

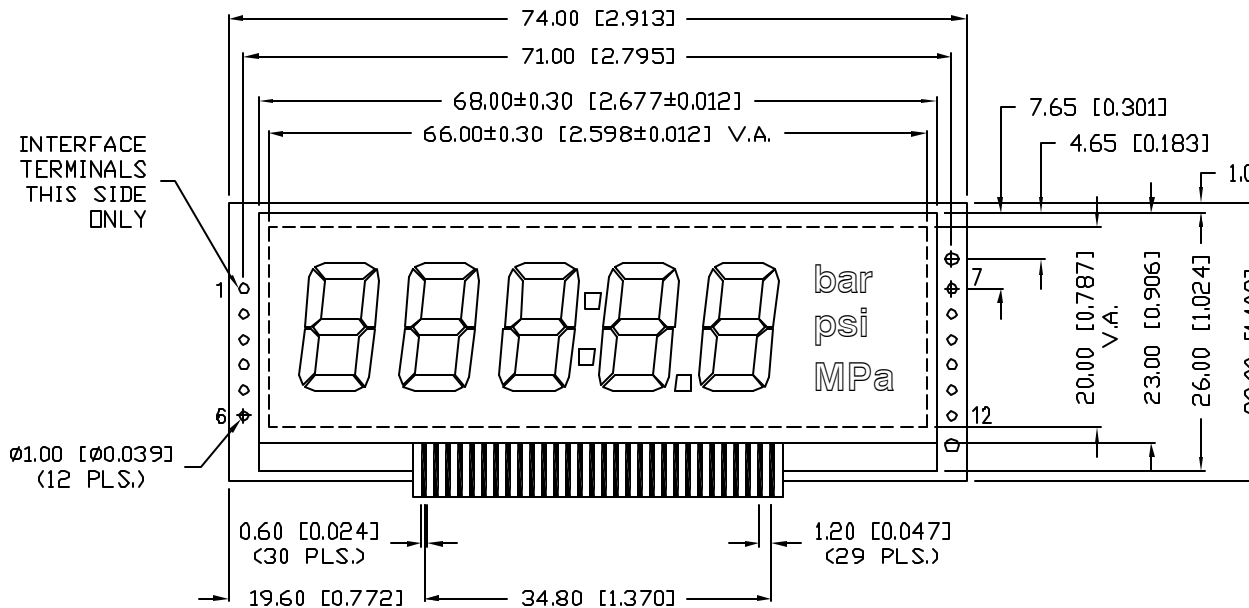
UNCONTROLLED DOCUMENT

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

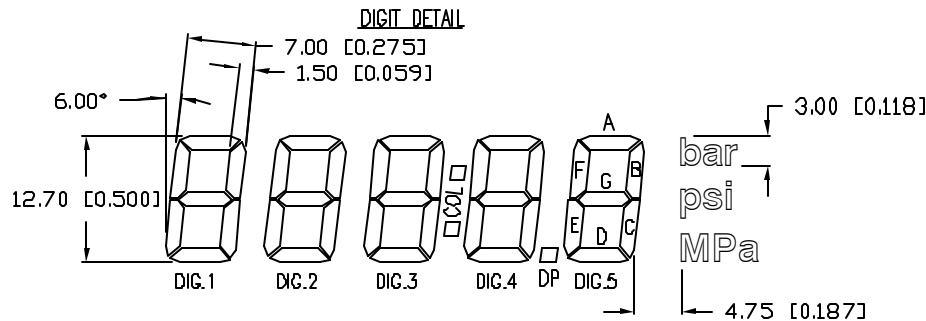
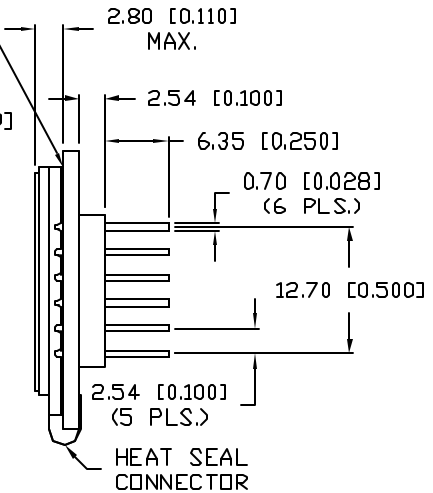
PART NUMBER
LCM-H501M40TR-1

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10818.	12.11.01
B	E.C.N. #11148.	4.20.07



DOUBLE SIDED TAPE TO BE USED B/W
GLASS & PCB; 3M 4952 OR EQUIVALENT



CHARACTERISTICS	
FLUID TYPE	TN
BACKGROUND COLOR	GRAY
VIEWING DIRECTION	12:00
DISPLAY MODE	REFLECTIVE/POSITIVE
OPERATING VOLTAGE	5.0V
OPERATING TEMP.	-30°C TO 75°C
STORAGE TEMP.	-40°C TO 80°C
DRIVER	KS0035
CONNECTION TYPE	8 PINS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+0.00/-0.00 DECIMAL PRECISION MAX.=+0.00/-0.00 DECIMAL PRECISION

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FIVE DIGIT SEVEN SEGMENT CUSTOM LCD MODULE,
TOP VIEW, TN, REFLECTIVE, 1/2 DUTY.

RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

DRAWN BY: JC CHECKED BY: APPROVED BY: DATE: 1.15.01
PAGE: 1 OF 2
SCALE: N/A

BIT MAP

	COM1	COM2
D1	1F	
D2		1E
D3	1A	
D4		1D
D5	1G	
D6		1C
D7	1B	
D8		
D9	2F	
D10		2E
D11	2A	
D12		2D
D13	2G	
D14		2C
D15	2B	
D16		
D17	3F	
D18		3E
D19	3A	
D20		3D

	COM1	COM2
D21	3G	
D22		3C
D23	3B	
D24		3D
D25	4F	
D26		4E
D27	4A	
D28		4D
D29	4G	
D30		4C
D31	4B	
D32		
D33		
D34		DP
D35	5F	
D36		5E
D37	5A	
D38		5D
D39	5G	
D40		5C

	COM1	COM2
D41	5B	
D42		
D43	bar	
D44		
D45	psi	
D46		
D47		
D48		MPa

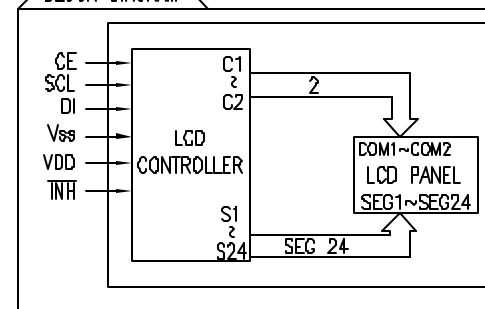
PIN CONFIGURATION

PIN NO.	SYMBOL	FUNCTION
1	Vss	POWER SUPPLY
2	VDD	
3	TINH	DISPLAY OFF (LOW)
4	CE	CHIP ENABLE (HIGH)
5	SCL	SERIAL DATA CLOCK
6	DI	DISPLAY DATA INPUT
7~12	N/C	NO CONNECTION

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	V _{DD}	T _a =25°C	-0.3	7.0	V
SUPPLY VOLTAGE FOR LCD DRIVE	V _{LCD}	T _a =25°C	-0.3	V _{DD} +0.3	V
INPUT VOLTAGE	V _I	T _a =25°C	-0.3	V _{DD} +0.3	V
OPERATING TEMPERATURE	T _{opr}	-	-30	75	°C
STORAGE TEMPERATURE	T _{stg}	-	-40	80	°C

BLOCK DIAGRAM



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