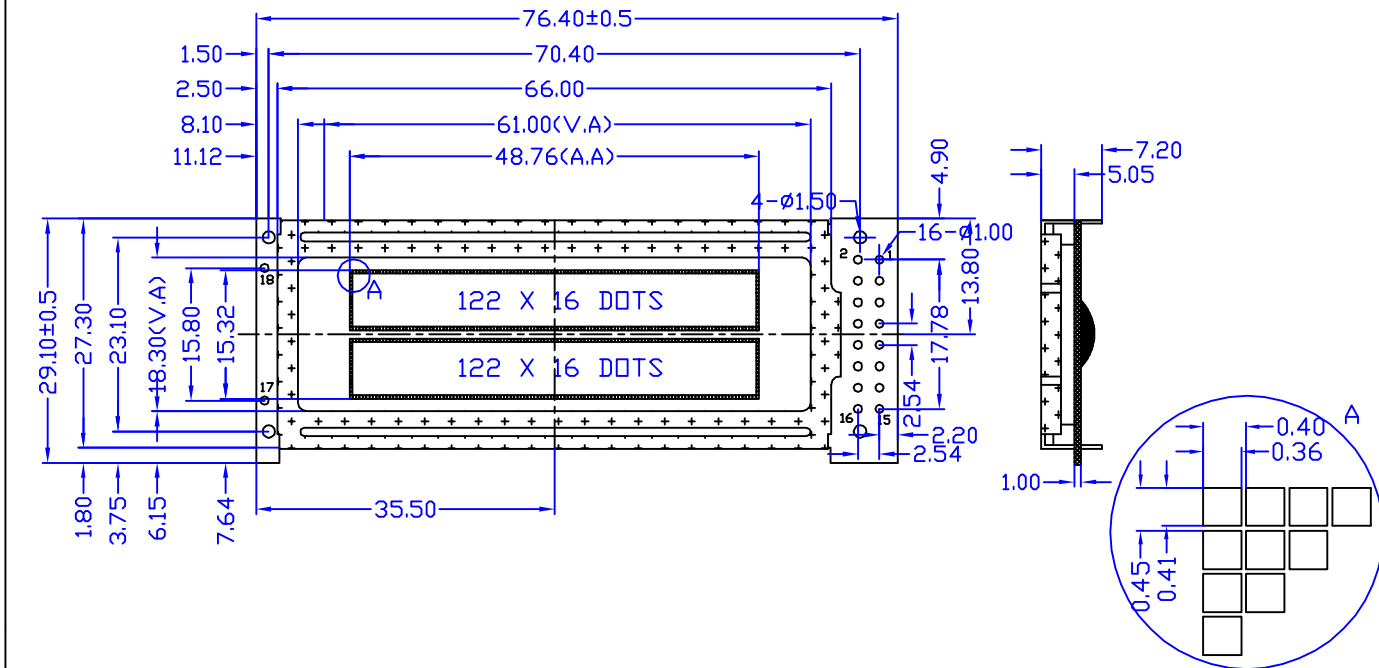


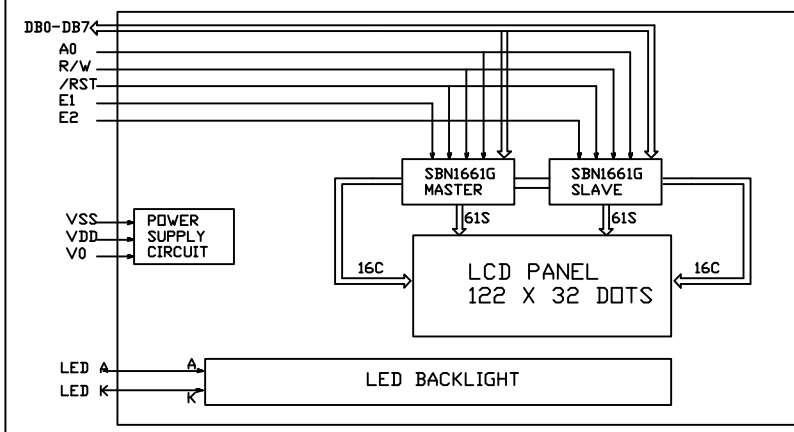
CUSTOMER'S APPROVED:

DATE:

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1.	06/06/18	Qing	NEW RELEASE



### Block Diagram



### Feature

1. BUILT IN CONTROLLER: SBN1661G
2. POWER SUPPLY: 5.0V
3. LCD TYPE: BLUE STN, TRANSMISSIVE
4. BACKLIGHT: LED SIDE BACKLIGHT
5. COLOUR OF BACKLIGHT: WHITE
6. 1/32 DUTY CYCLE, 1/7 BIAS
7. VIEWING ANGLE: 6 O'CLOCK
8. TEMPERATURE RANGE: EXTENDED (-20--70)
9. LOW CONSUMPTION, LOW VOLTAGE, HIGH CONTRAST

### Mechanical Data

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	76.4W x 29.1H x 7.2T	MM
VIEWING AREA	61.0W x 18.3H	MM
DOT NUMBER	122 x 32	DOTS
DOT SIZE	0.36W x 0.41H	MM
DOT PITCH	0.40W x 0.45H	MM

### Pin Assignment

NO.	SYMBOL	DESCRIPTION
1	VDD	POWER SUPPLY FOR LOGIC AND LCD
2	VSS	GROUND
3	VR	OPERATING VOLTAGE FOR LCD
4	/RST	RESET SIGNAL (LOW EFFECTIVE)
5	E1	READ/WRITE ENABLE SIGNAL (MASTER)
6	E2	READ/WRITE ENABLE SIGNAL (SLAVE)
7	R/W	READ/WRITE SELECT
8	A0	DATA/INSTRUCTION SELECT
9--16	DB0--DB7	DATA BUS
17	A	LED BACKLIGHT POWER SUPPLY (+)
18	K	LED BACKLIGHT POWER SUPPLY (-)

### Absolute Maximum Rating

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	VDD-VSS	0	6.5	V
POWER SUPPLY (LCD DRV.)	VDD-V0	0	13.0	V
INPUT VOLTAGE	VI	VI	VDD	V

### Electrical Characteristics

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	12.0	-	mA
LCD OPERATING VOLTAGE	VDD-V0	10C	5.3	-	V
		25C	4.8	-	V
		40C	4.3	-	V
INPUT VOLTAGE	H	0.7VDD	-	VDD	V
	L	0	-	0.3VDD	V

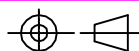
DESCRIPTION: C/D Distar Technology Limited

GENERAL TOL: ±0.2

www.distarltd.com

Drw WXR

DO NOT SCALE THIS DRAWING.



Unit:mm

Chk  
Apv

DS-G12232C-BTSSWE-NAA