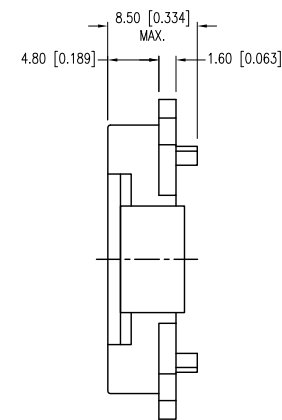
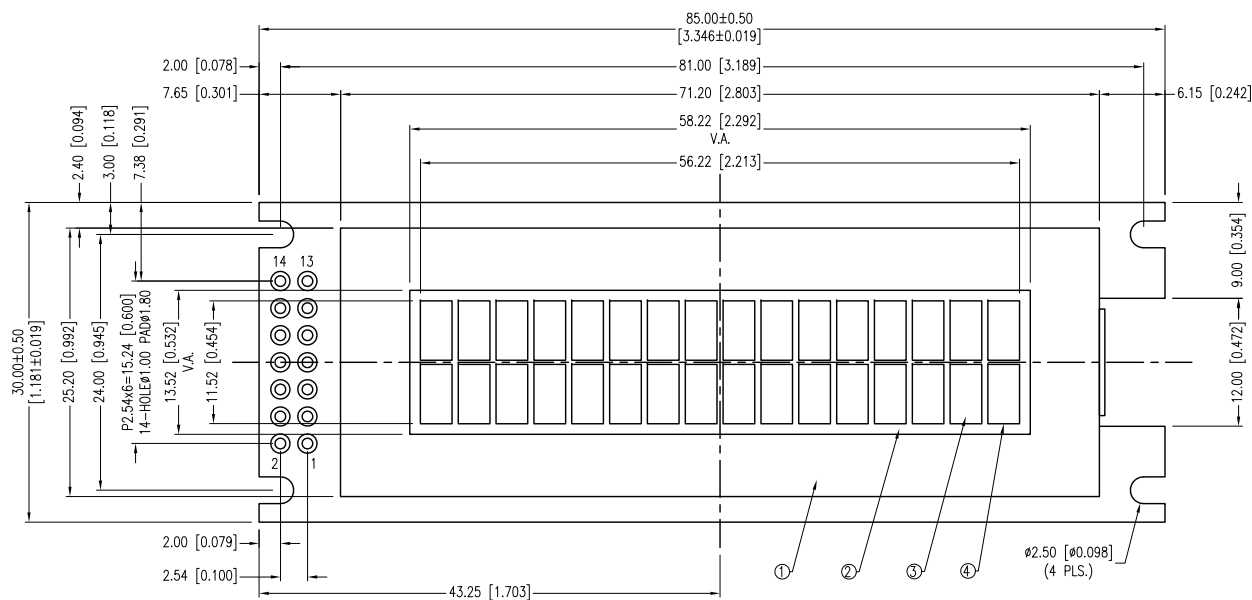
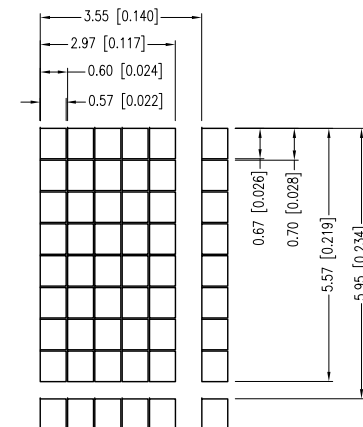


PRELIMINARY IN P/N DIR



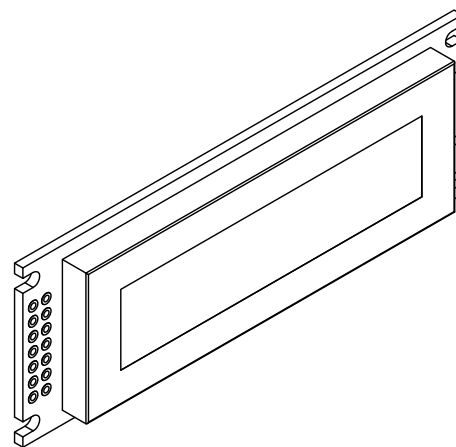
CHARACTER DETAIL



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

NOTES:

1. BLACK FRAME.
2. WHITE BACKGROUND REFLECTIVE.
3. BLACK POSITIVE CHARACTER.
4. MINIMUM VIEWING ANGLE OF 65 DEGREE FROM 12,3,6 & 9 O'CLOCK.
5. WISECHIP SEMI US2066 CONTROLLER.



*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 MAX.= +DECIMAL PRECISION -0.00

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5.7mm CHARACTER HEIGHT, 5x8 DOT MATRIX, OLED 16x2 LCD MODULE, WHITE, 1/16 DUTY, 1/5 BIAS, 3.3V, HIGH TEMP.

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

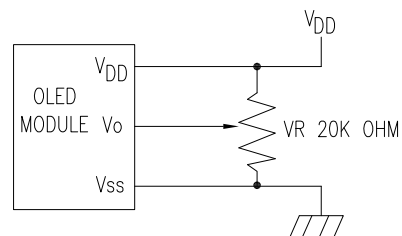
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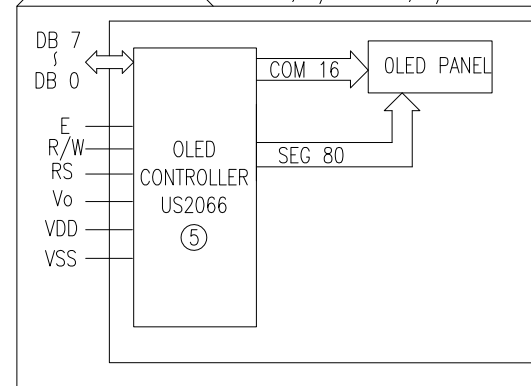
PRELIMINARY IN P/N DIR

PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	—	POWER SUPPLY
2	V _{DD}	—	
3	V _o	—	
4	RS	H/L	REGISTER SELECT
5	R/W	H/L	READ/WRITE
6	E	H,H→L	ENABLE SIGNAL
7-14	DB0-DB7	H/L	DATA BIT 0- DATA BIT 7



BLOCK DIAGRAM 16 x 2, 1/16 DUTY, 1/5 BIAS



ELECTRICAL CHARACTERISTICS

V_{DD}=3.3V, T_A=25°C

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	—	2.4	3.3	3.6	V
SUPPLY VOLTAGE FOR OLED	V _{CC} -Vss	—	11.5	12.0	12.5	V
INPUT VOLTAGE	HIGH LOW	V _{IH}	H level	0.8VDD	—	V _{DD}
		V _{IL}	L level	0	—	0.2VDD
OUTPUT VOLTAGE	HIGH LOW	V _{OH}	H level	0.9VDD	—	VDD
		V _{OL}	L level	0	—	0.1VDD
OLED MODULE VOLTAGE(RECOMMENDED)	V _o -Vss	T _a =25°C	9	10	11.5	V
OLED DRIVING CURRENT	I _{DD}	VDD=3.3V V _o -Vss=10V	—	50	80	mA

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	T _a =25°C	-0.3	5.5	V
SUPPLY VOLTAGE FOR OLED	V _{DD} -V _{CC}	T _a =25°C	-0.3	13	V
INPUT VOLTAGE	V _I	T _a =25°C	-0.3	V _{DD}	V
OPERATING TEMPERATURE*	T _{opr}	—	-40	70	°C
STORAGE TEMPERATURE	T _{stg}	—	-40	85	°C

*BACKGROUND COLOR CHANGES SLIGHTLY DEPENDING ON AMBIENT TEMPERATURE. THE CHANGE IS REVERSIBLE.

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