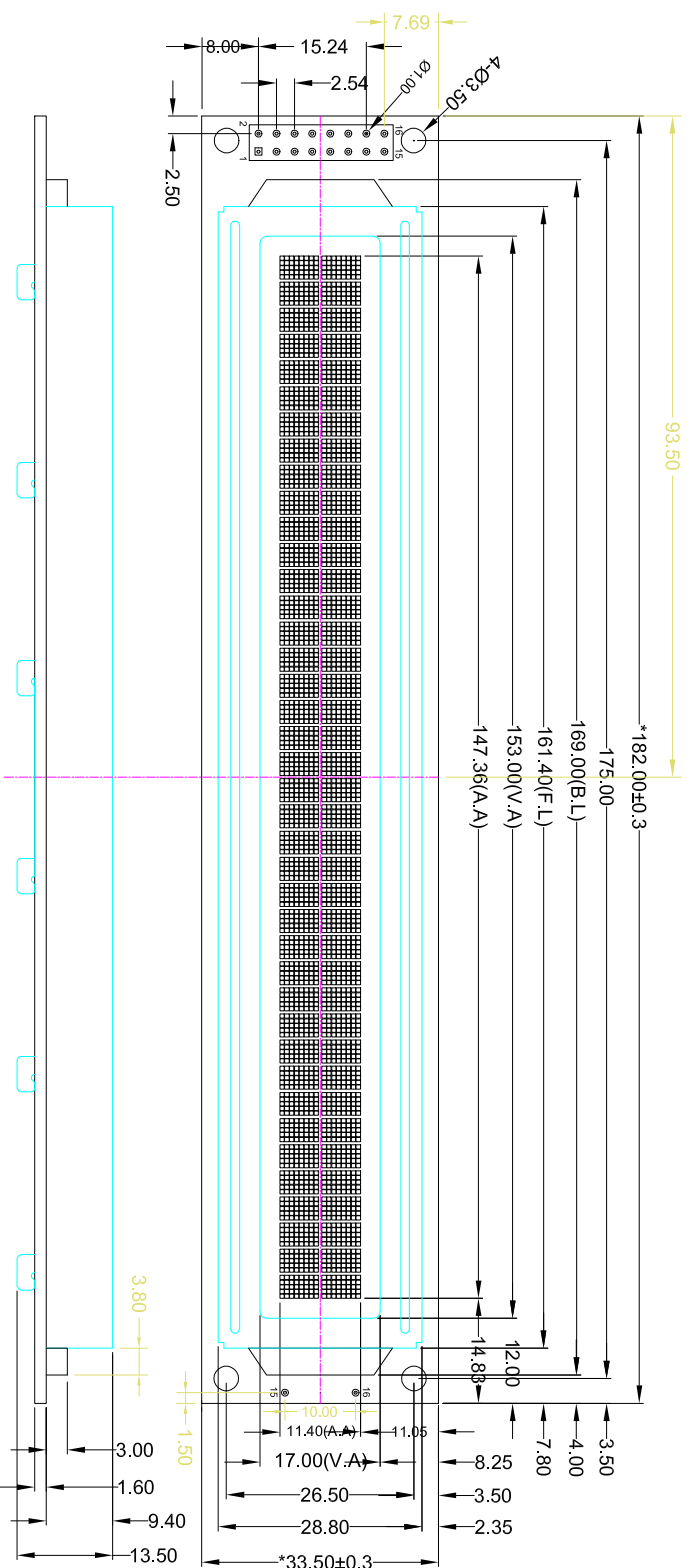
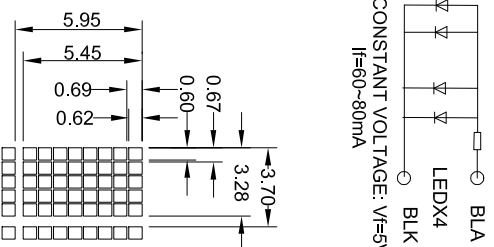


Customer approval:



Pin Description and Wiring Diagram

Pin No.	Symbol	External Connection	Function Description
1	VSS	Power Supply	Ground
2	VDD	Power Supply	Supply Voltage for logic (+5.0V)
3	VO	Adj Power Supply	Supply Voltage for contrast (approx. 0.7V)
4	RS	MPU	Register Select signal, RS=0: Command, RS=1: Data
5	R/W	MPU	Read/Write select signal, R/W=1: Read, R/W=0: Write
6	E	MPU	Operation Enable signal, Falling edge triggered.
7~10	DB0~DB3	MPU	Four low order bit - directional three - state data bus lines. These four are not used during 4 - bit operation.
11~14	DB4~DB7	MPU	Four high order bit - directional three - state data bus lines.
15	BLA	Power Supply	Backlight Anode (+5.0V via on - board resistor)
16	BLK	Power Supply	Backlight Cathode (Ground)



- SPECIFICATION:**
- 1). Driving: Duty:1/16, Bias:1/5, V_{dd}:5.0V, V_{lcd}:4.5V
 - 2). VIEWING DIRECTION: 6 O'CLOCK
 - 3). Display mode: STN/Blue/ Negative/Transmissive
 - 4). Operating temp.: -20°C~+70°C
 - 5). Storage temp.: -30°C~+80°C
 - 6). Control IC: ALP31066 (Or Compatible)
 - 7). BACKLIGHT: Edge,White, LEDX4 5.0V 60ma
 - 8). DIMENSIONS WITH MARK "" ARE IMPORTANT WITH MARK "" ARE REFERENCED
 - 9). All the raw materials are RoHS compliant

REVISION RECORD

REV	REV	REPLACE	DRAWING NO.	SYMBOL	GENERAL TOL:
V1.0	REV	First Issue	SYB4002AV13-5C10BL-85WG	Shenzhen TCC Ltd	± 0.2
V1.3	REV	Replace: DMC40218	SYB4002AV13-5C10BL-85WG	Shenzhen TCC Ltd	± 0.2



深圳市三元晶科技有限公司
Shenzhen TCC Ltd

APPROVED BY	CHECKED BY	DRAWING BY	UNIT:	PAGE
LSS	LGJ	YJQ	mm	1/1

2013/2/12 2013/2/12 2013/2/12

