

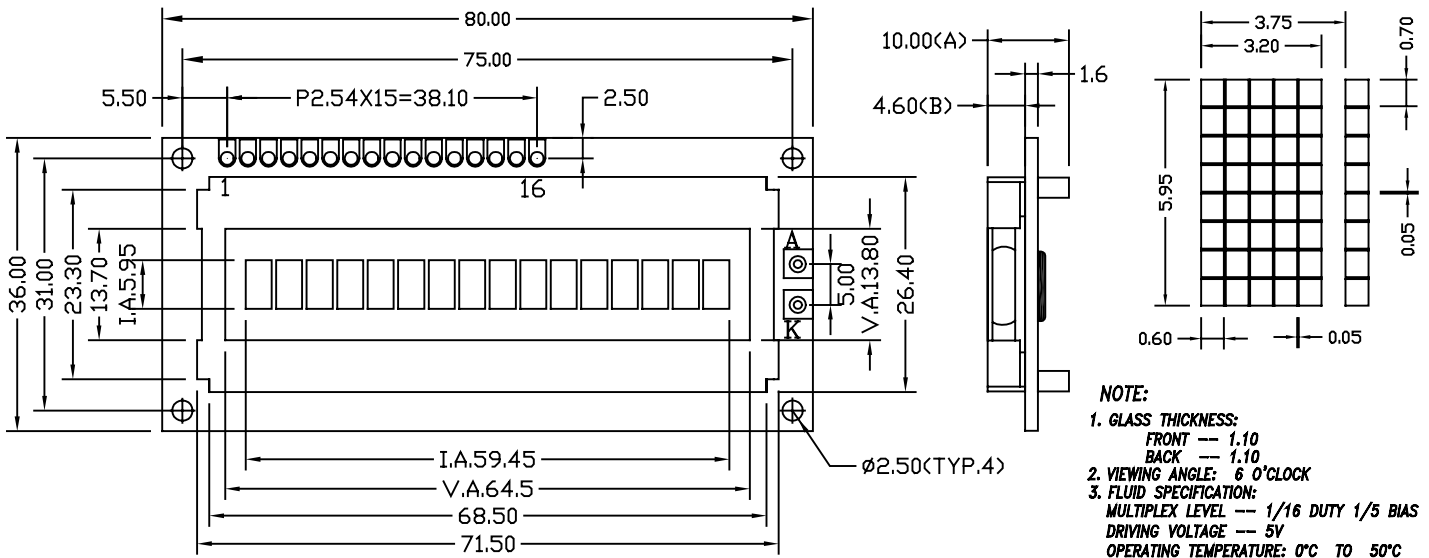


ITM-1601ASTL

INTECH LCD (SHEN ZHEN) CO.,LTD

VER	A0	FILE NO	IT-III-ED-004
REV.NO	01	SHEET	OF
DATE	99-10-29		

① EXTERNAL DIMENSION



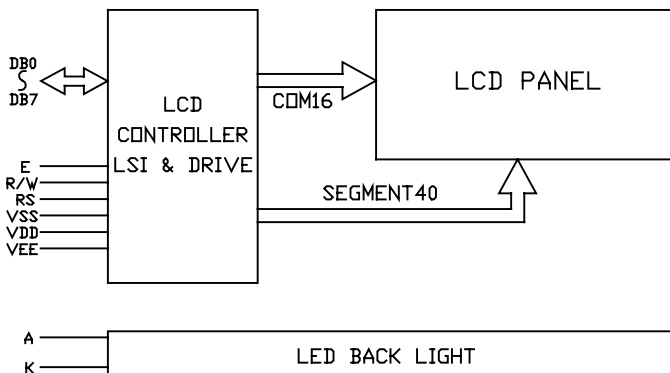
	A	B
LED B/L	14.00mm	9.80mm
WITHOUT B/L	10.00mm	4.60mm

- NOTE:**
- GLASS THICKNESS:
FRONT -- 1.10
BACK -- 1.10
 - VIEWING ANGLE: 6 0'CLOCK
 - FLUID SPECIFICATION:
MULTIPLEX LEVEL -- 1/16 DUTY 1/5 BIAS
DRIVING VOLTAGE -- 5V
OPERATING TEMPERATURE: 0°C TO 50°C
STORAGE TEMPERATURE: -20°C TO 70°C
 - CONNECTOR: ZEBRA
 5. STM YELLOW-GREEN MODE
 - TRANSFLECTIVE

② MECHANICAL DATA

ITEM	SPECIFICATION	UNIT
Module Size (W X H X T)	80.0 X 36.0 X 10.0	mm
Viewing Area (W X H)	64.5 X 13.8	mm
Internal Area (W X H)	59.45 X 5.95	mm
Dot Pitch (W X H)	0.65 X 0.75	mm
Dot Size (W X H)	0.6 X 0.7	mm
Character Pith (W X H)	3.75 X 5.95	mm
Character Size (W X H)	3.20 X 5.95	mm
Number of Character	16 Character x 1 Line	Char

④ BLOCK DIAGRAM



③ PIN CONFIGURATION

ITEM	SYMBOL	LEVEL	DESCRIPTION
1	VSS	L	Power GND
2	VDD	H	Power Positive
3	VEE	L	Voltage For LCD Panel Drive
4	RS	H/L	Register Select
5	R/W	H/L	Read/Write Select
6	E	H/L	Read/Write Enable
7	DB0	H/L	Data Bus
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	A	H	LED BACKLIGHT +
16	K	L	LED BACKLIGHT -

⑤ ABSOLUTE MAXIMUM RATINGS(25°C)

PARAMETER	SYMBOL	MIN.	MAX.	UNIT
Supply Voltage Logic	V _{DD}	-0.3	+7.0	V
Supply Voltage Driver	V _{LCD}	V _{DD} -15.0	V _{DD} +0.3	V
Input Voltage	V _{IN}	-0.3	V _{DD} +0.3	V