STANDARD LCD PRODUCT SELECTION GUIDE

	DIGIT HEIGHT		DESCRIPTION	MODEL NO.	GLASS SIZE		DRIVING METHOD	CONNECTOR TYPE		PAGE
	INCH	MM			INCH	MM		RUBBER	DIL PIN	
01	0.177	4,50	8 DIGITS + 8 DP + ICONS	C3356	1.110 X 0.394	28,20 X 10,00	3 MUX	✓		26
02	0.197	5,00	8 DIGITS + 8 DP + ICONS	C3026	1.575 X 0.567	40,00 X 14,40	3 MUX	✓		26
03			8 DIGITS + 8 DP + ICONS	C3030	1.575 X 0.567	40,00 X 14,40	3 MUX	✓		26
04	0.236	6,00	8 DIGITS + 8 DP + ICONS	I3034	1.496 X 0.799	37,99 X 20,29	2 MUX	✓		25
05	0.252	6,40	8 DIGITS + ICONS	I3884	1.457 X 0.669	37,00 X 17,00	2 MUX	✓		29
06	0.256	6,50	16 DIGITS + 16 DP	I3712	3.000 X 0.697	76,20 X 17,70	4 MUX	✓		27
07				I3713					✓	27
08	0.268	6,80	4 DIGITS + 3 DP	I1073	0.941 X 0.551	23,90 X 14,00	STATIC	✓		18
09	0.276	7,00	8 ALPHANUMERIC + 8 DP + ICONS	I3714	2.047 X 0.866	52,00 X 22,00	4 MUX	✓		27
10	0.315	8,00	4 DIGITS + 3 DP + 1 COL + ICONS	I1076	1.496 X 0.799	38,00 X 20,30	STATIC	✓		18
11	0.350	8,89	3 DIGITS + 2 DP	I1059	1.200 x 0.900	30,48 x 22,86	STATIC		✓	14
12				I1086				✓		14
13			3–1/2 DIGITS + 3 DP + 1 COL + ICONS	I1061	2.000 x 0.900	50,80 x 22,86	STATIC		✓	15
14			4–1/2 DIGITS + 4 DP + 2 COL + ICONS	I1050	2.000 x 0.900	50,80 x 22,86	STATIC		✓	17
15			4 DIGITS + 3 DP + 1 COL	I1049	2.000 x 0.900	50,80 x 22,86	STATIC	✓		18
16				I1018					✓	18
17			4 DIGITS + 1 COL + ICONS	T1014	2.000 x 0.900	50,80 x 22,86	STATIC	✓		24
18	0.354	9,00	16 DIGITS + 16 DP	I3667	3.346 X 1.146	85,00 X 29,10	4 MUX	✓		31
19	0.355	9,02	8 DIGITS + 8 DP + ICONS	I3651	2.756 X 0.984	70,00 X 24,99	3 MUX		✓	25
20	0.394	10,00	3–1/2 DIGITS + 3 DP + ICONS	I1194	0.728 X 1.457	18,50 X 37,00	STATIC	✓		22
21	0.400	10,16	4–1/2 DIGITS + 4 DP + 2 COL + ICONS	I1077	2.000 X 1.200	50,80 X 30,48	STATIC		✓	17
22			5 DIGITS + 2 DP + 2 COL	I1058	2.000 X 1.200	50,80 X 30,48	STATIC		✓	20
23				I1391				✓		20
24			4–1/2 DIGITS + 4 DP + 2 COL + ICONS	I1123	2.000 X 1.200	50,80 X 30,48	STATIC		✓	22
25	0.450	11,43	7 DIGITS + 6 DP	C1019	3.070 X 1.000	77,98 X 25,40	STATIC		✓	31
26	0.470	11,94	4 DIGITS + 4 DP + 1 COL + ICONS	I1248	1.975 X 0.900	50,17 X 22,86	STATIC	✓		28
27	0.472	12,00	4 DIGITS + 1 COL + ICONS	I1203	1.975 X 0.900	50,17 X 22,86	STATIC	✓		28
28	0.500	12,70	2 DIGITS + 2 DP	I1045	1.100 X 1.200	28,00 X 30,48	STATIC		✓	14
29				I1027				✓		14
30			2 DIGITS + 2 DP	I1075	1.200 X 1.200	30,48 X 30,48	STATIC		✓	14
31			3–1/2 DIGITS + 3 DP + 1 COL + ICONS	I1048	2.000 X 1.200	50,80 X 30,48	STATIC		✓	15
32			3–1/2 DIGITS + 3 DP + 1 COL + ICONS	I1016	2.000 X 1.200	50,80 X 30,48	STATIC		✓	16
33				I1015				✓		16
34			3–1/2 DIGITS + 3 DP + 1 COL + ICONS	I1126	2.000 X 1.200	50,80 X 30,48	STATIC		✓	16
35			4 DIGITS + 3 DP + 1 COL	I1017	2.000 X 1.200	50,80 X 30,48	STATIC		✓	19
36				I1051				✓		19
37			6 DIGITS + 5 DP + 2 COL	I1056	2.750 X 1.200	69,85 X 30,48	STATIC		✓	21
38				I1088				✓		21

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STANDARD LCD PRODUCT SELECTION GUIDE

	DIGIT HEIGHT		DESCRIPTION	MODEL NO.	GLASS SIZE		DRIVING METHOD	CONNECTOR TYPE		PAGE
	INCH	MM			INCH	MM		RUBBER	DIL PIN	
39	0.500	12,70	8 DIGITS + 7 DP + 3 COL	I1057	3.695 X 1.200	93,85 X 30,48	STATIC		✓	25
40			3–1/2 DIGITS + 3 DP + ICONS	I1187	1.970 X 0.900	50,04 X 22,86	STATIC	✓		28
41			10 DIGITS + 10 DP	I1380	3.346 X 1.146	85,00 X 29,10	STATIC	✓		29
42	0.512	13,00	3–1/2 DIGITS + 3 DP + ICONS	I1384	2.750 X 1.200	69,85 X 30,48	STATIC		✓	22
43	0.551	14,00	8 ALPHANUMERIC + 8 DP	I3672	3.346 X 1.146	85,00 X 29,10	4 MUX	✓		31
44	0.600	15,24	3–1/2 DIGITS + 3 DP + 1 COL + ICONS	T1389	2.250 X 1.200	57,15 X 30,48	STATIC		✓	24
45	0.650	16,50	6 DIGITS + 5 DP + ICONS	I1381	3.346 X 1.146	85,00 X 29,10	STATIC	✓		29
46	0.700	17,78	3–1/2 DIGITS + 3 DP + 1 COL + ICONS	I1083	2.750 X 1.500	69,85 X 38,10	STATIC		✓	15
47			3–1/2 DIGITS + 3 DP + 1 COL + ICONS	I1129	2.750 X 1.500	69,85 X 38,10	STATIC		✓	16
48			4 DIGITS + 3 DP + 1 COL	I1060	2.750 X 1.500	69,85 X 38,10	STATIC		✓	19
49			5 DIGITS + 4 DP + 1 COL	I1105	3.200 X 1.500	81,28 X 38,10	STATIC		✓	20
50			6 DIGITS + 5 DP + 2 COL	I1082	3.695 X 1.500	93,85 X 38,10	STATIC		✓	21
51	0.728	18,50	3–1/2 DIGITS + 1 COL + ICONS	T3149	2.047 X 1.083	52,00 X 27,50	2 MUX	✓		24
52	0.800	20,32	4–1/2 DIGITS + 4 DP + 2 COL + ICONS	I1117	3.695 X 1.800	93,85 X 45,72	STATIC		✓	17
53	0.886	22,50	6 DIGITS + 5 DP + ICONS	I1386	3.681 X 2.126	93,50 X 54,00	STATIC	✓		30
54	1.000	25,40	4 DIGITS + 3 DP + 1 COL	I1152	3.700 X 1.800	93,98 X 45,72	STATIC		✓	19
55			5 DIGITS + 4 DP + 1 COL	I1095	4.500 X 1.800	114,30 X 45,72	STATIC		✓	20
56			6 DIGITS + 5 DP + 2 COL	I1118	5.400 X 1.800	137,16 X 45,72	STATIC		✓	21
57			5 DIGITS + 5 DP + ICONS	I1387	3.681 X 2.126	93,50 X 54,00	STATIC	✓		30
58	–	–	5 X 7 DOT MATRIX – 1 CHARACTER	I1025	1.800 X 2.500	45,72 X 63,50	STATIC		✓	23
59	–	–	5 X 7 DOT MATRIX – 1 CHARACTER	I1028	2.250 X 3.250	57,15 X 82,55	STATIC		✓	23
60	–	–	BAR GRAPH – 32 BARS	I1147	4.005 X 1.200	101,73 X 30,48	STATIC		✓	27
61	–	–	5 X 8 DOT MATRIX – 1 X 8 CHARACTER	I3891	1.996 X 0.827	50,70 X 21,00	8 MUX	✓		32
62	–	–	5 X 8 DOT MATRIX – 1 X 8 CHARACTER	I3665	2.638 X 1.016	67,00 X 25,80	8 MUX	✓		32
63	–	–	5 X 8 DOT MATRIX – 1 X 8 CHARACTER	I3664	3.346 X 1.146	85,00 X 29,10	8 MUX	✓		32
64	–	–	5 X 8 DOT MATRIX – 1 X 16 CHARACTER	I3376	2.638 X 1.016	67,00 X 25,80	16 MUX	✓		33
65	–	–	5 X 8 DOT MATRIX – 1 X 16 CHARACTER	I3886	1.972 X 0.827	50,10 X 21,00	16 MUX	✓		33
66	–	–	5 X 8 DOT MATRIX – 1 X 16 CHARACTER	I3735	2.717 X 0.760	69,00 X 19,30	16 MUX	✓		34
67	–	–	5 X 8 DOT MATRIX – 1 X 16 CHARACTER	I3675	3.346 X 1.146	85,00 X 29,10	16 MUX	✓		34
68	–	–	5 X 8 DOT MATRIX – 1 X 20 CHARACTER	I3281	6.321 X 1.043	160,55 X 26,50	8 MUX	✓		35
69	–	–	5 X 11 DOT MATRIX – 1 X 40 CHARACTER	I3263	6.311 X 1.043	160,30 X 26,50	11 MUX	✓		35
70	–	–	5 X 8 DOT MATRIX – 2 X 16 CHARACTER	I3331	2.638 X 1.016	67,00 X 25,80	16 MUX	✓		36
71	–	–	5 X 8 DOT MATRIX – 2 X 16 CHARACTER	I3249	2.756 X 0.925	70,00 X 23,50	16 MUX	✓		36
72	–	–	5 X 8 DOT MATRIX – 2 X 16 CHARACTER	I3603	3.346 X 1.154	85,00 X 29,30	16 MUX	✓		36
73	–	–	5 X 8 DOT MATRIX – 2 X 20 CHARACTER	I3406	3.543 X 1.142	90,00 X 29,00	16 MUX	✓		37
74	–	–	5 X 8 DOT MATRIX – 2 X 24 CHARACTER	I3387	3.543 X 1.142	90,00 X 29,00	16 MUX	✓		37
75	–	–	5 X 8 DOT MATRIX – 4 X 16 CHARACTER	I3644	2.862 X 1.772	72,70 X 45,00	16 MUX	✓		38
76	–	–	5 X 8 DOT MATRIX – 4 X 20 CHARACTER	I3407	3.701 X 1.496	94,00 X 38,00	16 MUX	✓		38

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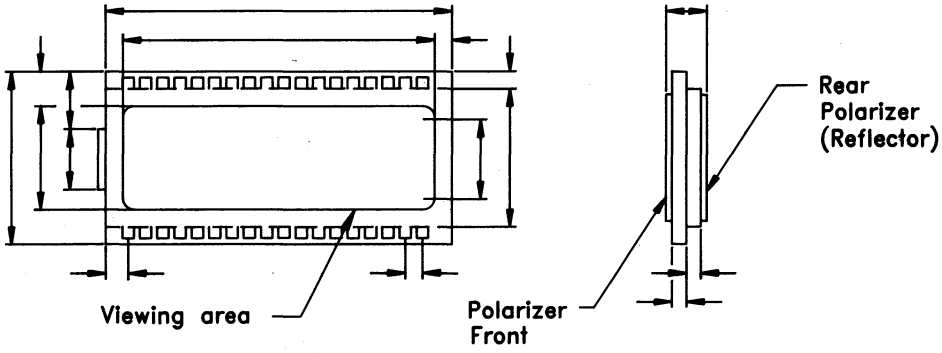
CUSTOM LCD INFORMATION

APPLICATION

☐ Calculator ☐ Audio Equipments ☐ Automoblie
☐ Watch ☐ Instruments ☐ Game
☐ Clock ☐ Telephone ☐ Others

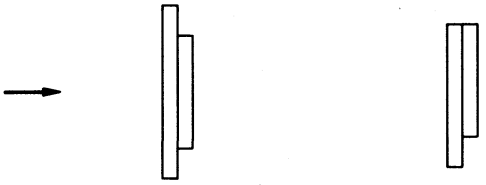
DIMENSIONS



LCD CONFIGURATION

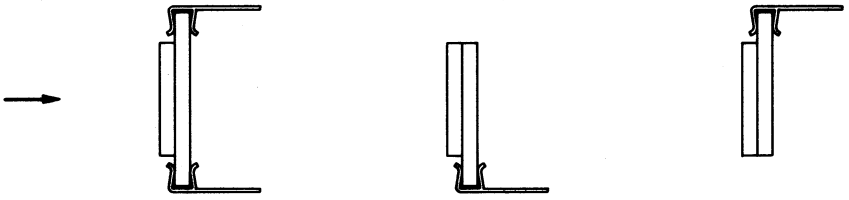
Elastomer Type

(1) Double Row (2) Single Row (bottom) (3) Single Row (top)



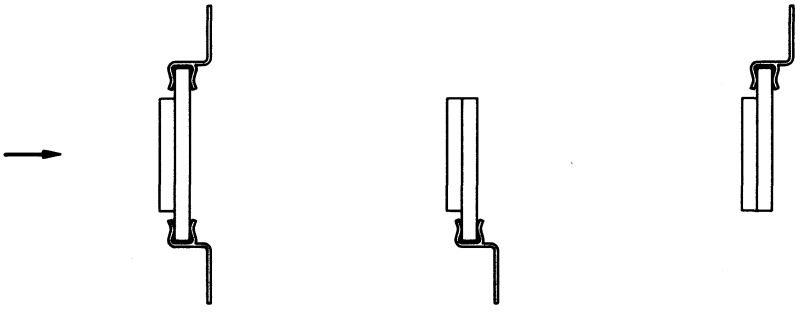
Dip Pack Pinned Type

(4) D.I.L. (5) Single Row (bottom) (6) Single Row (top)



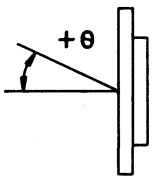
Flat Pack Pinned Type

(7) D.I.L. (8) Single Row (bottom) (9) Single Row (top)



OPTIMUM VIEW DIRECTION

_____ Top View (12:00 o'clock)
θ = + _____ Degrees
_____ Bottom View (6.00 o'clock)
θ = − _____ Degrees
_____ Other _____



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CUSTOM LCD INFORMATION	
DISPLAY MODE	_____ Positive Mode (Dark characters on light background) _____ Negative Mode (Light characters on black background)
POLARIZER	_____ Reflective _____ Transmissive _____ Transflective _____ Unattached
DRIVER INFORMATION	Operating Voltage : Minimun ____ V Typical ____ V Maximum ____ V Frame Frequency : _____ Hertz _____ Static _____ Multiplex : Duty 1/____ , Bias 1/ ____ I.C Driver : _____
CONNECTOR	_____ Elastomer _____ Pin Pin Type : _____ Length : _____ _____ Heat Seal
TEMPERATURE RANGE	Operating Temperature _____ °C to _____ °C Storage Temperature _____ °C to _____ °C
COMMENTS	

STANDARD LCD ORDERING INFORMATION

□□□□□ – □□□□ – □□□

DISPLAY P/N
□□□□□

POLARIZER TYPE
- □ 1. TRANSMISSIVE
- □ 2. TRANSFLECTIVE
- □ 4. REFLECTIVE

POLARIZER GRADE
- □ 1. NO POLARIZER
- □ 2. COMMERCIAL GRADE
- □ 3. HIGH STABILITY

POLARIZER COLOUR
- □ 0. SPECIAL
- □ 1. SILVER (STD)
- □ 2. GOLD
- □ 3. GREEN
- □ 4. RED
- □ 5. BLUE
- □ 6. PURPLE

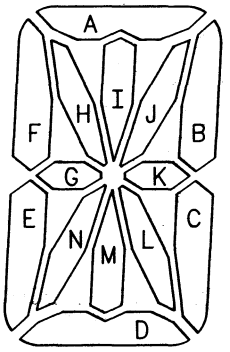
POLARIZER MODE
- □ 1. SOLID SEGMENTS ON LIGHT BACKGROUND
- □ 2. CLEAR SEGMENTS ON DARK BACKGROUND

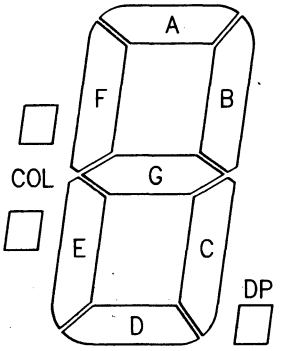
VIEWING ANGLE
- □ 1. 6:00 O'CLOCK
- □ 2. 12:00 O'CLOCK
- □ 3. SPECIAL
  □□

DIL PIN
- □ 0. STANDARD DIL PINS TYPE V50A, 0.250" LENGTH
- □ 1. ELASTOMER
- □ 2. SPECIAL DIL PINS/LENGTH
- □ 3. W/O PINS

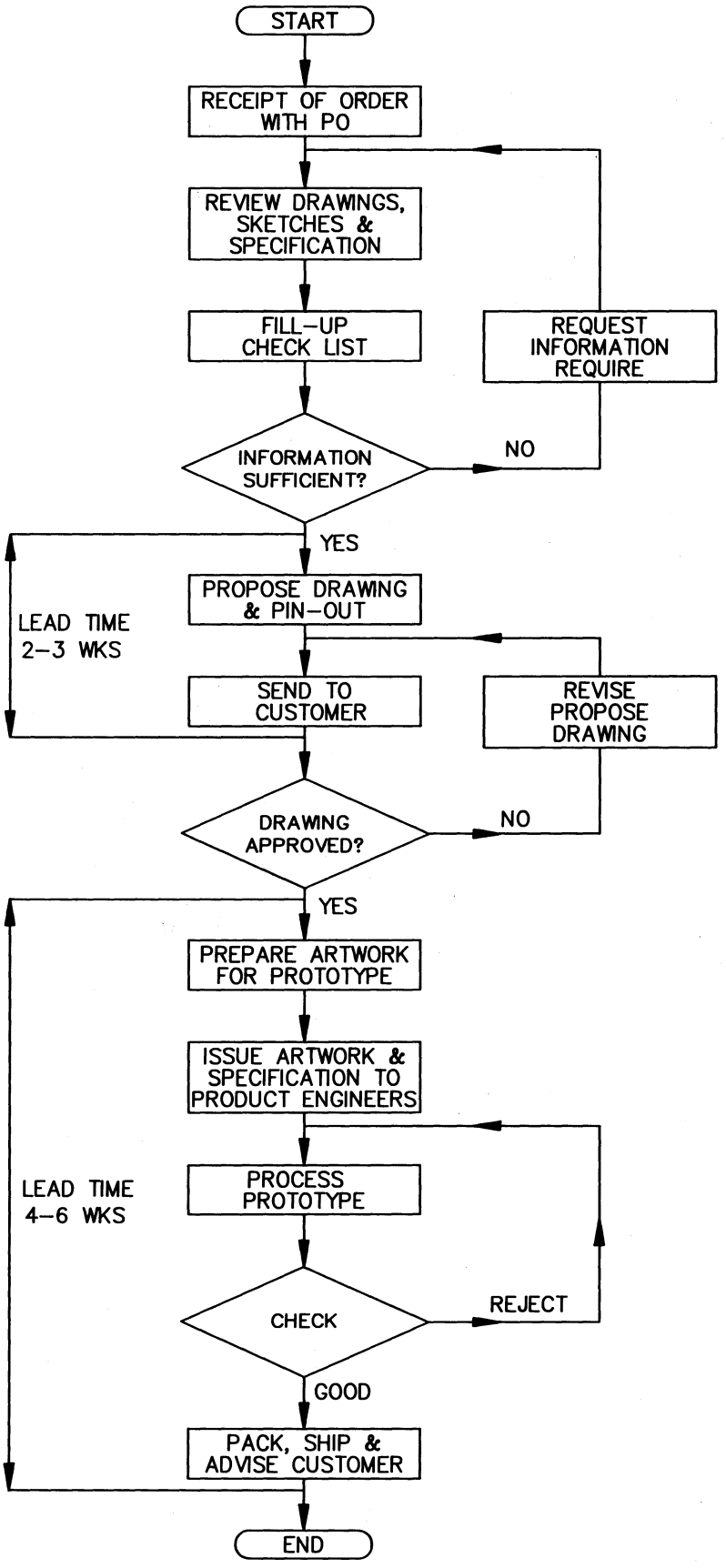
FLUID TYPE
- □ 2. WIDE TEMPERATURE
  OPERATING TEMP : −20°C TO 80°C
  STORAGE TEMP : −30°C TO 80°C
- □ 5. COMMERCIAL
  OPERATING TEMP : −10°C TO 55°C
  STORAGE TEMP : −20°C TO 65°C
- □ 6. HIGH TEMPERATURE
  OPERATING TEMP : −30°C TO 85°C
  STORAGE TEMP : −40°C TO 85°C

SEGMENT NOTATION





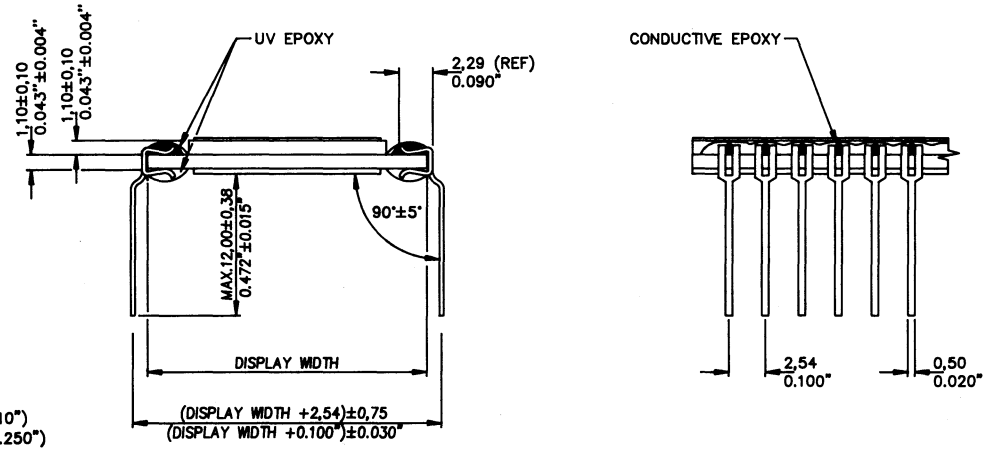
FLOW CHART FOR LCD PROTOTYPE



NOTE: DISPLAYS REQUIRING INK PRINTING, SPECIAL LIQUID CRYSTAL MATERIALS, SPECIAL PINS OR NON STANDARD PROCESSING MAY REQUIRE LONGER LEADTIME.

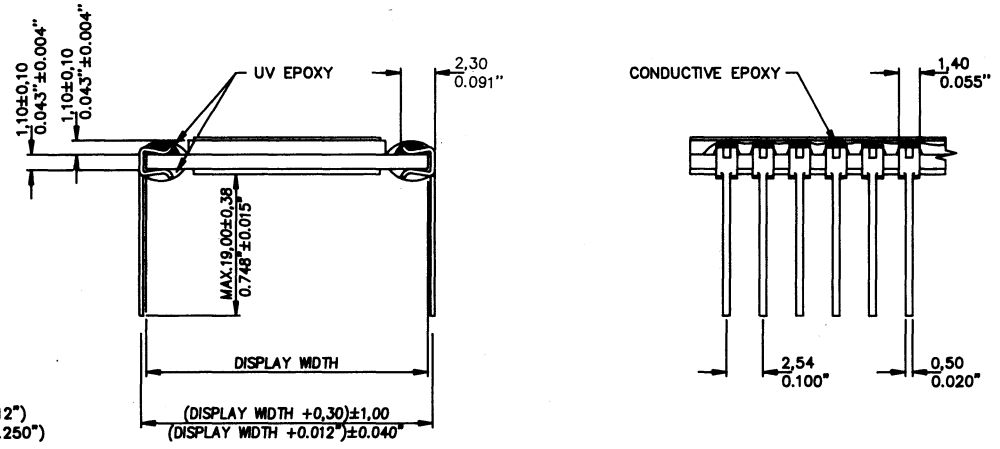
DIP PACK LCD TERMINALS

TYPE V50A (STANDARD PIN)



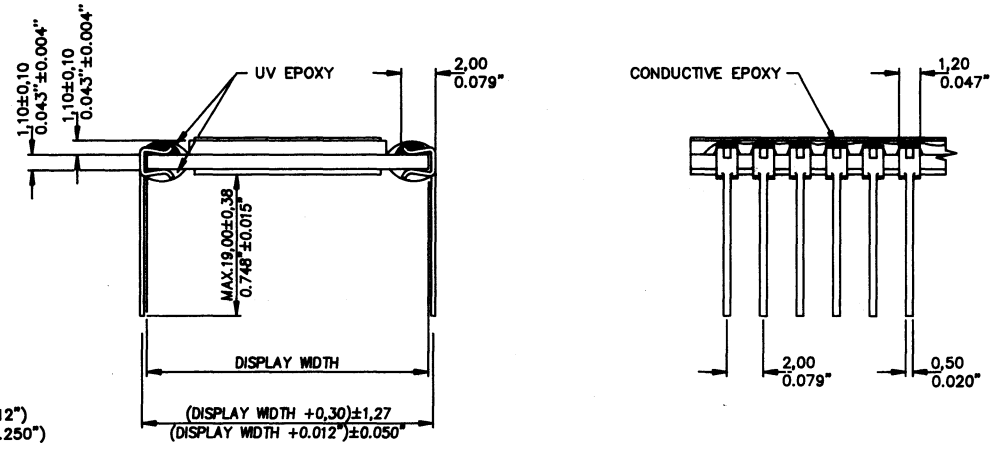
MATERIAL: PHOSPHOR BRONZE
MATERIAL THICKNESS: 0,25 (0.010")
STANDARD PIN LENGTH: 6,35 (0.250")

TYPE V500



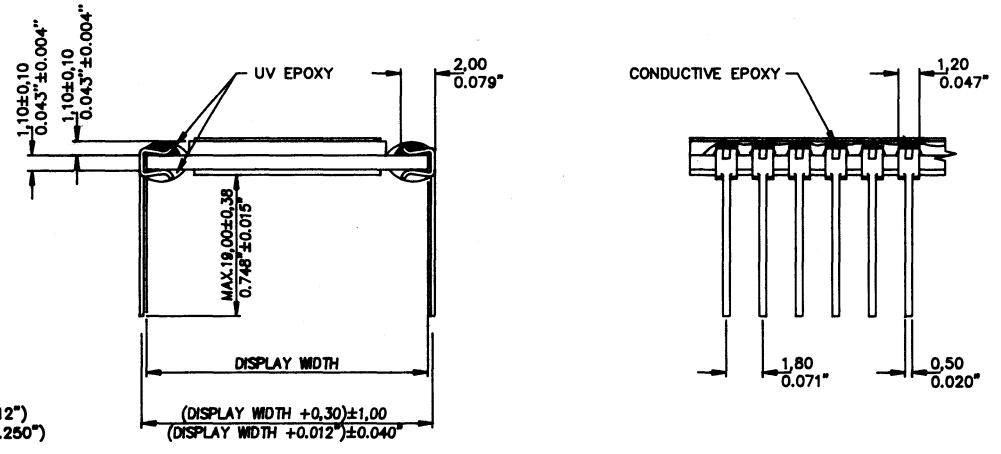
MATERIAL: PHOSPHOR BRONZE
MATERIAL THICKNESS: 0,30 (0.012")
STANDARD PIN LENGTH: 6,35 (0.250")

TYPE V527



MATERIAL: PHOSPHOR BRONZE
MATERIAL THICKNESS: 0,30 (0.012")
STANDARD PIN LENGTH: 6,35 (0.250")

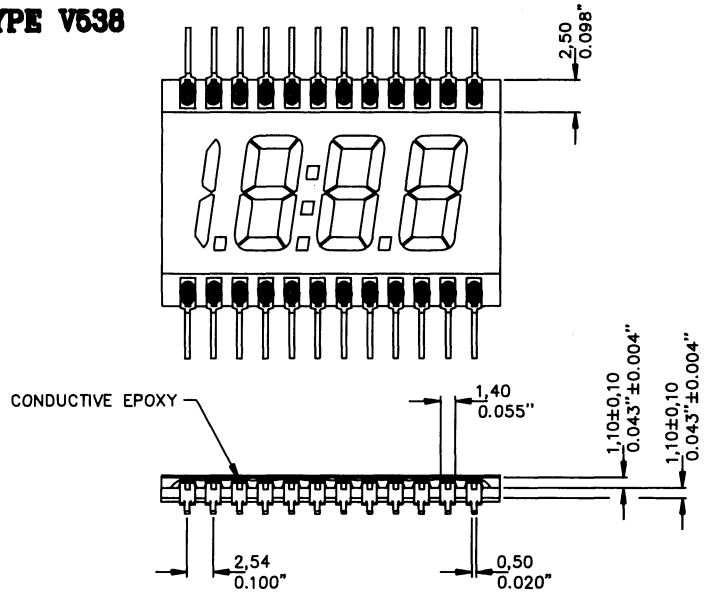
TYPE V584

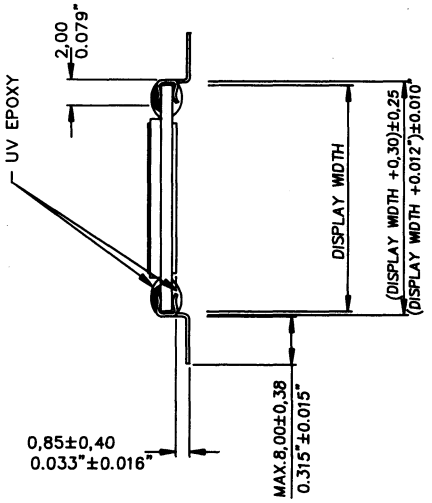


MATERIAL: PHOSPHOR BRONZE
MATERIAL THICKNESS: 0,30 (0.012")
STANDARD PIN LENGTH: 6,35 (0.250")

FLAT PACK LCD TERMINALS

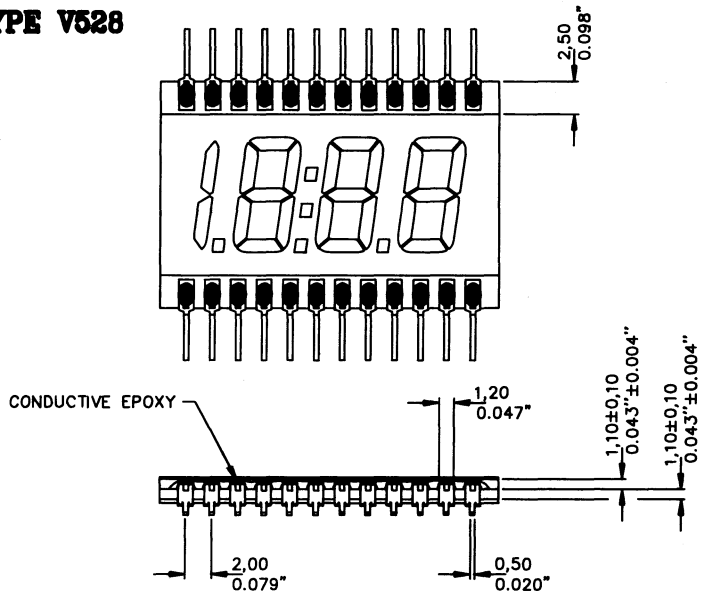
TYPE V538

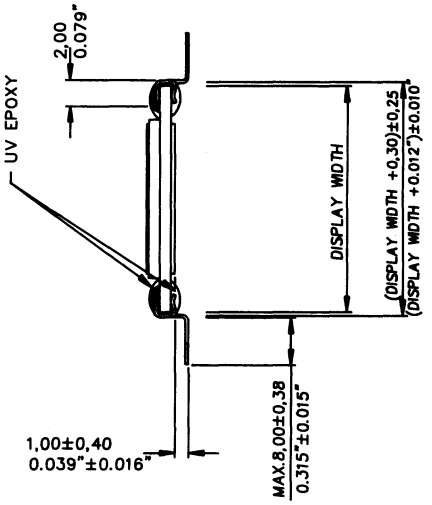




MATERIAL: PHOSPHOR BRONZE
MATERIAL THICKNESS: 0,30 (0.012")

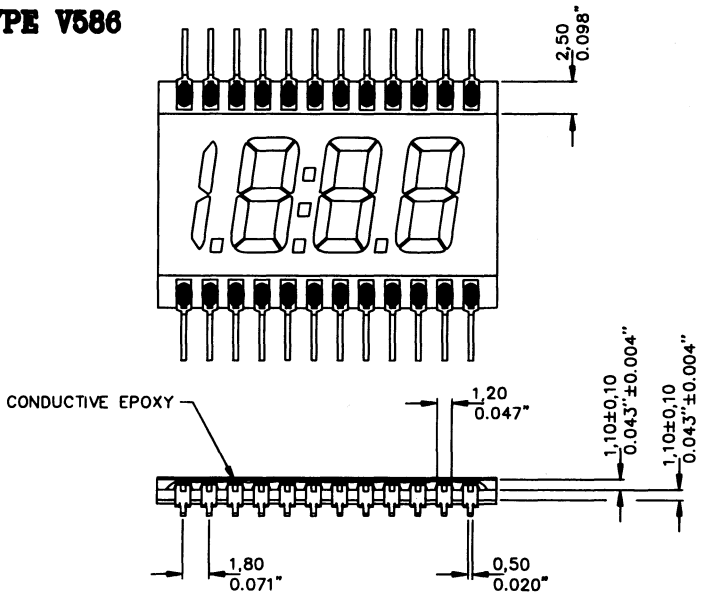
TYPE V528

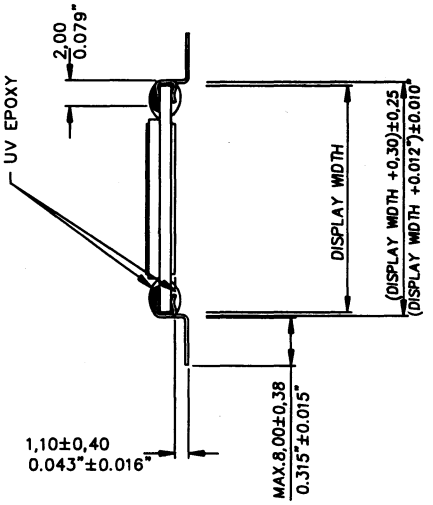




MATERIAL: PHOSPHOR BRONZE
MATERIAL THICKNESS: 0,30 (0.012")

TYPE V586

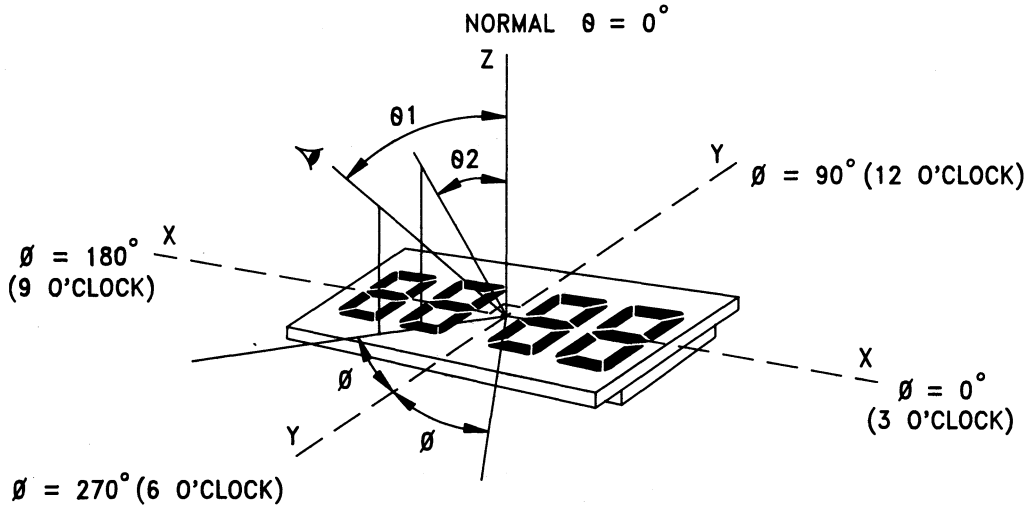




MATERIAL: PHOSPHOR BRONZE
MATERIAL THICKNESS: 0,30 (0.012")

ELECTRO-OPTICAL CHARACTERISTICS

A) DEFINITION OF VIEWING ANGLE



θ: ANGLE MEASURED FROM NORMAL TO DIRECTION OF OBSERVATION.
ø: AZIMUTH ANGLE MEASURED COUNTER-CLOCKWISE FROM X-AXIS.

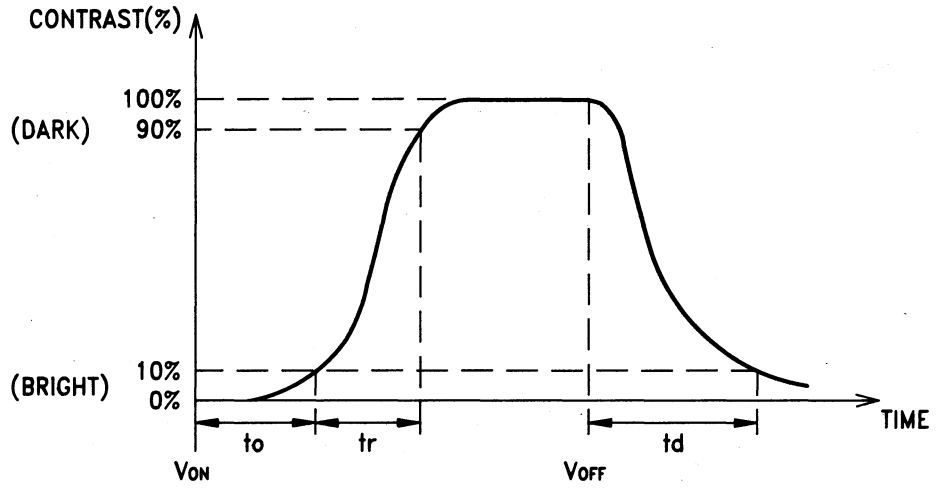
B) CONTRAST RATIO

THE CONTRAST RATIO IS DEFINED TO BE THE RATIO OF TRANSMISSION OR REFLECTION OF A SYMBOL AT ITS 'ON' & 'OFF' STATE.

$$\text{CONTRAST RATIO} = \frac{\text{TRANSMISSION/REFLECTANCE AT OFF STATE}}{\text{TRANSMISSION/REFLECTANCE AT ON STATE}}$$

C) RESPONSE TIME

AT SPECIFIC OPERATING VOLTAGE AND TEMPERATURE, THE TIMES MEASURED BY OBSERVING CONTRAST OR TRANSMISSION RATIO.



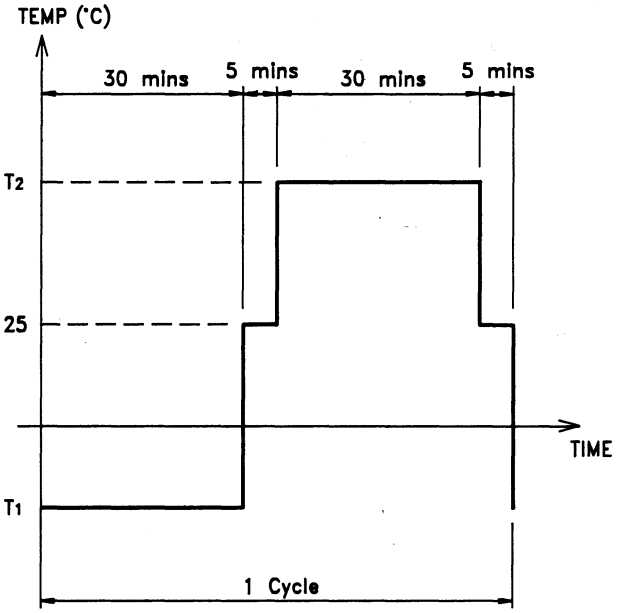
DELAY TIME to: MEASURED BETWEEN ZERO AND 10% WITH VON
RISE TIME tr : MEASURED BETWEEN 10% AND 90% OF LCD SEGMENT MAXIMUM RESPONSE WITH VON
DECAY TIME td: WITH VOLTAGE SWITCHES TO ZERO AND THE INSTANT LCD SEGMENT REACHES 10% OF ITS MAXIMUM RESPONSE
TON : TIME MEASURED BETWEEN THE INSTANT OPERATING VOLTAGE IS APPLIED TO DISPLAY AND THE INSTANT THE DISPLAY REACHES 90% OF ITS MAXIMUM RESPONSE
TOFF : TIME MEASURED BETWEEN THE INSTANT OPERATING VOLTAGE SWITCHES TO ZERO AND THE INSTANT THE DISPLAY REACHES 10% OF ITS MAXIMUM RESPONSE

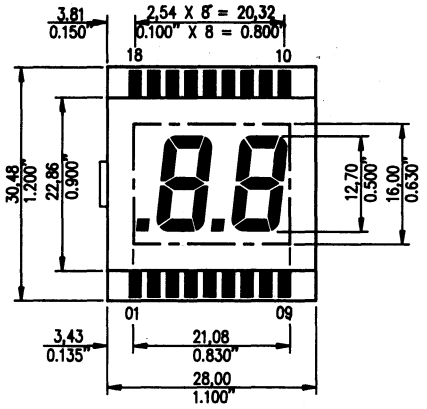
ELECTRO-OPTICAL CHARACTERISTICS

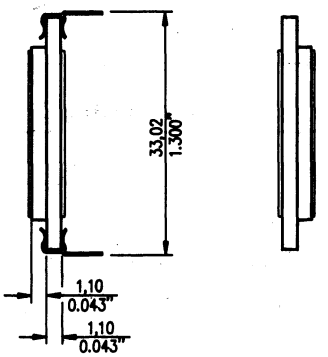
MUX LEVEL	ITEM	SYMBOL	TEST CONDITION	COMMERCIAL GRADE STANDARD VALUE			WIDE TEMP STANDARD VALUE			UNIT
				MIN	TYP	MAX	MIN	TYP	MAX	
STATIC	LIQUID CRYSTAL OPERATING VOLTAGE	Vo	25°C	2.0	3.0	–	3.0	5.0	–	V
	VISUAL ANGLE RANGE	θ1–θ2	CR=3	45	–	–	45	–	–	deg
	CONTRAST RATIO	CR	θ=0° 25°C	15:1	–	–	15:1	–	–	–
	RISE TIME	tr	f=64Hz θ=0°, Vo=Typ	–	–	90	–	–	90	ms
	DECAY TIME	td	f=64Hz θ=0°, Vo=Typ	–	–	120	–	–	120	ms
1/2 MUX	LIQUID CRYSTAL OPERATING VOLTAGE	Vo	25°C	2.4	3.0	3.5	4.5	5.0	5.5	V
	VISUAL ANGLE RANGE	θ1–θ2	CR=3	45	–	–	45	–	–	deg
	CONTRAST RATIO	CR	θ=0° 25°C	13:1	–	–	13:1	–	–	–
	RISE TIME	tr	f=64Hz θ=0°, Vo=Typ	–	–	90	–	–	90	ms
	DECAY TIME	td	f=64Hz θ=0°, Vo=Typ	–	–	120	–	–	120	ms
1/3 MUX	LIQUID CRYSTAL OPERATING VOLTAGE	Vo	25°C	2.6	3.0	3.3	4.7	5.0	5.5	V
	VISUAL ANGLE RANGE	θ1–θ2	CR=3	45	–	–	45	–	–	deg
	CONTRAST RATIO	CR	θ=0° 25°C	10:1	–	–	10:1	–	–	–
	RISE TIME	tr	f=64Hz θ=0°, Vo=Typ	–	–	120	–	–	120	ms
	DECAY TIME	td	f=64Hz θ=0°, Vo=Typ	–	–	150	–	–	150	ms
1/4 MUX	LIQUID CRYSTAL OPERATING VOLTAGE	Vo	25°C	2.7	3.0	3.3	4.8	5.0	5.5	V
	VISUAL ANGLE RANGE	θ1–θ2	CR=3	30	–	–	30	–	–	deg
	CONTRAST RATIO	CR	θ=0° 25°C	10:1	–	–	10:1	–	–	–
	RISE TIME	tr	f=64Hz θ=0°, Vo=Typ	–	–	120	–	–	120	ms
	DECAY TIME	td	f=64Hz θ=0°, Vo=Typ	–	–	150	–	–	150	ms
1/16 MUX	LIQUID CRYSTAL OPERATING VOLTAGE	Vo	25°C	3.8	3.9	4.0	4.4	4.5	4.6	V
	VISUAL ANGLE RANGE	θ1–θ2	CR=3	20	–	–	20	–	–	deg
	CONTRAST RATIO	CR	θ=0° 25°C	6:1	–	–	6:1	–	–	–
	RISE TIME	tr	f=64Hz θ=0°, Vo=Typ	–	–	240	–	–	240	ms
	DECAY TIME	td	f=64Hz θ=0°, Vo=Typ	–	–	240	–	–	240	ms

NOTE: (1) THE ABOVE DATA ARE RECOMMENDED VALUE
(2) MANY OTHER LIQUIDS$_1$ AVAILABLE ON REQUEST

TYPICAL ENVIRONMENTAL TEST SPECIFICATIONS

PARAMETERS \ RELIABILITY GRADE	COMMERCIAL	WIDE RELIABILITY	HIGH RELIABILITY	UNITS
TEMPERATURE/HUMIDITY				
(A) WITHOUT POLARIZER				
80°C, 95% RELATIVE HUMIDITY	>150	>300	>300	HR
60°C, 70% RELATIVE HUMIDITY	>500	>2,000	>2,000	HR
(B) POLARIZER GLUED				
60°C, 70% RELATIVE HUMIDITY	>300	>1,000	>1,000	HR
60°C, 90% RELATIVE HUMIDITY	>200	>500	>500	HR
HIGH TEMPERATURE				
(A) WITH POLARIZER				
90°C	N.A.	>200	>200	HR
60°C	>200	>500	>500	HR
TEMPERATURE CYCLING				
	$T_1 = -10$ $T_2 = 60$	$T_1 = -30$ $T_2 = 85$	$T_1 = -40$ $T_2 = 85$	
TOTAL : 20 CYCLES				
LOW PRESSURE 1 PA	30	100	100	HR
EXPECTED LIFE	100,000			HR

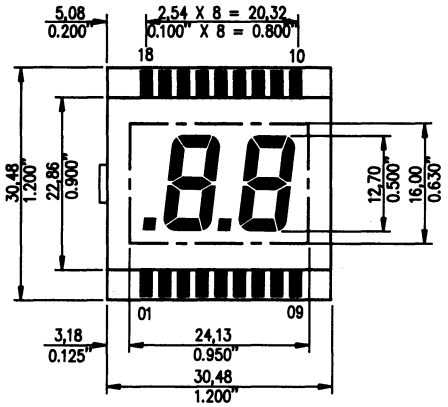


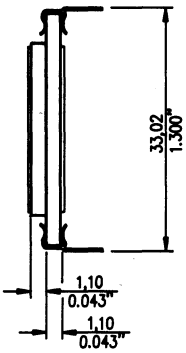


I1045 I1027

FILL-END = MAX 6,00 X 1,00 (0.236" X 0.039")
DRIVER = OKI MSM58292, HD61603

SEG.	BP	DP1	1E	1D	1C	DP2	2E	2D	2C	2B	2A	2F	2G	1B	1A	1F	1G	BP
PIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

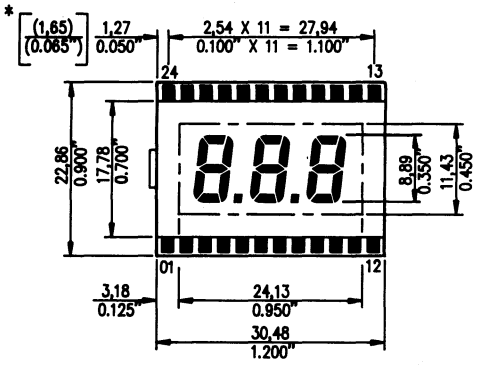


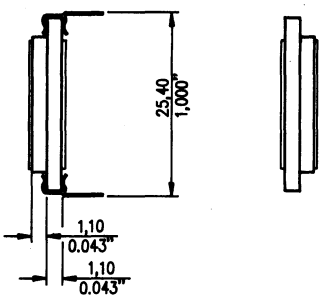


I1075

FILL-END = MAX 6,00 X 1,00 (0.236" X 0.039")
DRIVER = OKI MSM58292, HD61603

SEG.	BP	DP1	1E	1D	1C	DP2	2E	2D	2C	2B	2A	2F	2G	1B	1A	1F	1G	NC
PIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



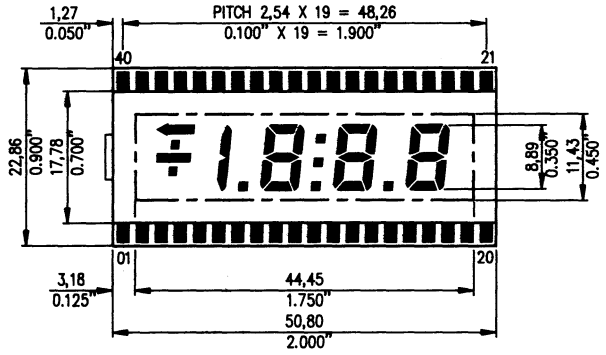


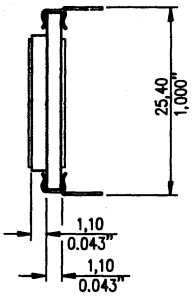
I1059 I1086

FILL-END = MAX 6,00 X 1,00 (0.236" X 0.039")
DRIVER = OKI MSM58292, HD61603

SEG.	1E	1D	1C	DP1	2E	2D	2C	DP2	3E	3D	3C	3B	A3	3F	3G	2B	2A	2F	2G	1B	1A	1F	1G	BP
PIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

* DIM. FOR I1086

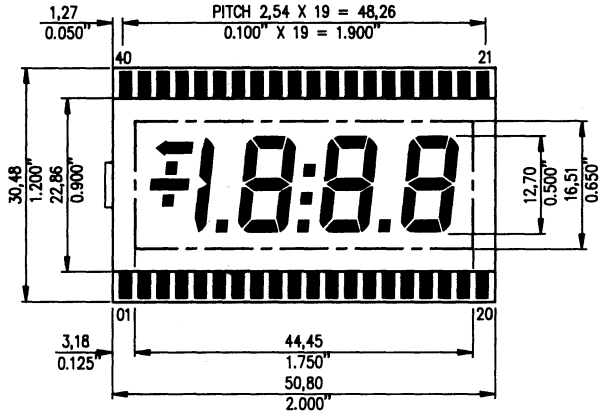


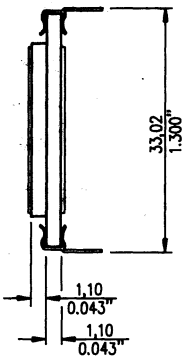


I1061

FILL-END = MAX 10,00 X 1,00 (0.394" X 0.039")
DRIVER = INTERSIL ICL7106, TELEDYNE 7106

SEG.	3A	3F	3G	2B	2A	2F	2G	COL	1B	1A	1F	1G	NC	NC	NC	NC	NC	←	:	BP
PIN#	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SEG.	BP	–	K	NC	NC	NC	NC	DP1	1E	1D	1C	DP2	2E	2D	2C	DP3	3E	3D	3C	3B
PIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

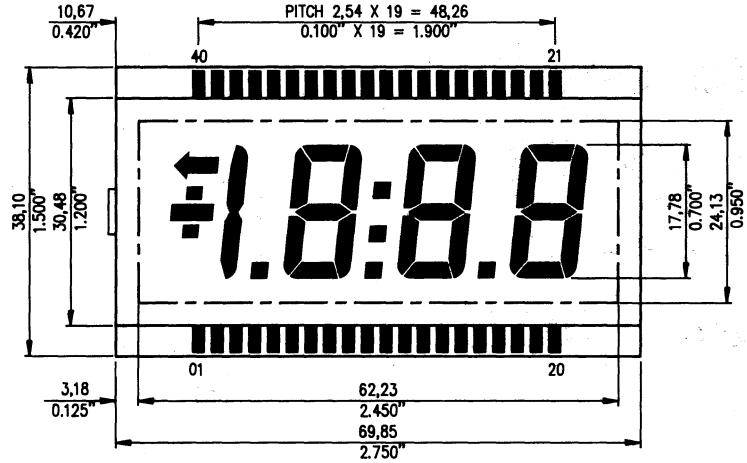


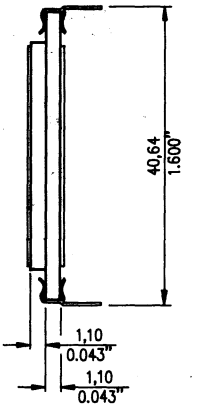


I1048

FILL-END = MAX 10,00 X 1,00 (0.394" X 0.039")
DRIVER = INTERSIL ICL7106, TELEDYNE 7106

SEG.	3A	3F	3G	2B	2A	2F	2G	COL	1B	1A	1F	1G	NC	NC	NC	NC	NC	←	:	BP
PIN#	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SEG.	BP	–	K	NC	NC	NC	NC	DP1	1E	1D	1C	DP2	2E	2D	2C	DP3	3E	3D	3C	3B
PIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20





I1083

FILL-END = MAX 10,00 X 1,00 (0.394" X 0.039")
DRIVER = INTERSIL ICL7106, TELEDYNE 7106

SEG.	3A	3F	3G	2B	2A	2F	2G	COL	1B	1A	1F	1G	NC	NC	NC	NC	NC	←	:	BP
PIN#	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SEG.	BP	–	K	NC	NC	NC	NC	DP1	1E	1D	1C	DP2	2E	2D	2C	DP3	3E	3D	3C	3B
PIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20