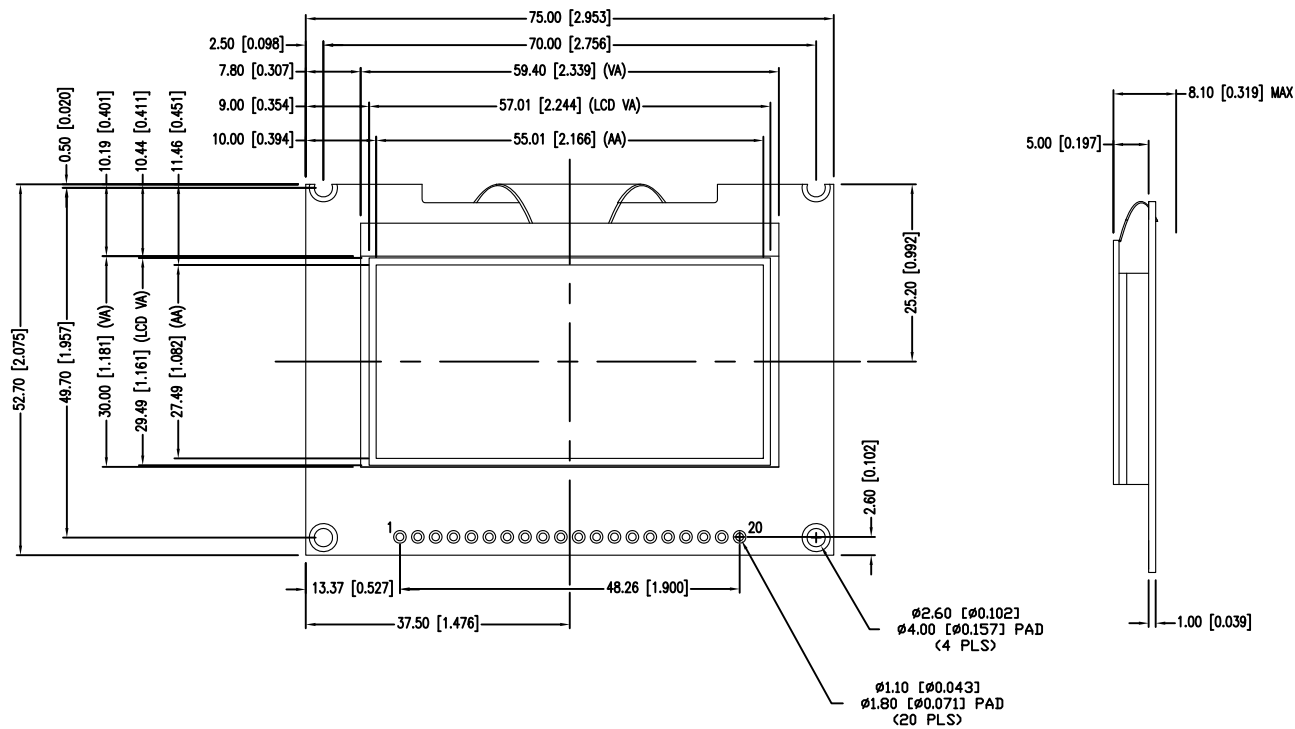


CHARACTER DETAIL
SCALE: 10:1



NOTES:

1. BLACK BACKGROUND.
2. PIXEL COLOR GREEN.
3. MINIMUM VIEWING ANGLE OF 65° FROM 12,3,6,9, 0'CLOCK.
4. WISECHIP SEMI US2066 CONTROLLER.

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

*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= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION MAX.= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION

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128 X 64 GRAPHIC OLED MODULE, 3.0V, GREEN PIXEL COLOR, W/ BLACK BACKGROUND

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

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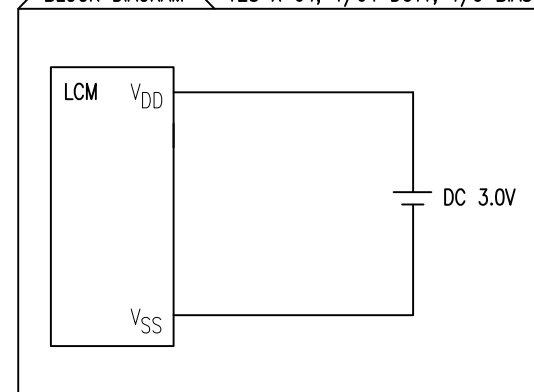
DATE:	05.22.15	DRAWN BY:	MJK
PAGE:	1 OF 2	CHKD BY:	--
SCALE:	NTS	APRVD BY:	--
UNIT:	mm [INCH]		Ⓟ

PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	DESCRIPTION
1	V _{DD}	3.0V	SUPPLY VOLTAGE FOR LOGIC
2	V _{SS}	0V	SUPPLY VOLTAGE FOR LOGIC GROUND
3	NC	—	—
4	DB0	H/L	DATA BIT 0
5	DB1	H/L	DATA BIT 1
6	DB2	H/L	DATA BIT 2
7	DB3	H/L	DATA BIT 3
8	DB4	H/L	DATA BIT 4
9	DB5	H/L	DATA BIT 5
10	DB6	H/L	DATA BIT 6
11	DB7	H/L	DATA BIT 7
12	CSI	2-0	CHIP SELECTION PIN
13	NC	—	NO CONNECTION
14	/RST	—	HARDWARE RESET PIN
15	R/W	H/L	H:READ (MPU-->MODULE);L:WRITE(MPU-->MODULE)
16	D/I	H/L	H: DATA, L: COMMAND
17	E	H,H >L	CHIP ENABLE SIGNAL
18	V _{CC}	13.0V	SUPPLY VOLTAGE FOR PANEL(POSITIVE VOLTAGE OUTPUT)
19	NC	—	—
20	NC	—	—

BLOCK DIAGRAM

128 X 64, 1/64 DUTY, 1/9 BIAS



ELECTRICAL/OPTO CHARACTERISTICS

V_{DD}=2.8V , V_{CC}=13.0V, 80cd/m², 50% PIXEL ON

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	—	2.8	3.0	3.3	V
SUPPLY VOLTAGE FOR PANEL	V _{CC} -V _{SS}	—	12.5	13.0	13.5	V
INPUT VOLTAGE	HIGH	V _{IH}	—	0.8V _{DD}	—	V _{DD}
	LOW	V _{IL}	—	0	—	0.2V _{DD}
OUTPUT VOLTAGE	HIGH	V _{OH}	—	0.9V _{DD}	—	V _{DD}
	LOW	V _{OL}	—	0	—	0.1V _{DD}
OLED DRIVING CURRENT	IDD	—	—	50	—	mA
VIEW ANGLE			160	—	—	deg
DARK ROOM CONTRAST	—	—	—	2000:1	—	—
BRIGHTNESS W/POLARIZER	—	—	60	80	—	cd/m ²

*BRIGHTNESS=80cd/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	2.8	3.3	V
SUPPLY VOLTAGE FOR PANEL	V _{CC} -V _{SS}	T _a =25°C	12.5	13.5	V
HUMIDITY			—	85	%
OPERATING TEMPERATURE*	T _{opr}	—	-40	70	°C
STORAGE TEMPERATURE	T _{stg}	—	-40	85	°C

OPERATING LIFE 40,000 HRS
END OF LIFE IS SPECIFIED AS 50 %OF INITIAL BRIGHTNESS

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