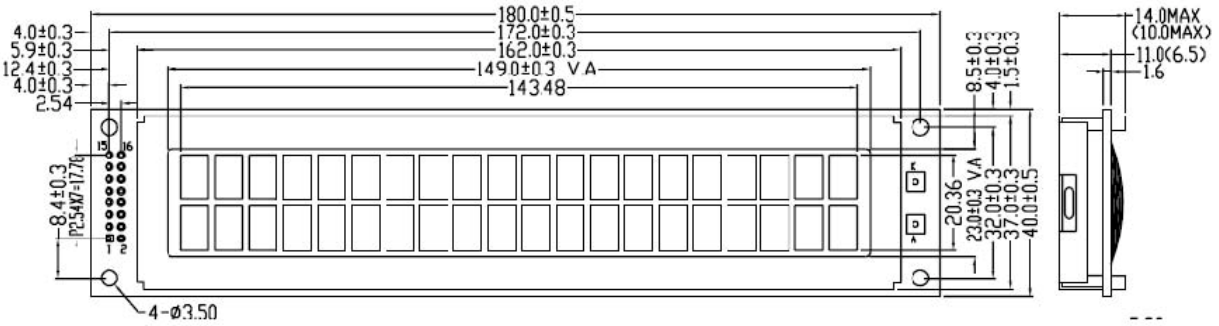
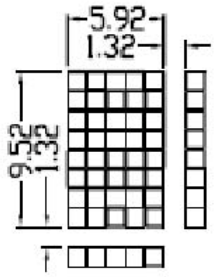
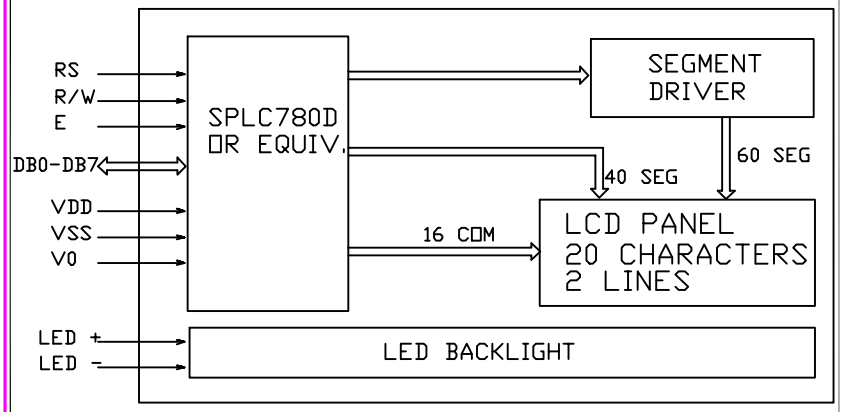
CUSTOMER'S APPROVED: DATE:

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





Block Diagram



Feature

1. BUILT IN CONTROLLER: SPLC780D
2. POWER SUPPLY: 5.0V
3. LCD TYPE: Y-G STN,TRANSFLECTIVE
4. BACKLIGHT: LED BOTTOM BACKLIGHT
5. COLOUR OF BACKLIGHT: Y-G
6. 5X8 DOTS WITH CURSOR
7. VIEWING ANGLE: 6 O'CIOCK
8. TEMP RANGE: Top: -10--60C; Tst: -20--70C
9. LOW CONSUMPTION,LOW VOLTAGE,HIGH CONTRAST

Mechanical Data

ITEM	SPECIFICATION	UN
OVERALL SIZE	180.0W x 40.0H x 14.0T	MM
VIEWING AREA	149.0W x 23.0H	MM
DOT NUMBER	20 CHARACTERS X 2 LINES	DOTS
DOT SIZE	5.92W x 9.52H	MM
DOT PITCH	7.24W x 10.84H	MM

Pin Assignment

NO.	SYSBOL	DESCRIPTION
1	K	LED BACKLIGHT POWER SUPPLY(0V)
2	A	LED BACKLIGHT POWER SUPPLY(5.0V)
3	VSS	GROUND FOR LOGIC (0V)
4	VDD	POWER SUPPLY FOR LOGIC (5.0V)
5	V0	OPERATING VOLTAGE FOR LCD(4.7V)
6	RS	DATA/INSTRUCTION SELECT
7	R/W	READ/WRITE CONTROL
8	E	ENABLE SIGNAL
9--16	DB0--DB7	DATA BUS

Absolute Maximum Rating

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD	-0.3	7.0	V
INPUT VOLTAGE	VIN	-0.3	VDD+0.3	V

Electrical Characteristics

ITEM		SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC		VDD-VSS	4.5	5.0	5.5	V
SUPPLY CURRENT		IDD	-	2.0	3.0	mA
LCD OPERATING VOLTAGE	0C	VDD-V0	-	5.0	-	V
	25C		-	4.8	-	V
	40C		-	4.6	-	V
INPUT VOLTAGE	H	ViH	0.7VDD	-	VDD	V
	L	ViL	0		0.3VDD	V

DS-C2002C-YFSDYN-NAA

DESCRIPTION: C/D	Distar Technology Limited	
GENERAL TOL: ±0.2	www.distarltd.com	Drw WXR
DO NOT SCALE THIS DRAWING.	Unit:mm	Chk
		Apv