

UNCONTROLLED DOCUMENT

SC:1

PART NUMBER

REV.

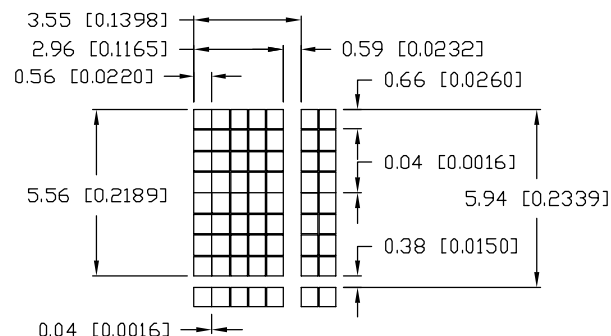
LCM-S01602DSR35480

A

UNDER REVISION

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11524.	08.12.08

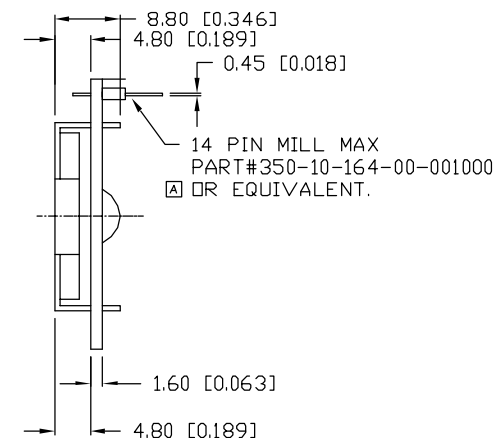
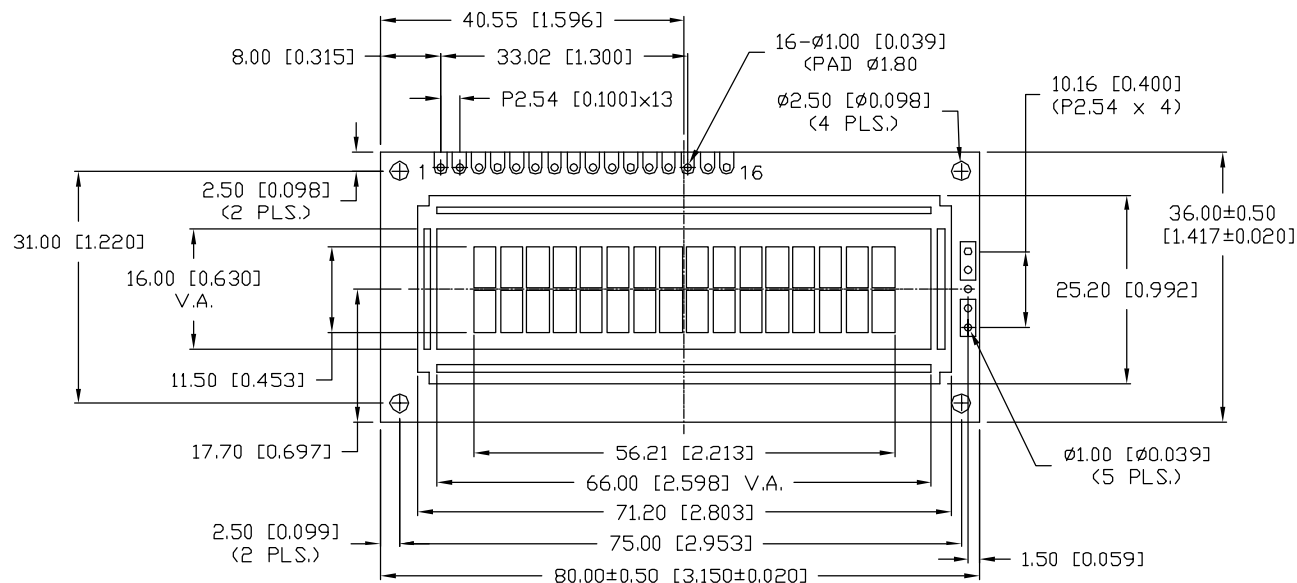
CHARACTER DETAIL



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

NOTES:

1. HEADER SIDE WITH 0.635mm DIAMETER PIN TO BE
INSERTED INTO PCB.



*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= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

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LCM-S01602DSR35480

STN, REFLECTIVE, MILL MAX HEADER, 6:00 VIEW,
5.56mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX,
16 x 2 LCD MODULE, 1/16 DUTY, 1/5 BIAS.

CONFIDENTIAL INFORMATION

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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.



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DATE: 09.26.06

JD

PAGE: 1 OF 2

SCALE: N/A

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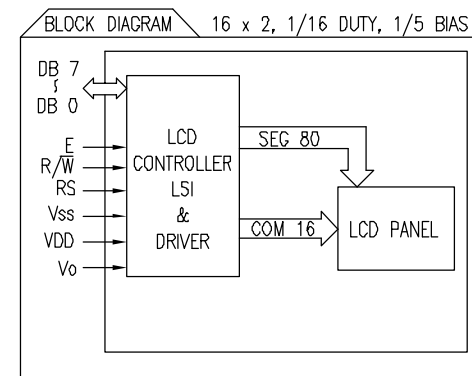
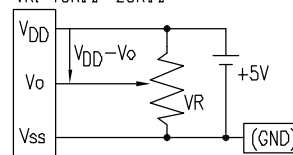
REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

SEE ON PAGE ONE.

PIN CONFIGURATION			
PIN NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	-	POWER SUPPLY
2	VDD	-	
3	Vo	-	
4	RS	H/L	REGISTER SELECT SIGNAL H: DATA INPUT L: INSTRUCTION INPUT
5	R/W	H/L	H: DATA READ (MODULE-->MPU) L: DATA WRITE (MODULE<--MPU)
6	E	H,H->L	ENABLE
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MODE.
15			-
16			-

VDD-Vo: LCD DRIVING VOLTAGE
VR: 10K Ω - 20K Ω



ELECTRICAL CHARACTERISTICS		VDD=4.7V to 5.3V, TA=25°C				
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	-	MIN.	TYP.	MAX.	
SUPPLY CURRENT FOR LOGIC	IDD	VDD=5V	-	5.0	-	V
INPUT VOLTAGE	HIGH	VIH	-	2.2	-	VDD
	LOW	VIL	-	0	-	0.6
OUTPUT VOLTAGE	HIGH	VOH	-	2.4	-	-
	LOW	VOL	-	-	-	0.4

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	V
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	4.2@50°C	4.8@0°C	V
INPUT VOLTAGE	VI	Ta=25°C	Vss	VDD	V
OPERATING TEMPERATURE	Topr	LCM-S	0	50	°C
		LCM-H	-20	70	°C
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	°C
		LCM-H	-30	85	°C

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PAGE: 2 OF 2

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