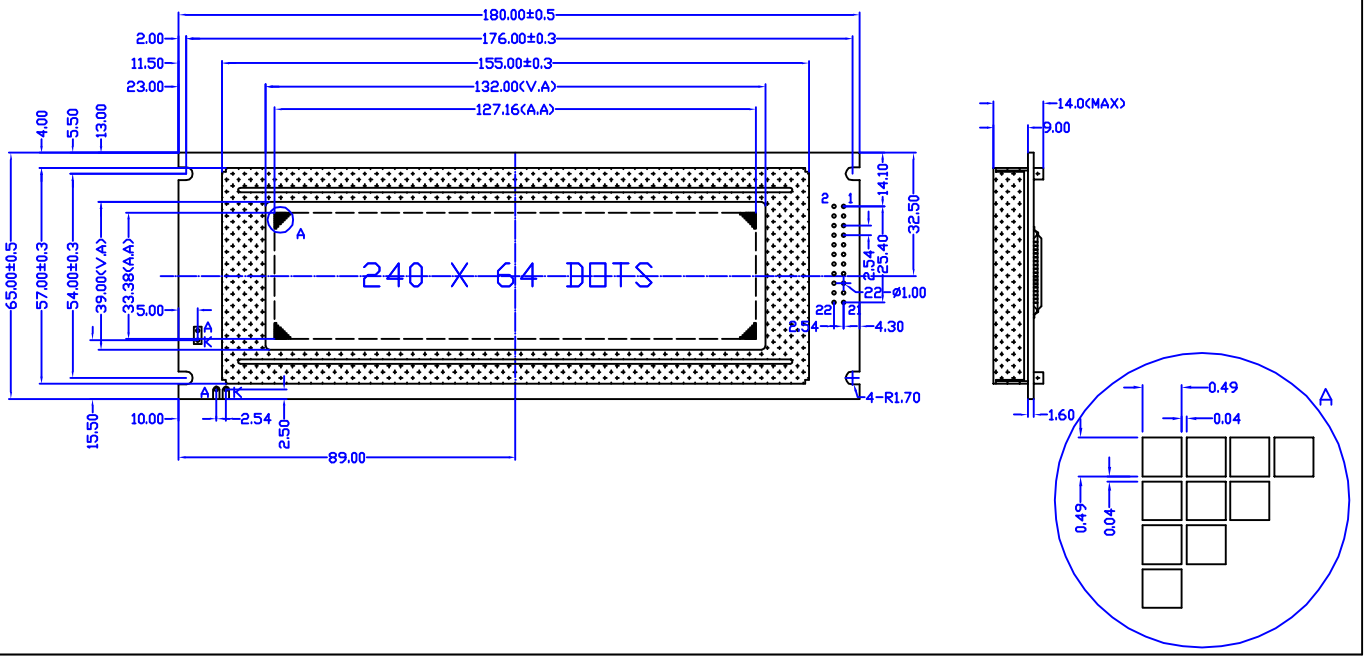
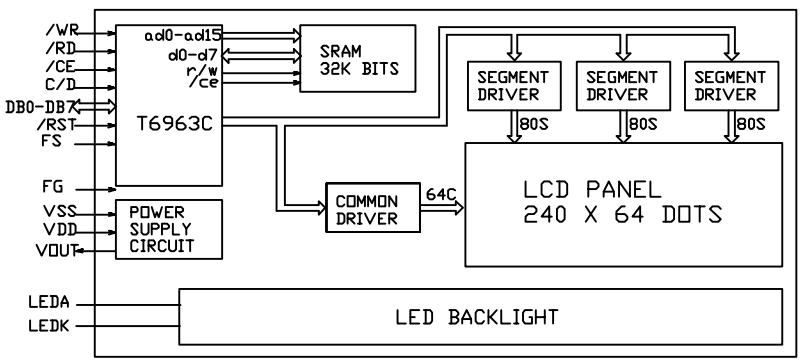
CUSTOMER'S APPROVED: | DATE:

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



Block Diagram



Feature

1. BUILT IN CONTROLLER: T6963C OR EQUIVALENT
2. POWER SUPPLY: 5.0V
3. LCD TYPE: BLUE STN,TRANSMISSIVE
4. BACKLIGHT: LED SIDE BACKLIGHT
5. COLOUR OF BACKLIGHT: WHITE
6. 1/64 DUTY CYCLE,1/9 BIAS
7. VIEWING ANGLE: 6 O'CLOCK
8. TEMPERATURE RANGE: EXTENDEDL(−20−−70)
9. LOW CONSUMPTION,LOW VOLTAGE,HIGH CONTRAST

Mechanical Data

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	180.0W × 65.0H × 14.0T	MM
VIEWING AREA	132.0W × 39.0H	MM
DOT NUMBER	240 × 64	DOTS
DOT SIZE	0.49W × 0.49H	MM
DOT PITCH	0.53W × 0.53H	MM

Pin Assignment

NO.	SYSBOL	DESCRIPTION
1	FG	FRAME GROUND
2	VSS	GROUND
3	VDD	POWER SUPPLY FOR LOGIC AND LCD
4	V0	OPERATING VOLTAGE FOR LCD
5	/WR	DATA WRITE
6	/RD	DATA READ
7	/CE	CHIP ENABLE FOR T6963C
8	C/D	COMMAND/DATA SELECTION
9	NC	NO CONNECTION
10	/RST	RESET T6963C (LOW EFFECTIVE)
11--18	DB0--DB7	DATA BUS
19	FS	FONT SELECTION (L:8X8, H:6X8)
20	VOUT	NEGATIVE VOLTAGE INPUT/OUTPUT
21	LEDA	LED BACKLIGHT POWER SUPPLY(+)
22	LEDK	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	30.0	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	0C	VDD-V0	−	12.8	−	V
	25C		−	12.2	−	V
	40C		−	11.6	−	V
INPUT VOLTAGE	H	ViH	0.7VDD	−	VDD	V
	L	ViL	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-G24064B-BTSSWE-YAA