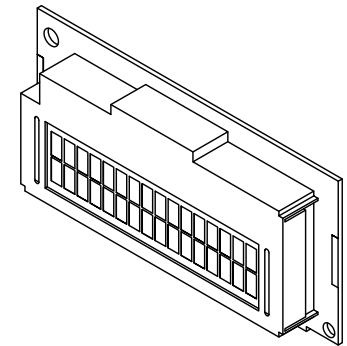
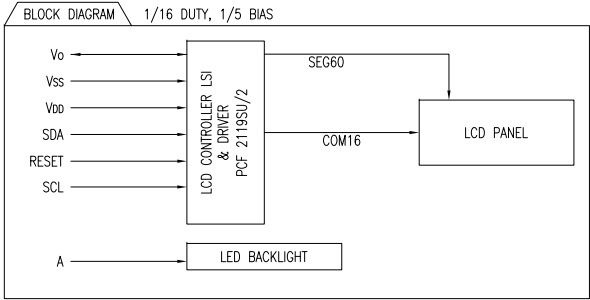
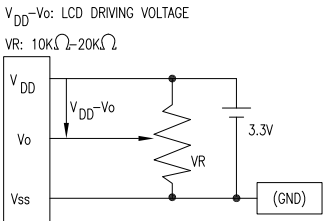




UNCONTROLLED DOCUMENT

PIN CONFIGURATION			
PIN NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	0V	POWER SUPPLY GROUND
2	Vdd	3.0V	POWER SUPPLY VOLTAGE
3	Vo	—	CONTRAST ADJUST
4	SDA	H/L	IIC BUS SERIAL DATA I/O
5	SCL	H/L	IIC BUS SERIAL CLOCK INPUT
6	A	3.4V	LED POWER SUPPLY (+)
7	RES	H	RESET INPUT



ELECTRICAL CHARACTERISTICS			$V_{DD}=2.7V$ to $4.5V$, $T_a=25^{\circ}C$			
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN	TYP	MAX	
SUPPLY VOLTAGE FOR LOGIC	$V_{DD}-V_{SS}$	—	2.2	3.0	3.5	V
SUPPLY CURRENT FOR LOGIC	I_{DD}	$V_{DD}=3V$	—	0.20	1.0	mA
INPUT VOLTAGE	HIGH	V_{IH}	H LEVEL	2.2	—	V_{DD} V
	LOW	V_{IL}	L LEVEL	0	—	0.6 V
LED BACKLIGHT	FORWARD VOLTAGE	V_f	$I_f=40mA$	—	3.4	4.0 V
	FORWARD CURRENT	I_f	—	40	—	mA
	REVERSE CURRENT	I_r	$V_r=5V$	—	—	0.2 mA
	COLOR	—	WHITE	—	—	nm

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	$V_{DD}-V_{SS}$	$T_a=25^{\circ}C$	-0.5	6.5	V
SUPPLY VOLTAGE FOR LCD DRIVE	$V_{DD}-V_o$	$T_a=25^{\circ}C$	-0.5	7.5	V
INPUT VOLTAGE	V_i	$T_a=25^{\circ}C$	-0.5	V_{DD}	V
OPERATING TEMPERATURE	T_{opr}	LCM-H	0	50	$^{\circ}C$
STORAGE TEMPERATURE	T_{stg}	LCM-H	-20	70	$^{\circ}C$

*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

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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