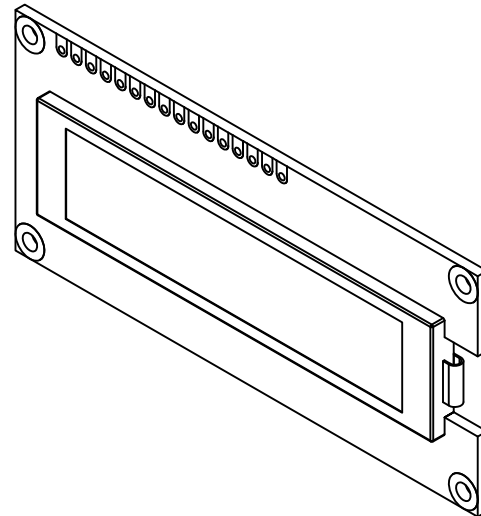
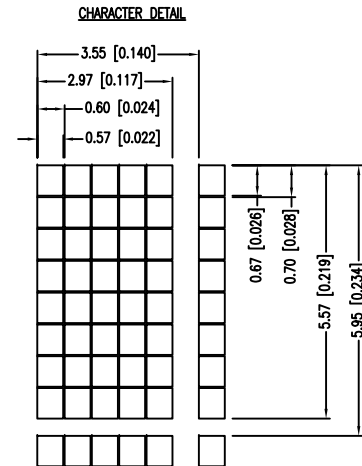
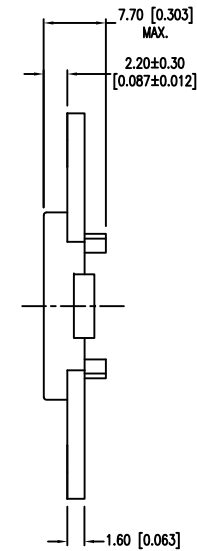
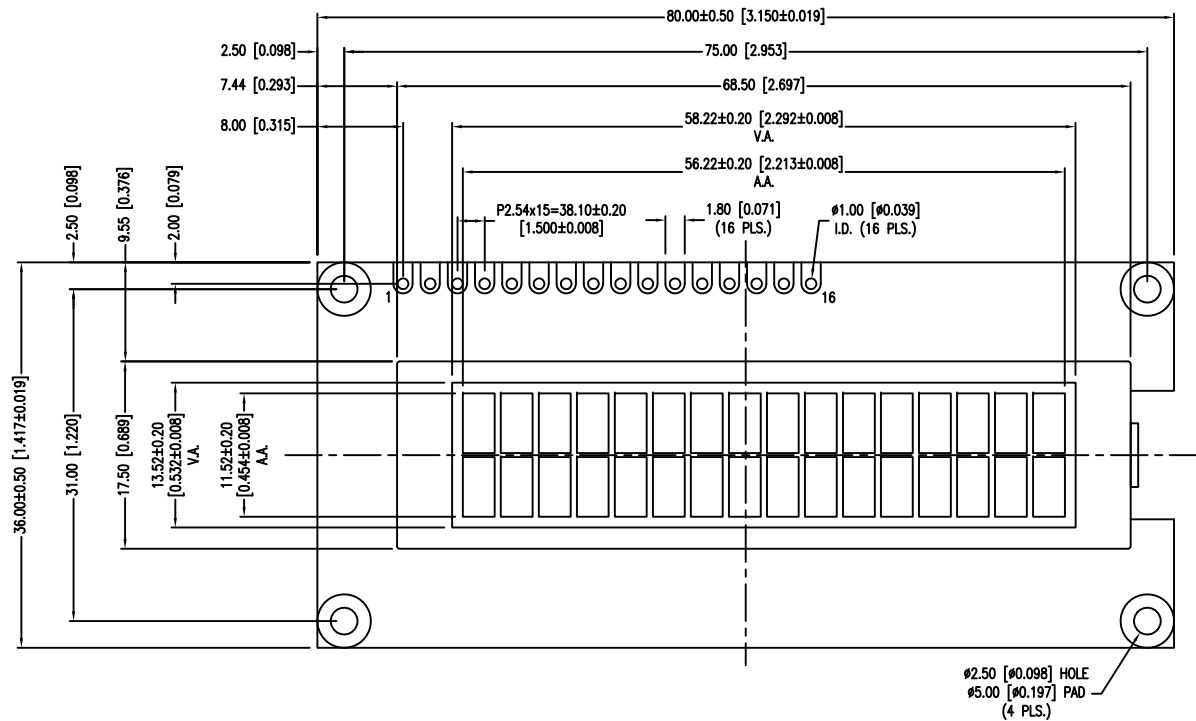




CAUTION: STATIC SENSITIVE DEVICE.
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

NOTES:

1. BLACK FRAME.
2. BLACK BACKGROUND.
3. PIXEL COLOR: YELLOW.
4. MINIMUM VIEWING ANGLE OF 65 DEGREE FROM 12,3,6 & 9 O'CLOCK.
5. WISECHIP SEMI US2066 CONTROLLER.

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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= ^{+DECIMAL PRECISION} -0.00 MAX.= ^{+0.00} -DECIMAL PRECISION

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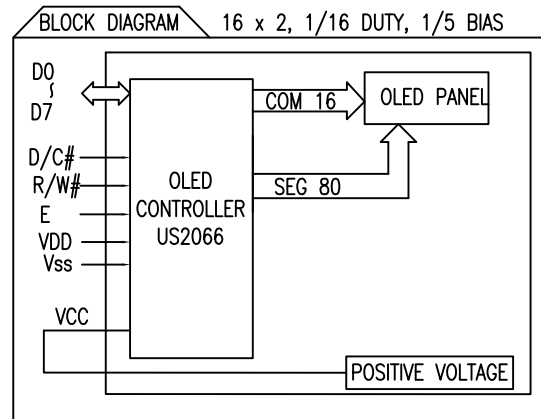
5.57mm CHARACTER HEIGHT, 5x8 DOT MATRIX, 16x2 OLED MODULE, YELLOW PIXELS, 5.0 v, HIGH TEMP.

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

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PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	DESCRIPTION
1	Vss	0V	SUPPLY VOLTAGE FOR LOGIC GROUND
2	V _{DD}	5.0V	SUPPLY VOLTAGE FOR LOGIC
3	NC	-	
4	RS	H/L	H:DATA, L: INSTRUCTION CODE
5	R/W	H/L	H:READ (MPU-->MODULE);L:WRITE(MPU-->MODULE)
6	E	H,H→L	CHIP ENABLE SIGNAL
7	DB0	H/L	DATA BIT 0
8	DB1	H/L	DATA BIT 1
9	DB2	H/L	DATA BIT 2
10	DB3	H/L	DATA BIT 3
11	DB4	H/L	DATA BIT 4
12	DB5	H/L	DATA BIT 5
13	DB6	H/L	DATA BIT 6
14	DB7	H/L	DATA BIT 7
15	Vcc	12.0V	SUPPLY VOLTAGE FOR PANEL(POSITIVE VOLTAGE OUTPUT)
16	NC	-	



ELECTRICAL/OPTO CHARACTERISTICS

V_{DD}=5V, T_A=25°C

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	-	4.7		5.3	V
SUPPLY VOLTAGE FOR PANEL	V _{CC} -V _{SS}	-	7.0	12.0	12.5	V
INPUT VOLTAGE	HIGH LOW	V _{IH}	0.8V _{DD}	-	V _{DD}	V
		V _{IL}	0	-	0.2V _{DD}	V
OUTPUT VOLTAGE	HIGH LOW	V _{OH}	0.9V _{DD}	-	V _{DD}	V
		V _{OL}	0	-	0.1V _{DD}	V
OLED DRIVING CURRENT	IDD	-	-	*50	-	mA
VIEW ANGLE				FREE		
DARK ROOM CONTRAST	-	-	-	>10000:1	-	-
C.I.E. (C.I.E. 1931)	X	-	0.46	0.5	0.54	-
	Y	-	0.45	0.49	0.53	-
RESPONSE TIME	-	-	-	-	30	ns
BRIGHTNESS W/POLARIZER	-	-	60	100	-	cd/m ²

*BRIGHTNESS=100cd/m², T_a=25°C, 60% RH, V_{DD}=5.0V, V_{CC}=12.0V, 100% DISPLAY AREA TURN ON.

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	T _a =25°C	2.4	5.5	V
SUPPLY VOLTAGE FOR PANEL	V _{CC} -V _{SS}	T _a =25°C	7	13	V
HUMIDITY			-	85	%
OPERATING TEMPERATURE*	T _{opr}	-	-40	80	°C
STORAGE TEMPERATURE	T _{stg}	-	-40	90	°C

OPERATING LIFE 50,000 HRS
END OF LIFE IS SPECIFIED AS 50 %OF INITIAL BRIGHTNESS*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

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5.57mm CHARACTER HEIGHT, 5x8 DOT MATRIX, OLED 16x2 LCD MODULE, YELLOW, 1/16 DUTY, 1/5 BIAS, 3.3V, HIGH TEMP.

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