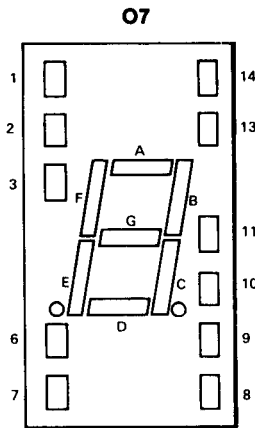
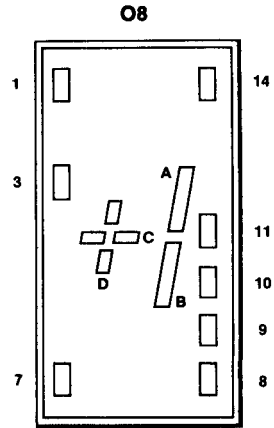


# FAIRCHILD LOGIC/CONNECTION DIAGRAMS

## OPTOELECTRONICS

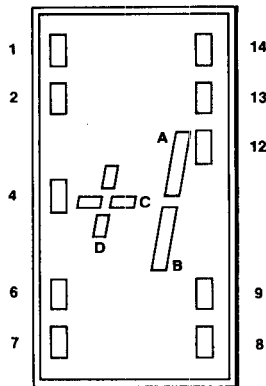


PIN	MAN71A	MAN72A
1	Cathode A	Cathode A
2	Cathode F	Cathode F
3	Common-Anode	Common-Anode
4	No pin	No pin
5	No pin	No pin
6	NC	Cathode DP
7	Cathode E	Cathode E
8	Cathode D	Cathode D
9	Common-Anode	NC
10	Cathode C	Cathode C
11	Cathode G	Cathode G
12	No pin	No pin
13	Cathode B	Cathode B
14	Common-Anode	Common-Anode



PIN	MAN73A
1	Anode C, D
2	No pin
3	Anode C, D
4	No pin
5	No pin
6	No pin
7	Cathode D
8	Cathode C
9	NC
10	Cathode B
11	Cathode A
12	No pin
13	No pin
14	Anode A, B

**O9**



PIN	MAN74A
1	Anode F
2	Anode G
3	No pin
4	Common-Cathode
5	No pin
6	Anode E
7	Anode D
8	Anode C
9	Anode DP
10	No pin
11	No pin
12	Common-Cathode
13	Anode B
14	Anode A

FAIRCHILD OPTOELECTRONICS

OPTO

7-SEGMENT NUMERIC DISPLAYS (Cont'd)

Item	DEVICE NO.	Character Height Inches	Polarity	Color	Description	Decimal Point	Peak Current/Seg Pulse = 100 $\mu$ s mA	V <sub>F</sub> I <sub>F</sub> = 20mA/Seg V	Luminous Intensity/Seg I <sub>F</sub> = 20mA $\mu$ cd	Logic/Connection Diagram	Package No.
1	FND530	0.500	CC	Grn	7-Segment Display	RH	80	2.2	2000	O3	Opto-13
2	FND531	0.500	CC	Grn	Overflow $\pm$ 1 Digit	RH	80	2.2	2000	O4	Opto-13
3	FND537	0.500	CA	Grn	7-Segment Display	RH	80	2.2	2000	O3	Opto-13
4	FND538	0.500	CA	Grn	Overflow $\pm$ 1 Digit	RH	80	2.2	2000	O4	Opto-13
5	FND540	0.500	CC	Yel	7-Segment Display	RH	80	2.2	2000	O3	Opto-13
6	FND541	0.500	CC	Yel	Overflow $\pm$ Digit	RH	80	2.2	2000	O4	Opto-13
7	FND547	0.500	CA	Yel	7-Segment Display	RH	80	2.2	2000	O3	Opto-13
8	FND548	0.500	CA	Yel	Overflow $\pm$ Digit	RH	80	2.2	2000	O4	Opto-13
9	FND550	0.500	CC	Amb	7-Segment Display	RH	80	2.2	2000	O3	Opto-13
10	FND551	0.500	CC	Amb	Overflow $\pm$ 1 Digit	RH	80	2.2	2000	O4	Opto-13
11	FND557	0.500	CA	Amb	7-Segment Display	RH	80	2.2	2000	O3	Opto-13
12	FND558	0.500	CA	Amb	Overflow $\pm$ 1 Digit	RH	80	2.2	2000	O4	Opto-13
13	FND560	0.500	CC	Red	7-Segment Display	RH	200	2.2	1200	O3	Opto-13
14	FND561	0.500	CC	Red	Overflow $\pm$ 1 Digit	RH	200	1.7	1200	O4	Opto-13
15	FND567	0.500	CA	Red	7-Segment Display	RH	200	1.7	1200	O3	Opto-13
16	FND568	0.500	CA	Red	Overflow $\pm$ 1 Digit	RH	200	1.7	1200	O4	Opto-13
17	FND800	0.800	CC	Red	7-Segment Display	RH	200	1.7	600	O5	Opto-14
18	FND807	0.800	CA	Red	7-Segment Display	RH	200	1.7	600	O5	Opto-14
19	FND847	0.800	CA	Red	7-Segment Display	LH	200	1.7	600	O6	Opto-14
20	FND850	0.800	CC	Red	7-Segment Display	LH	200	1.7	600	O6	Opto-14
21	FND6710	0.560	CA	Red	Dual Digit Display	RH	200	1.7	500	O10	Opto-16
22	FND6730*	0.560	CA	Red	1 1/2 Digit $\pm$ 18 Display	RH	200	1.7	500	—	—
23	FND6740	0.560	CC	Red	Dual Digit Display	RH	200	1.7	500	O10	Opto-16
24	FND6750*	0.560	CC	Red	1/2 Digit $\pm$ 18 Display	RH	200	1.7	500	—	—
25	MAN71A	0.300	CA	Red	7-Segment Display	RH	200	1.7	450	O7	Opto-15
26	MAN72A	0.300	CA	Red	7-Segment Display	LH	200	1.7	450	O7	Opto-15
27	MAN73A	0.300	CA	Red	Overflow $\pm$ 1 Digit	None	200	1.7	450	O8	Opto-15
28	MAN74A	0.300	CC	Red	7-Segment Display	RH	200	1.7	450	O9	Opto-15

\* Available 2nd Half, 1978