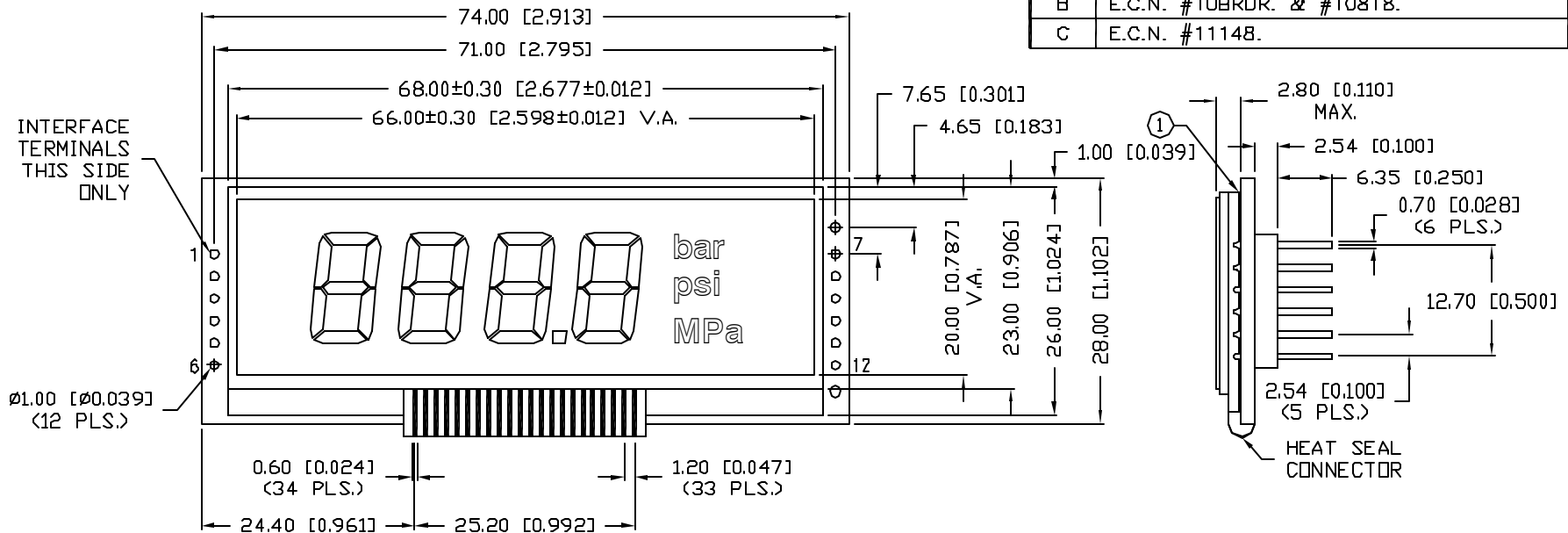


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PART NUMBER
LCM-H401M40TR-1

REV.
C

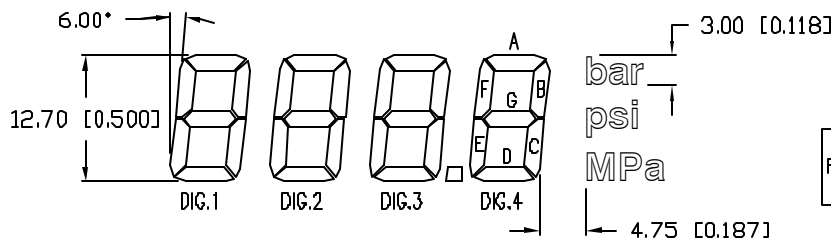
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10612.	4.6.00
B	E.C.N. #10BRDR. & #10818.	4.6.00
C	E.C.N. #11148.	4.20.07



NOTES:

- 1. 3M DOUBLE SIDED ADHESIVE TAPE 4952 TO BE USED BETWEEN GLASS AND PCB.
- 2. THE TAPE SIZE IS 1" IN LENGTH AND 0.5" IN HEIGHT.

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



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



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*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

REV. C	PART NUMBER LCM-H401M40TR-1	<p>CONFIDENTIAL INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p>RELIABILITY NOTE</p> <p>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.</p>	<p>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw</p>
FOUR DIGIT SEVEN SEGMENT CUSTOM LCD MODULE, TOP VIEW, TN, REFLECTIVE, 1/2 DUTY.		DRAWN BY: JC CHECKED BY: APPROVED BY:	DATE: 12.1.99 PAGE: 1 OF 2 SCALE: N/A

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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		/
D25	/	
D26		DP
D27	4F	
D28		4E
D29	4A	
D30		4D
D31	4G	
D32		4C
D33	4B	
D34		/
D35	bar	
D36		/
D37	psi	
D38		/
D39	/	
D40		MPa

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
	SEE PAGE 1.	

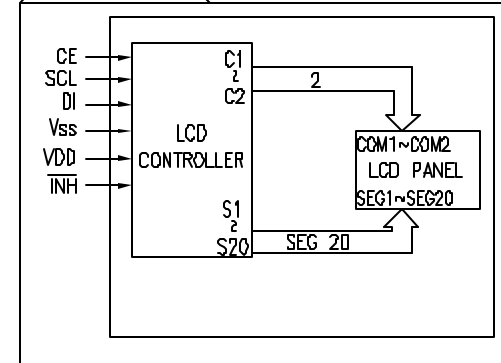
PIN CONFIGURATION

PIN NO.	SYMBOL	FUNCTION
1	V _{SS}	POWER SUPPLY
2	V _{DD}	
3	TNH	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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REV.	PART NUMBER
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			PAGE: 2 OF 2
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