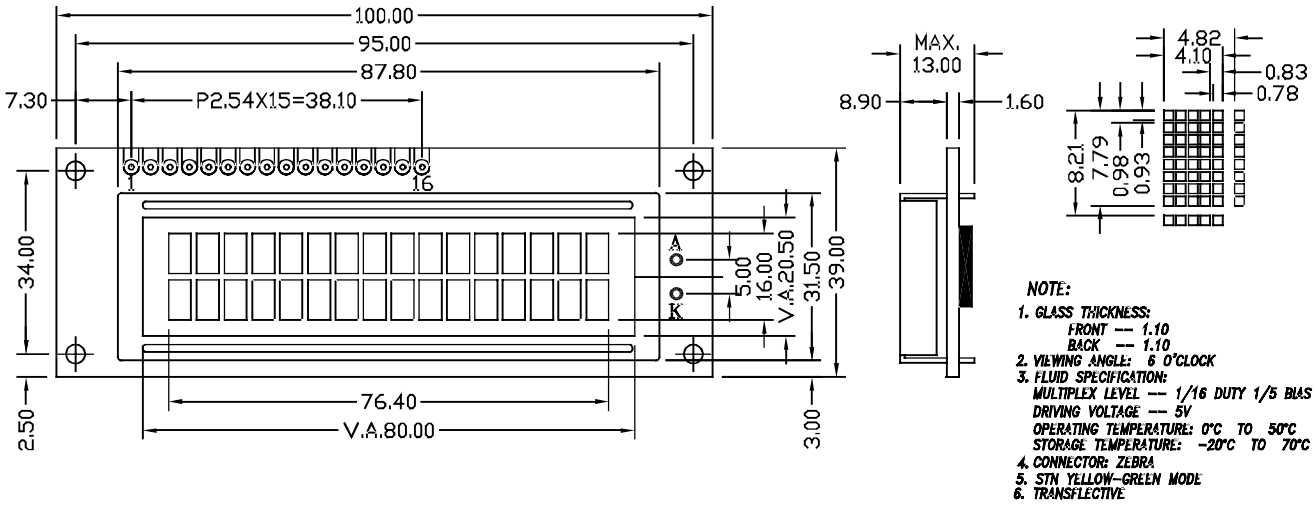
ITM-1602CSTL

LCD GROUP

INTECH LCD (SHEN ZHEN) CO.,LTD			
VER	A0	FILE NO	IT-III-ED-004
REV.NO	01	SHEET	OF
DATE	2000-02-22		

① EXTERNAL DIMENSION



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

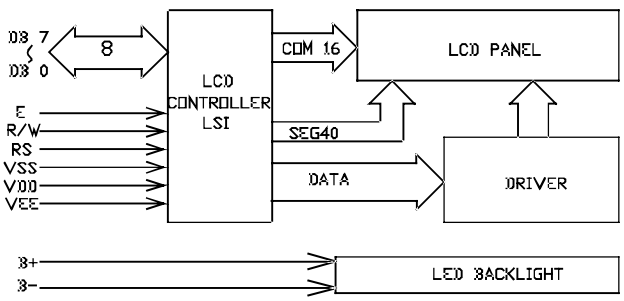
② MECHANICAL DATA

ITEM	SPECFICATION	UNIT
Module Size (W X H X T)	100.0 X 39.0 X 13.0	mm
Viewing Area (W X H)	80.0 X 20.5	mm
Internal Area (W X H)	76.4 X 16.0	mm
Dot Pitch (W X H)	0.83 X 0.98	mm
Dot Size (W X H)	0.78 X 0.93	mm
Character Pith (WXH)	4.82 X 8.21	mm
Character Size (W X H)	4.10 X 7.79	mm
Number of Character	16 Character x 2 Line	Char

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	K		LED BACKLIGHT -
16	A		LED BACKLIGHT +

④ BLOCK DIAGRAM



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