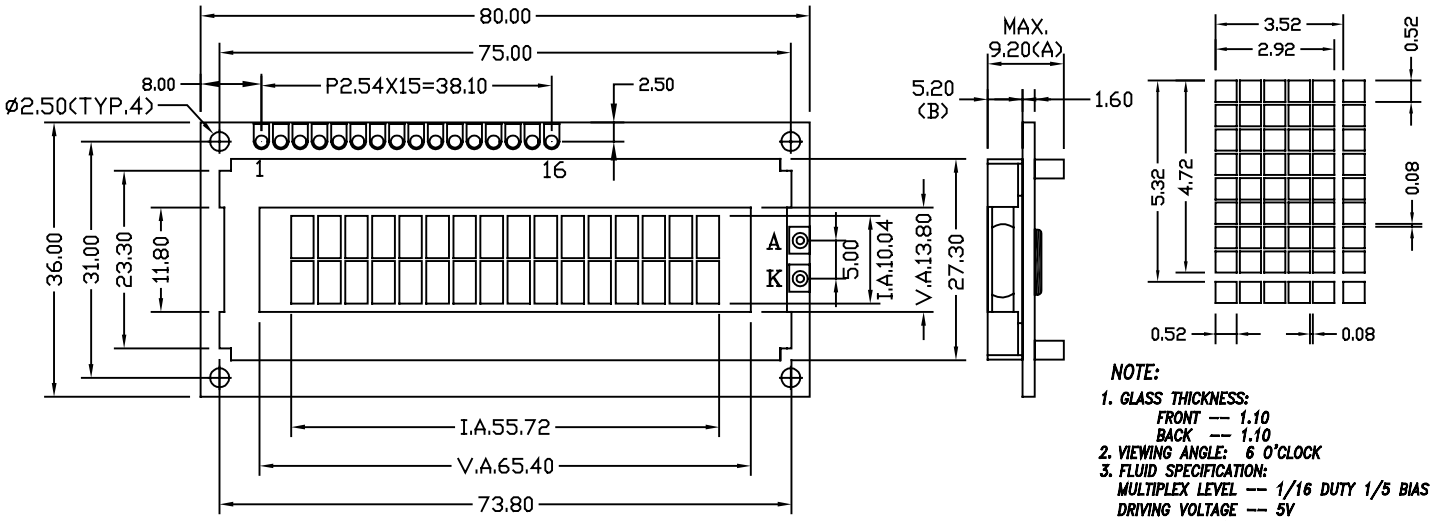
LCD GROUP

ITM-1602ASTL

INTECH LCD (SHEN ZHEN) CO.,LTD			
VER	A0	FILE NO	IT-III-ED-004
REV.NO	01	SHEET	OF
DATE	24.FEB.2000		

① EXTERNAL DIMENSION



	A	B
LED B/L	14.00mm	10.00mm
WITHOUT B/L	9.20mm	5.20mm

NOTE:

1. GLASS THICKNESS:
   FRONT -- 1.10
   BACK -- 1.10
2. VIEWING ANGLE: 6 O'CLOCK
3. 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
4. CONNECTOR: ZEBRA
5. STN YELLOW-GREEN MODE
6. TRANSFLECTIVE

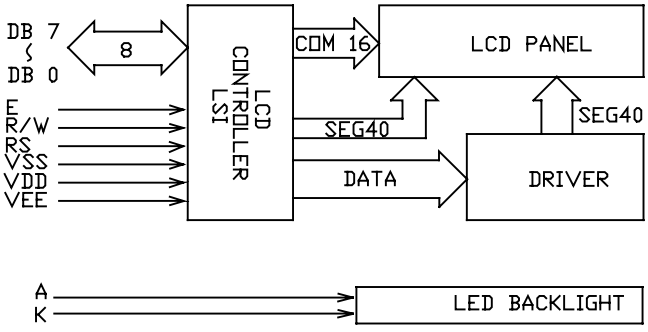
② MECHANICAL DATA

ITEM	SPECFICATION	UNIT
Module Size (W X H X T)	80.0 x 36.0 x 9.2	mm
Viewing Area (W X H)	65.4 x 13.8	mm
Number of Character	16 Character x 2 Line	Char
Dot Pitch (W X H)	0.6 x 0.6	mm
Dot Size (W X H)	0.52 x 0.52	mm
Character Pith (WXH)	3.52 x 5.32	mm
Character Size (W X H)	2.92 x 4.72	mm

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	DBO	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 -

④ BLOCK DIAGRAM



⑤ELECTRICAL CHARACTERISTICS(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