

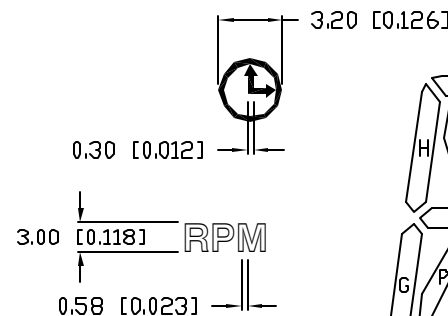
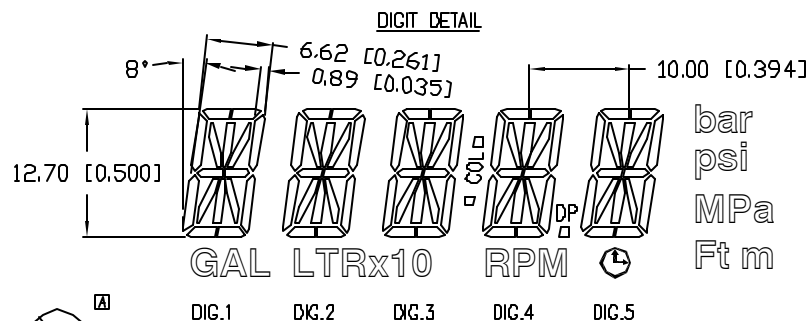
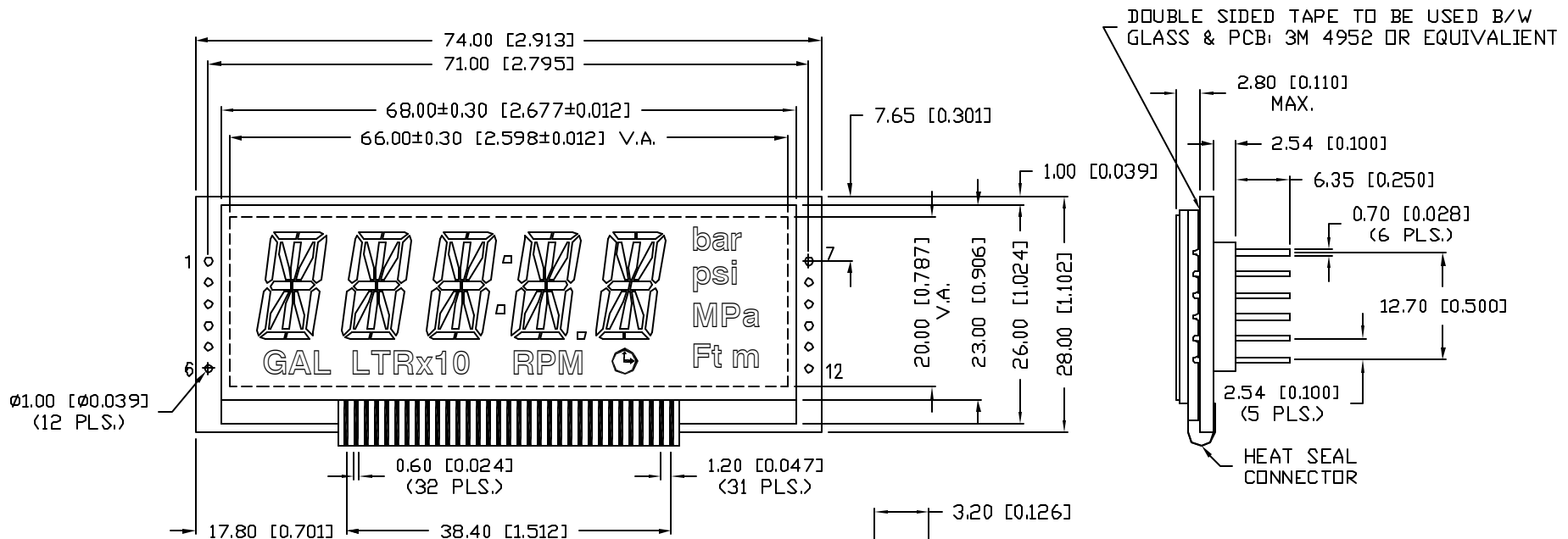
UNCONTROLLED DOCUMENT

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

PART NUMBER
LCM-H501A50TR-1

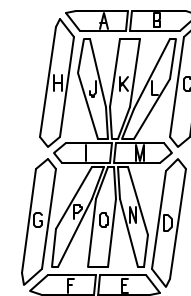
REV.
A

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



NOTES:

1.'Ft' AND 'm' ARE SEPARATE SEGMENTS.



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.	-30°C TO 80°C
DRIVER	HOLTEK HT1621
CONNECTION TYPE	7 ACTIVE 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 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

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PART NUMBER
LCM-H501A50TR-1

FIVE DIGIT 16 SEGMENT CUSTOM LCD MODULE,
TOP VIEW, TN, REFLECTIVE, 1/4 DUTY, 1/3 BIAS.

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

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			PAGE: 1 OF 2
			SCALE: N/A

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

BIT MAP

DATA ADDR	COM0	COM1	COM2	COM3
SEG0	1H	1I	1P	1G
SEG1	1A	1J	1O	1F
SEG2	1B	1K	1N	1E
SEG3	1C	1L	1M	1D
SEG4				GAL
SEG5	2H	2I	2P	2G
SEG6	2A	2J	2O	2F
SEG7	2B	2K	2N	2E
SEG8	2C	2L	2M	2D
SEG9				LTR
SEG10				X10
SEG11	3H	3I	3P	3G
SEG12	3A	3J	3O	3F
SEG13	3B	3K	3N	3E
SEG14	3C	3L	3M	3D
SEG15				COL
SEG16				RPM
SEG17	4H	4I	4P	4G
SEG18	4A	4J	4O	4F
SEG19	4B	4K	4N	4E
SEG20	4C	4L	4M	4D

DATA ADDR	COM0	COM1	COM2	COM3
SEG21				DP
SEG22				CLK
SEG23	5H	5I	5P	5G
SEG24	5A	5J	5O	5F
SEG25	5B	5K	5N	5E
SEG26	5C	5L	5M	5D
SEG27				Ft
SEG28	bar	psi	mPa	m

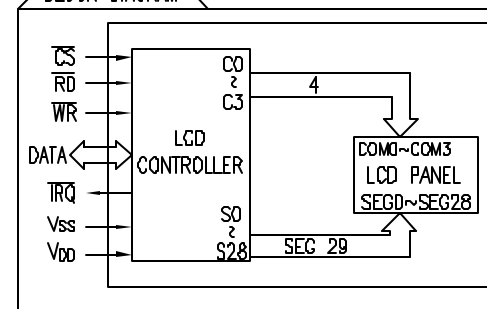
PIN CONFIGURATION

PIN NO.	SYMBOL	FUNCTION
1	V _{SS}	POWER SUPPLY
2	V _{DD}	
3	NC	NO CONNECTION
4	CS	CHIP SELECT INPUT (HIGH)
5	WR	WRITE CLOCK INPUT
6	DATA	SERIAL DATA I/O
7	RD	READ CLOCK INPUT
8	IRQ	TIME BASE OR WDT OVERFLOW FLAG
9~12	NC	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}	-	-30	80	°C

BLOCK DIAGRAM



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