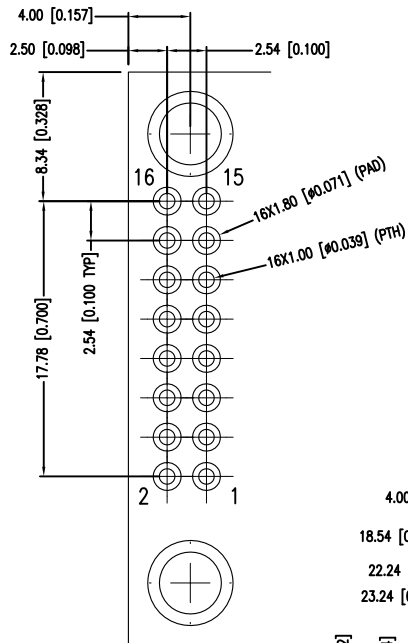
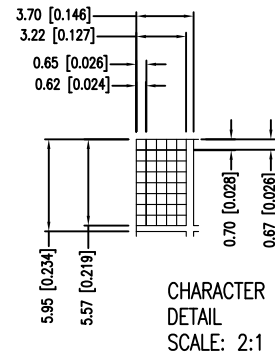
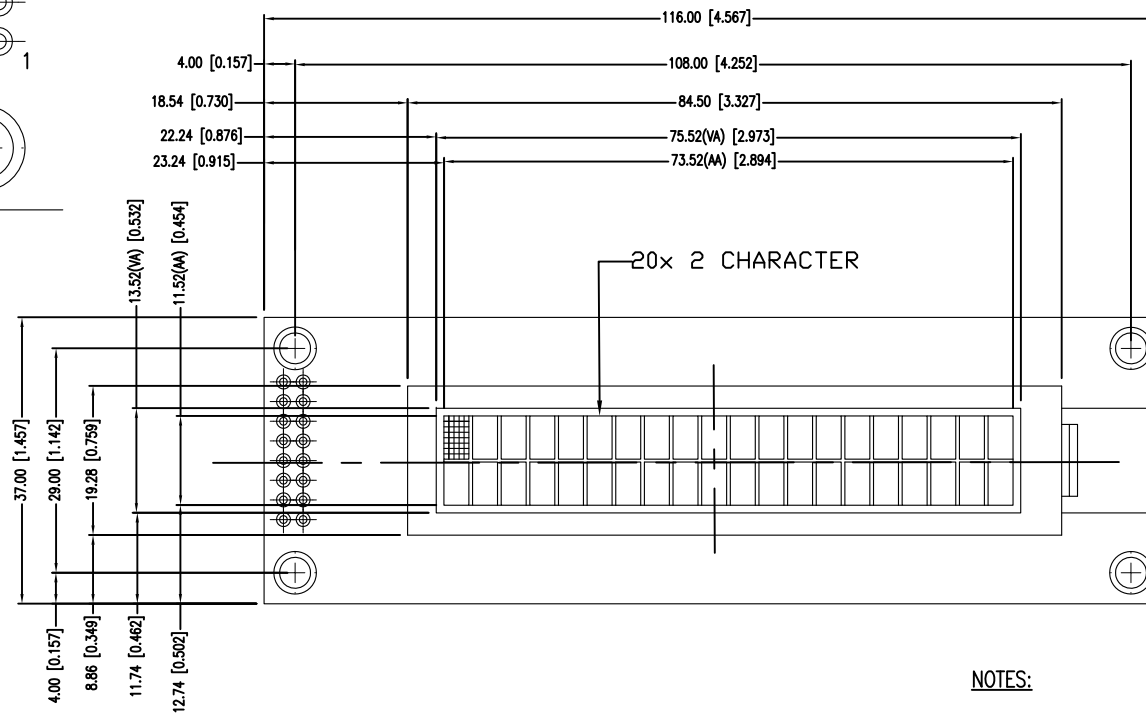
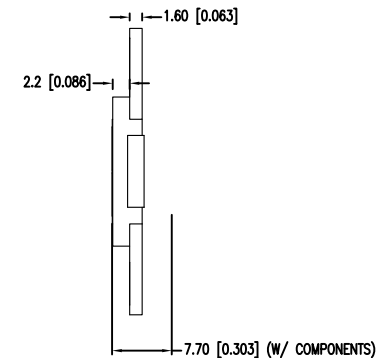


PIN DETAIL
SCALE: 2:1CHARACTER
DETAIL
SCALE: 2:1

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

NOTES:

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



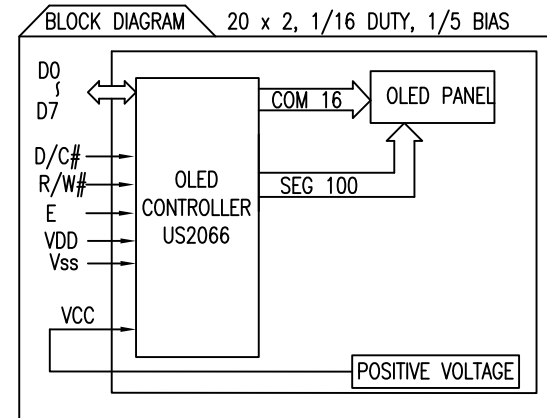
7.70 [0.303] (W/ COMPONENTS)

*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}

UNCONTROLLED DOCUMENT

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
CHARACTERISTICSV_{DD}=5V , T_A=25°C

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	—	4.7		5.3	V
SUPPLY VOLTAGE FOR PANEL	Vcc-Vss	—	11.5	12.0	12.5	V
INPUT VOLTAGE	HIGH LOW	V _{IH}	0.8VDD	—	V _{DD}	V
		V _{IL}	0	—	0.2VDD	V
OUTPUT VOLTAGE	HIGH LOW	V _{OH}	0.9VDD	—	VDD	V
		V _{OL}	0	—	0.1VDD	V
OLED DRIVING CURRENT	IDD	—	—	65	—	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	80	—	cd/m ²

*BRIGHTNESS=80cd/m² , T_a=25°C, 60% RH, VDD=5.0V, VCC=12.0V, 100% DISPLAY AREA TURN ON.

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	T _a =25°C	2.4	5.5	V
SUPPLY VOLTAGE FOR PANEL	Vcc-Vss	T _a =25°C	7	13	V
HUMIDITY			—	85	%
OPERATING TEMPERATURE*	Topr	—	-40	80	°C
STORAGE TEMPERATURE	Tstg	—	-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

UNCONTROLLED DOCUMENT



425 N. GARY AVE.
CAROL STREAM, IL 60188-4900
PHONE: +1.800.278.5666
FAX: +1.630.315.2152
WEB: WWW.itwecs.com

20 X 2 OLED DISPLAY, YELLOW CHARACTERS

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

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE: 03-12-2015	DRAWN BY: RU
PAGE: 1 OF 1	CHKD BY: --
SCALE: NTS	APRVD BY: --
UNIT: mm [INCH]	Ⓢ