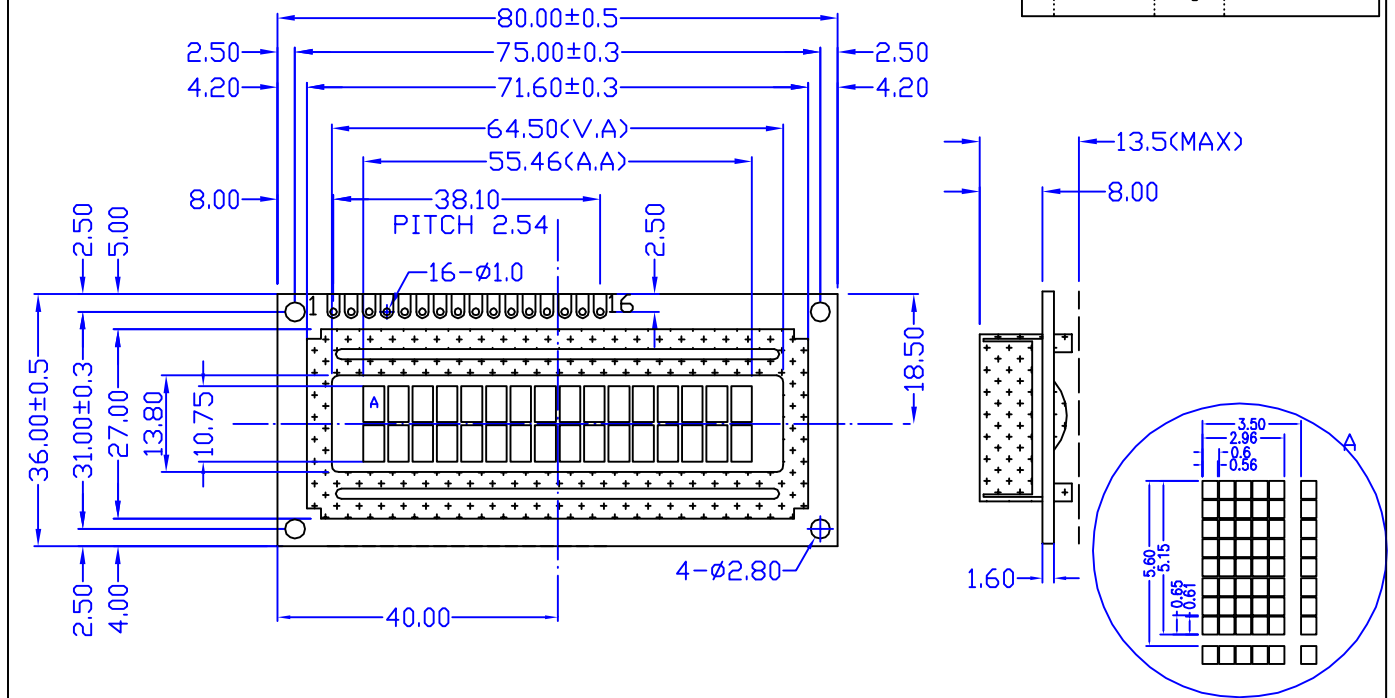


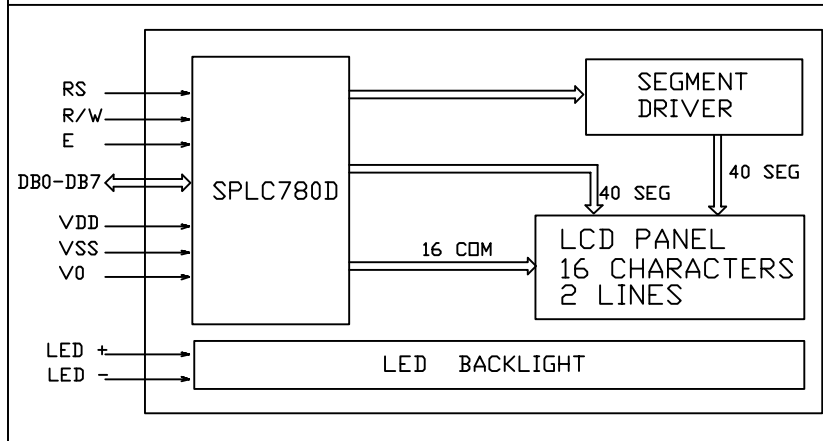
CUSTOMER'S APPROVED:

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: BLUE STN, TRANSMISSIVE
4. BACKLIGHT: LED SIDE BACKLIGHT
5. COLOUR OF BACKLIGHT: WHITE
6. 5X8 DOTS WITH CURSOR
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	80.0W x 36.0H x 13.5T	MM
VIEWING AREA	64.5W x 13.8H	MM
DOT NUMBER	16 CHARACTERS X 2 LINES	DOTS
DOT SIZE	2.96W x 5.15H	MM
DOT PITCH	3.50W x 5.60H	MM

### Pin Assignment

NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	RS	DATA/INSTRUCTION SELECT
5	R/W	READ/WRITE CONTROL
6	E	ENABLE SIGNAL
7--14	DB0--DB7	DATA BUS
15	A	LED BACKLIGHT POWER SUPPLY(+)
16	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	18.0	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	-	1.0	2.2	mA
LCD OPERATING VOLTAGE	0C	-	5.0	-	V
	25C	-	4.7	-	V
	40C	-	4.4	-	V
INPUT VOLTAGE	H	VIH	0.7VDD	-	VDD
	L	VIL	0	0.3VDD	V

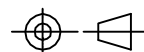
DESCRIPTION: C/D Distarltd Technology Limited

GENERAL TOL: ±0.2

[www.distarltd.com](http://www.distarltd.com)

Drw WXR

DO NOT SCALE THIS DRAWING.



Unit:mm

Chk  
Apv

DS-C1602F-BTSSWE-NAA