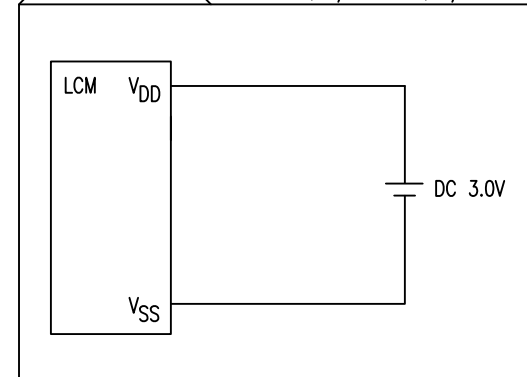


PIN CONFIGURATION

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}	V
	LOW	V _{IL}	0	-	0.2V _{DD}	V
OUTPUT VOLTAGE	HIGH	V _{OH}	0.9V _{DD}	-	V _{DD}	V
	LOW	V _{OL}	0	-	0.1V _{DD}	V
OLED DRIVING CURRENT	IDD	-	-	50	-	mA
VIEW ANGLE			160	-	-	deg
DARK ROOM CONTRAST			-	2000:1	-	-
BRIGHTNESS W/POLARIZER			60	80	-	cd/m ²

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	V _{DD}	T _a =25°C	-0.3	4.0	V
SUPPLY VOLTAGE FOR PANEL	V _{CC}	T _a =25°C	0	15	V
HUMIDITY			-	85	%
OPERATING TEMPERATURE*	Topr	-	-40	70	°C
STORAGE TEMPERATURE**	Tstg	-	-40	85	°C

*OPERATING LIFE 40,000 HRS
 END OF LIFE IS SPECIFIED AS 50 %OF INITIAL BRIGHTNESS
 **LONG TIME STORAGE ENVIRONMENT REQUIRED
 TEMPERATURE: 23±5°C
 HUMIDITY: 10±5% RH

*BRIGHTNESS=80cd/m² , T_a=25°C, 60% RH, V_{DD}=5.0V, V_{CC}=12.0V, 100% DISPLAY AREA TURN ON.

*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.= +0.00 -DECIMAL PRECISION



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128 X64 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: 10.18.17	DRAWN BY: C.C.
PAGE: 2 OF 2	CHKD BY: G.Y.
SCALE: NTS	APRVD BY: E.C.
UNIT: mm [INCH]	(Pb)