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Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NG19264BN001ER

Version	A
Engineer	
Date	06/16/23

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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Precautions in use of LCD Modules

(1)Avoid applying excessive shocks to the module or making any alterations or modifications to it.

(2)Don’t make extra holes on the printed circuit board, modify its shape or change the components of LCD module.

(3)Don’t disassemble the LCM.

(4)Don’t operate it above the absolute maximum rating.

(5)Don’t drop, bend or twist LCM.

(6)Soldering: only to the I/O terminals.

(7)Storage: please storage in anti-static electricity container and clean environment.

(8) NV has the right to change the passive components, including R3,R6 & backlight adjust resistors. (Resistors,capacitors and other passive components will have different appearance and color caused by the different supplier.)

(9) NV has the right to change the PCB Rev. (In order to satisfy the supplying stability, management optimization and the best product performance...etc, under the premise of not affecting the electrical characteristics and external dimensions, NV have the right to modify the version.)

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General Specifications

ITEM	STANDARD VALUE	UNIT
Dot Matrix	192 x 64 Dots	--
Display Connector	Pin Header, 20 pins	--
Operating Temperature	-20 ~ +70	℃
Storage Temperature	-30 ~ +80	℃
Touch Panel Optional	N/A	--
Font Chip Optional	N/A	--

Mechanical Specification

ITEM	**STANDARD VALUE**	**UNIT**
Outline Dimension	100.0(W) × 60.0(H) × 12.0(T) (MAX)	mm
Visual Area	83.9(W) × 30.8(H)	mm
Active Area	78.67(W) × 26.19(H)	mm
Dot Size	0.36x0.36	mm
Dot Pitch	0.41x0.41	mm
Net Weight	74.0 ± 15% grams (typical)	g

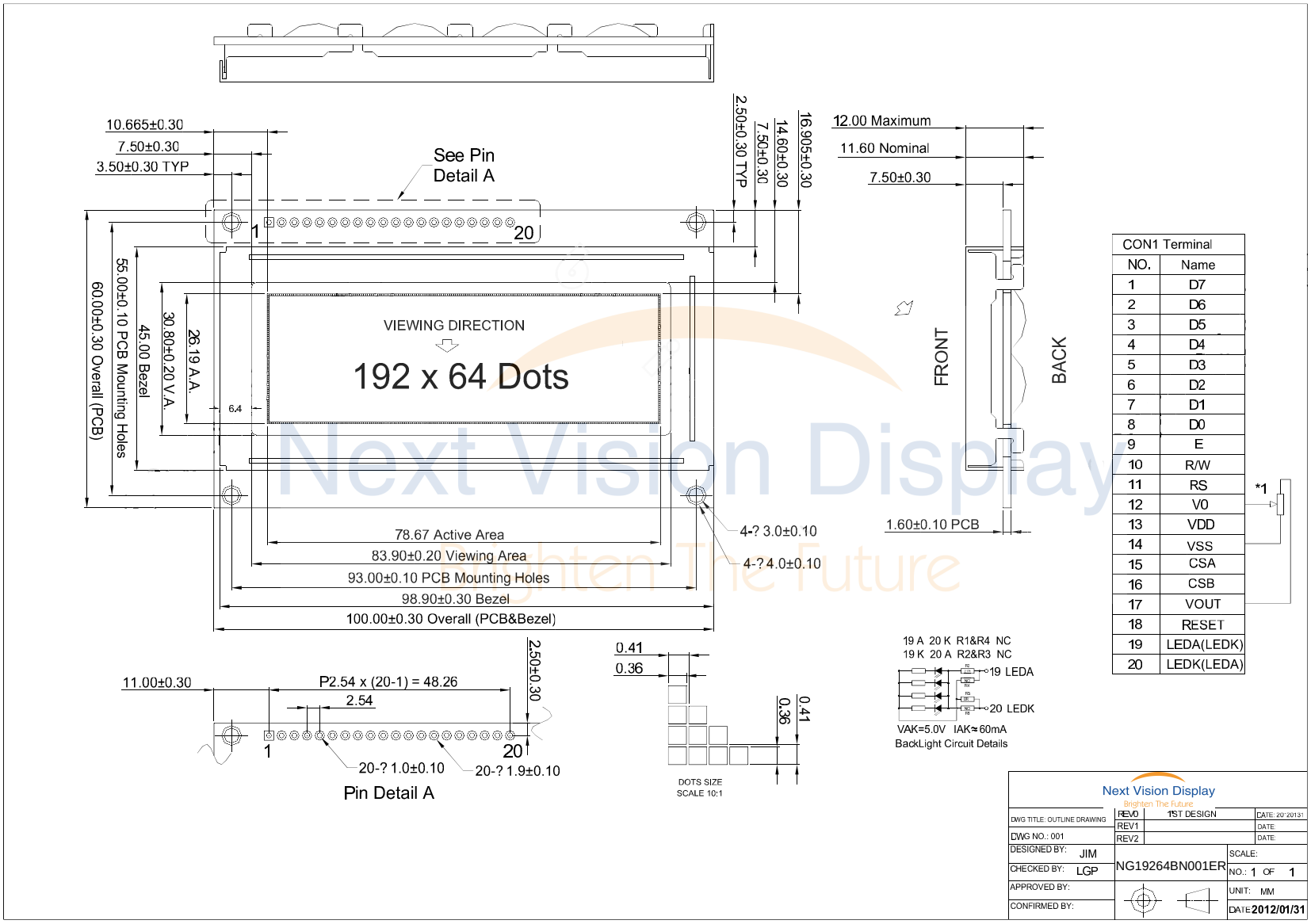
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Electrical Specification

ITEM	**STANDARD VALUE**	**UNIT**
IC Package	COB	--
Controller	S6A0107 or Equivalent	--
Interface	6800 8-bit Parallel	--

Optical Specification

ITEM	**STANDARD VALUE**	**UNIT**
LCD Type	STN NEGATIVE, BLUE	--
Backlight Color	LED WHITE	--
Viewing Direction	12:00	Clock
LCD Duty	1/64	Duty
LCD Bias	1/9	Bias



CON1 Terminal	
NO.	Name
1	D7
2	D6
3	D5
4	D4
5	D3
6	D2
7	D1
8	D0
9	E
10	R/W
11	RS
12	V0
13	VDD
14	VSS
15	CSA
16	CSB
17	VOUT
18	RESET
19	LEDA(LEDK)
20	LEDK(LEDA)

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DWG TITLE: OUTLINE DRAWING	REV0	1ST DESIGN	DATE: 20/20131
DWG NO.: 001	REV1		DATE:
DESIGNED BY: JIM	REV2		DATE:
CHECKED BY: LGP	NG19264BN001ER		SCALE: NO.: 1 OF 1
APPROVED BY:			UNIT: MM
CONFIRMED BY:			DATE: 2012/01/31

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Absolute Maximum Ratings

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Power Supply for Logic	VDD-VSS	-0.3	-	+7.0	V
Power Supply for LCD	VEE	VDD-19	-	VDD+0.3	V
Input Voltage	VIN	-0.3	-	VDD+0.3	V
Supply Current for Backlight	ILED	-	80	-	mA

Electrical Characteristics

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Power Supply for LCM	VDD-VSS	-	4.8	5.0	5.2	V
Input Voltage	VIL	L Level	0	-	0.8	V
	VIH	H Level	2	-	VDD	V
LCD Driving Voltage	VDD-V0	-	12.8	13.0	13.2	V
Supply Current for LCM	IDD	VDD=5.0V	-	-	7	mA

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