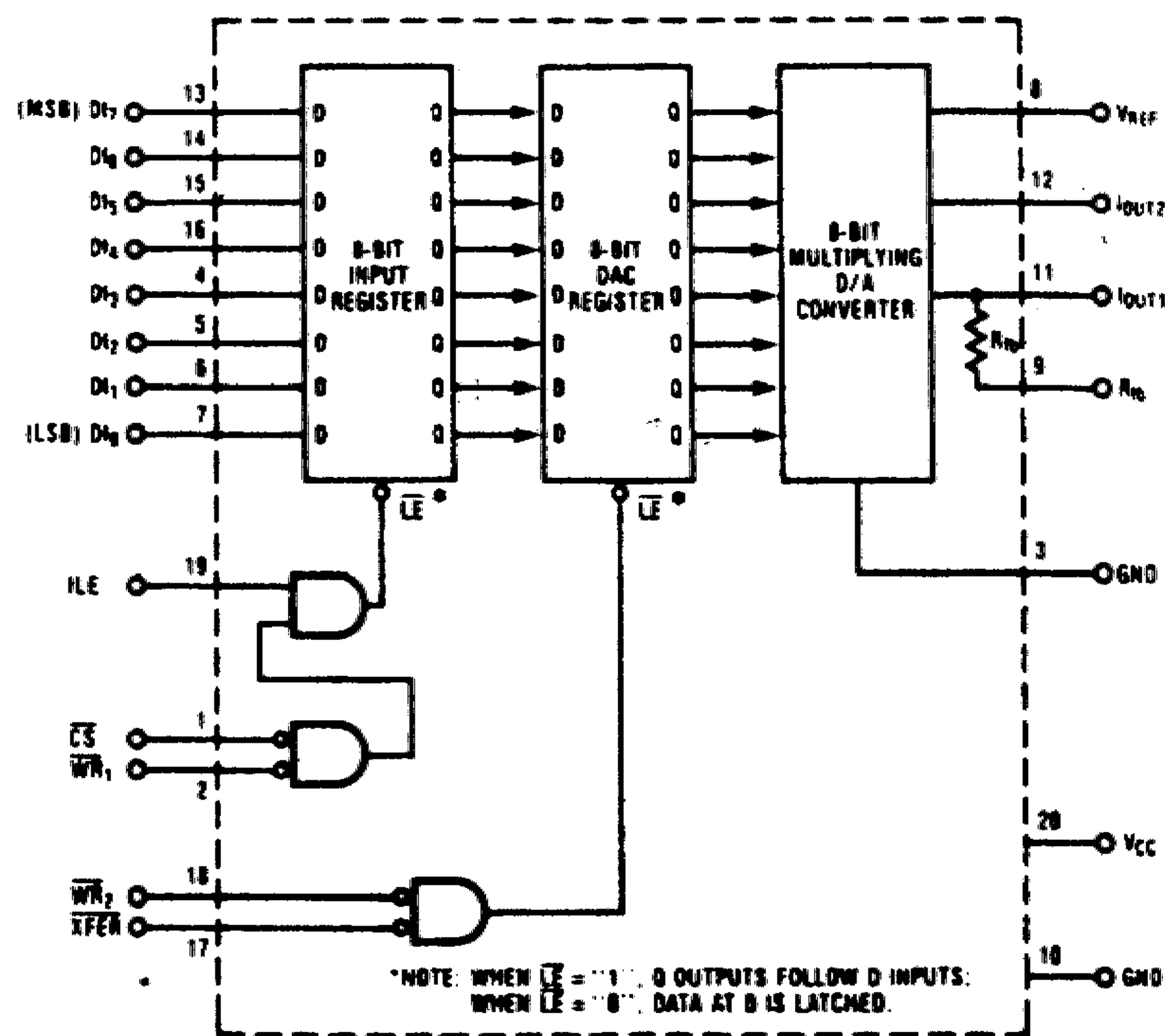
ITEM NO. SIT. DESCRIPTION

13 1757 Z..1 DIODE ZENER 3V9 0W5 C  
 13 1757 Z..2 DIODE ZENER 3V9 0W5 C  
 13 1756 Z..3 DIODE ZENER 7V5 0W5 C  
 13 1756 Z..4 DIODE ZENER 7V5 0W5 C

ITEM NO. SIT. DESCRIPTION

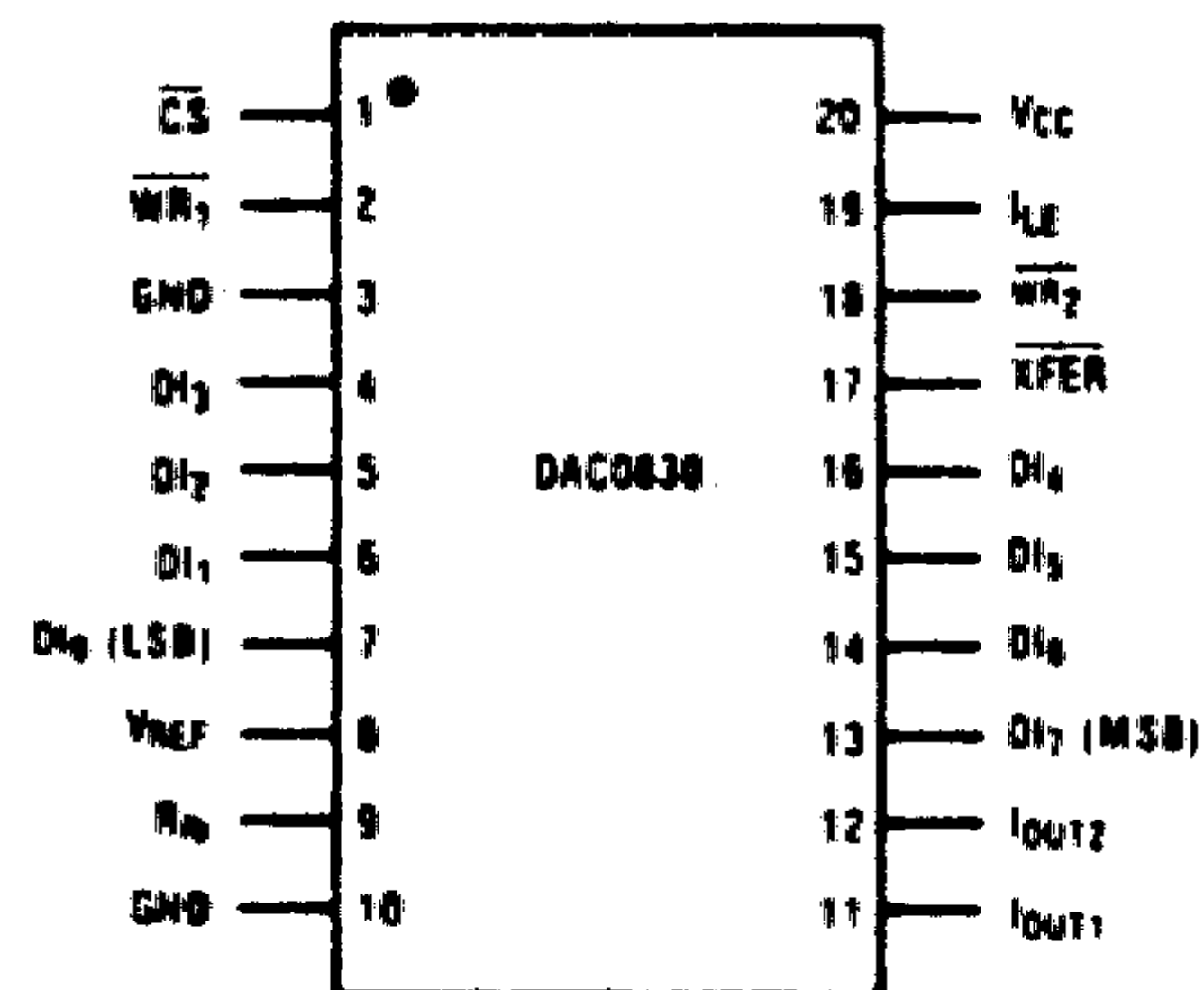
36 20216 001. SCREW DIN84 M 3 X 6 MP-  
 31 3586 003. CONNECTOR MT MOBTE P 7 2,5  
 31 3587 004. CONNECTOR MT MOBTE P 8 2,5  
 31 53101 005. CONNECTOR TAB MOBTE P 1 2,8

DAC 0830 LCN



PIN DESIGNATION

Pin No.	Symbol	Description
1	$\overline{CS}$	Chip select
2	$\overline{WR}_1$	Write 1 : to load digital input
3	GND	Ground
4	$DI_3$	Digital input 3
5	$DI_2$	Digital input 2
6	$DI_1$	Digital input 1
7	$DI_0$	Digital input 0
8	$V_{ref}$	Reference voltage input
9	$R_{fb}$	Feedback resistor
10	GND	Ground
11	$I_{out1}$	DAC current output 1
12	$I_{out2}$	DAC current output 2
13	$DI_7$	Digital input 7
14	$DI_6$	Digital input 6
15	$DI_5$	Digital input 5
16	$DI_4$	Digital input 4
17	$\overline{XFER}$	Transfer control signal
18	$\overline{WR}_2$	Write 2 : transfer input to register
19	ILE	Input latch enable
20	$V_{cc}$	Pover supply : + 5V to + 15 V DC



4029 B

