

LIQUID CRYSTAL DISPLAYS

Hamlin, a pioneer in liquid crystal display technology, began building LCD's in 1972. Today, Hamlin is the largest volume North American producer of LCD's. Hamlin's unique manufacturing facilities provide for high volume and high quality displays.

- HAMLIN LCD'S OFFER MANY ADVANTAGES!** *T-41-38*
- Excellent Viewing Angle
 - Ultra-low Power Consumption
 - Superior Reliability and Assured Quality Levels
 - Excellent Readability in Direct Sunlight
 - Custom Capability / Format Flexibility
 - CMOS / TTL Compatible Drive Characteristics
 - Proven Thermalplastic Bonding



Black segments against silver transfective background.

Model Number	List Price
3900-365-020	\$16.28
3901-365-020	\$17.13
3902-365-020	\$17.13
3906-365-020	\$17.13
3918-365-020	\$21.48
3919-365-020	\$23.40
3920-365-020	\$48.23
3922-365-020	\$24.15
3935-365-020	\$15.50
3975-365-020	\$31.59

The Hamlin liquid crystal displays listed feature: black segments against a silver transfective background, smooth transfective backing, and standard DIL / SIL pin (0.25" length) connection method.

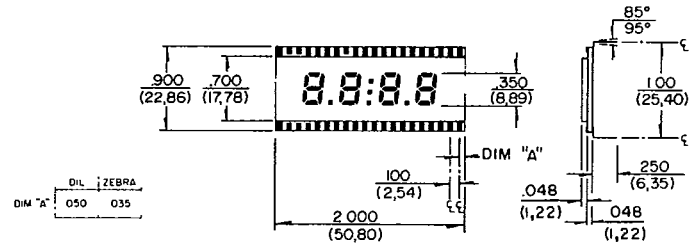
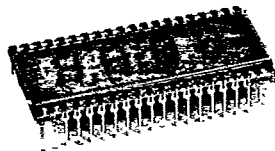
PERFORMANCE SPECIFICATIONS

	Min.	Typ.	Max.
Operating Voltage	4	7	15
DC Drive Component Allowable		50	
Operating Frequency Range	30	60	100
Current (all segments on) *		5	20
Capacitance (all segments on) *		3000	
DC Resistance (all segments on) *		50	
Visual Threshold			
10% ON @ 25°C		2.2	
10% ON @ 0°C		2.4	
90% ON @ 25°C		3.0	
90% ON @ 0°C		3.2	
Typical Response Time * (T on and T off) at 25°C		Less than 45 ms total	
Segment ON (TA = 25°C)		15	20
Segment OFF (TA = 25°C)		30	60
Segment ON (TA = 0°C)		50	180
Segment OFF (TA = 0°C)		150	320
Contrast Ratio		20:1	
Operating Temperature Range	-20 ¹		+85
Storage Temperature Range	-55		+85
Expected Life		100,000	
Viewing Angle — From Normal		±75° @ 7V ±60° @ 6V ±45° @ 5V	

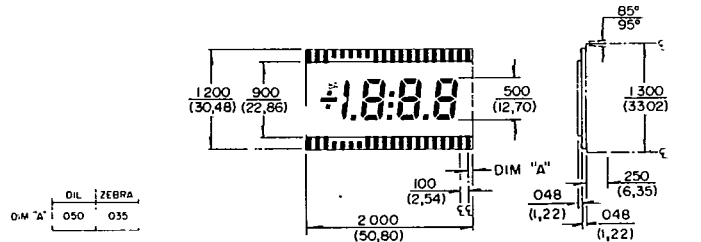
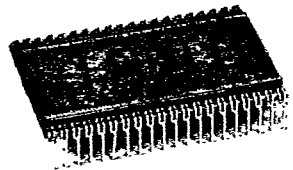
*for a 4 digit (1/2") Instrument LCD (3906)

1 Typical combined ON and OFF times of: 0.8 sec @ -20°C

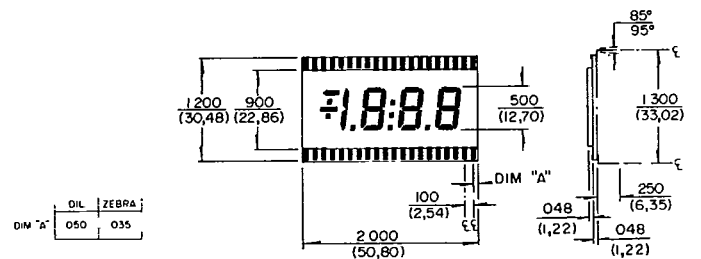
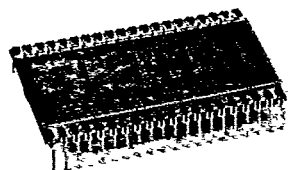
MODEL
3900-365-020



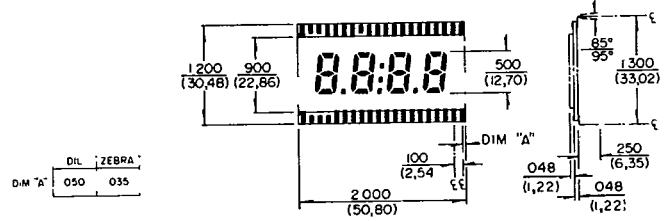
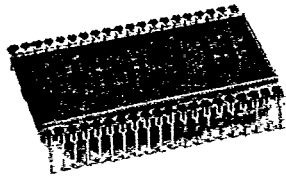
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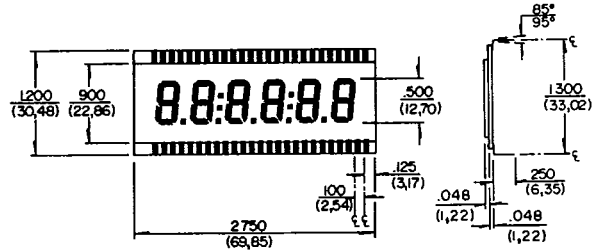
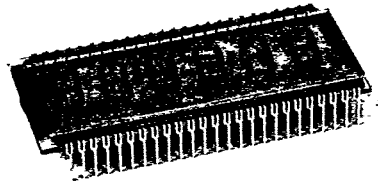
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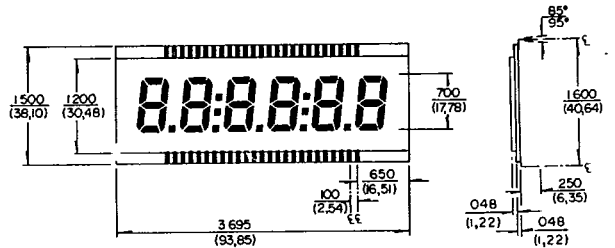
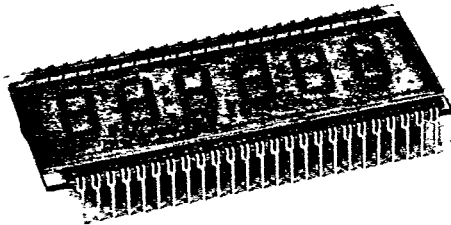
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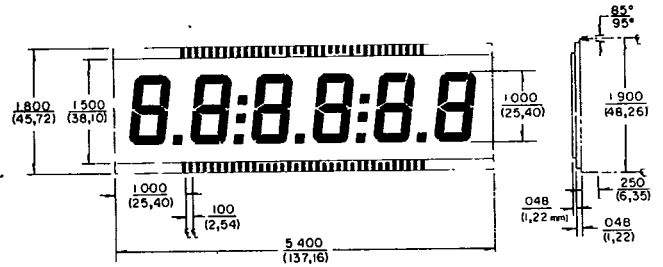
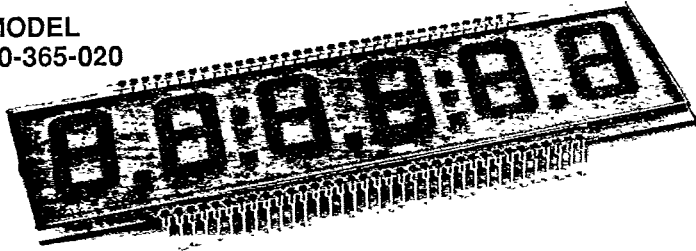
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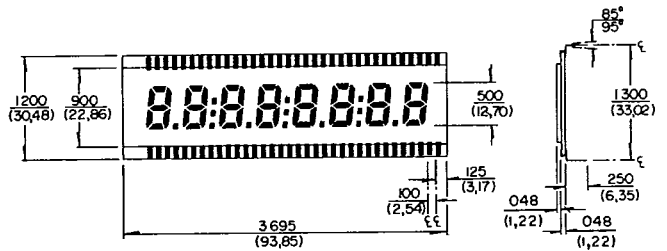
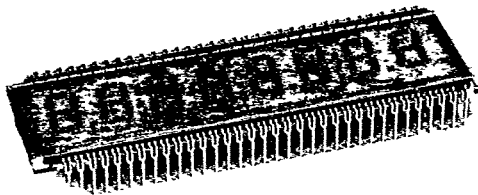
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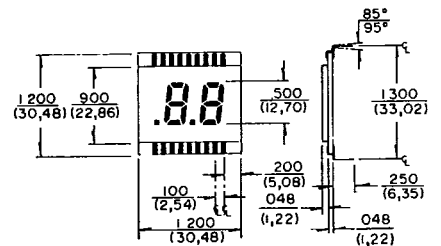
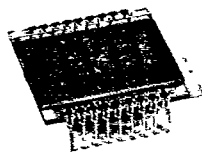
MODEL 3920-365-020



MODEL 3922-365-020



MODEL 3935-365-020



MODEL 3975-365-020

