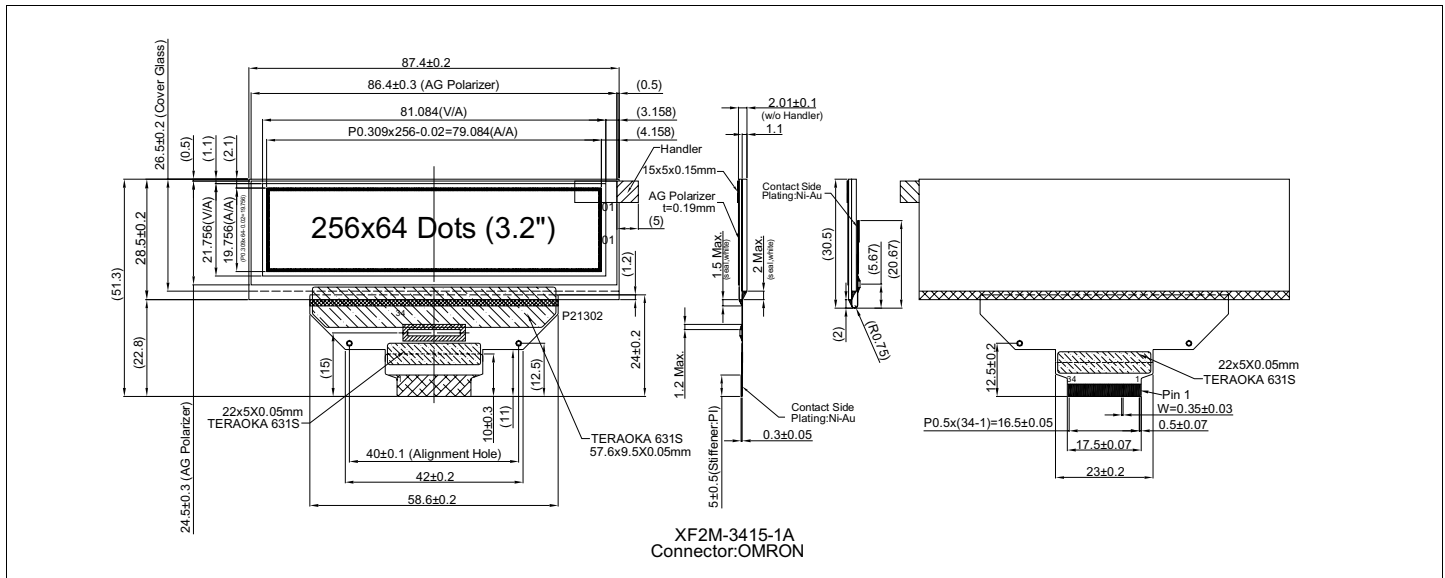




Features

Viewing Angle.....Wide (160 degrees)
 High Contrast.....2000:1
 Fast Response Time.....10 usec
 Built-in DC-DC Converter
 Built-in Controller.....SSD1322

Physical Data

Module Size.....87.4W x 51.3H x 2.01T mm
 Viewing Area Size.....81.084W x 21.756H mm
 Dot Pitch.....0.309W x 0.309H mm
 Dot Size.....0.289W x 0.289H mm
 Weight.....11.03g

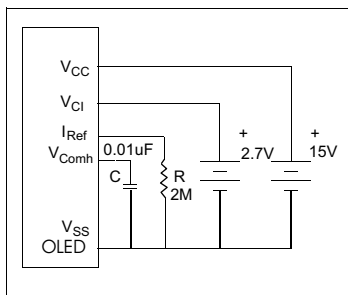
Electrical Characteristics (VCC=15 V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{CI}	-	2.4	2.8	3.5	V
OPERATING VOLTAGE	VCC	-	14	14.5	15	V
INPUT HIGH VOLTAGE	V _{IH}	-	0.8*V _{CI}	-	V _{CI}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.2V _{CC}	V
OPERATING CURRENT	I _{CC}	All pixels on	-	42	44	mA
OPERATING CURRENT	I _{CI}	All pixels on	-	220	-	uA
POWER CONSUMPTION	P _D	All pixels on	-	609	638	mW
BRIGHTNESS	L	Average	80	90	-	cd/m ²
DRIVE METHOD		1/64 Duty				

Pin Connections

PIN NO.	SYMBOL	FUNCTION
1	N/C	No Connection
2	VSS	Ground Pin
3	N/C	No Connection
4	VCC	Power Supply for OLED driver
5	VCOMH	COM Deselected Voltage Level
6	VLSS	Analog Ground Pin
7	MS	Select Chip- connect to VDDIO
8	D7	Bi-directional data bus
9	D6	Bi-directional data bus
10	D5	Bi-directional data bus
11	D4	Bi-directional data bus
12	D3	Bi-directional data bus
13	D2	Bi-directional data bus
14	D1	Bi-directional data bus
15	D0	Bi-directional data bus
16	E/RD#	Read data input
17	R/W#	Write data input
18	Bs0	MCU interface selection input
19	Bs1	MCU interface selection input
20	D/C#	Data-command control input
21	CS#	Chip select input
22	RES#	Hardware reset input
23	DOF#	No Connect
24	CL	External Clock Input
25	FR	No Connect
26	IREF	Reference input (connect recom. Res. R)
27	VDDIO	Power Supply for interface logic
28	VDD	Power Supply for internal logic
29	VCI	Power Supply Input
30	VSL	Power Supply for OLED
31	VLSS	Segment Reference Voltage
32	N/C	No Connection
33	VCC	Power Supply for logic
34	N/C	No Connection

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{CI}	-0.3	4.0	V
SUPPLY VOLTAGE	VCC	10	21	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{DD} + 0.3	V
OPERATING TEMPERATURE	T _{OP}	-40	70	°C
STORAGE TEMPERATURE	T _{STG}	-40	85	°C
LIFE TIME 80/100 cd/m		30/24K		HrsT

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