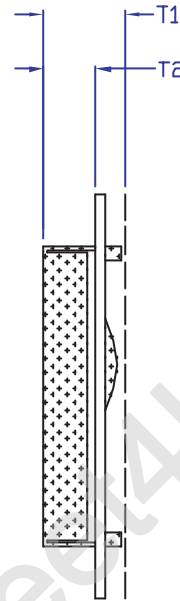
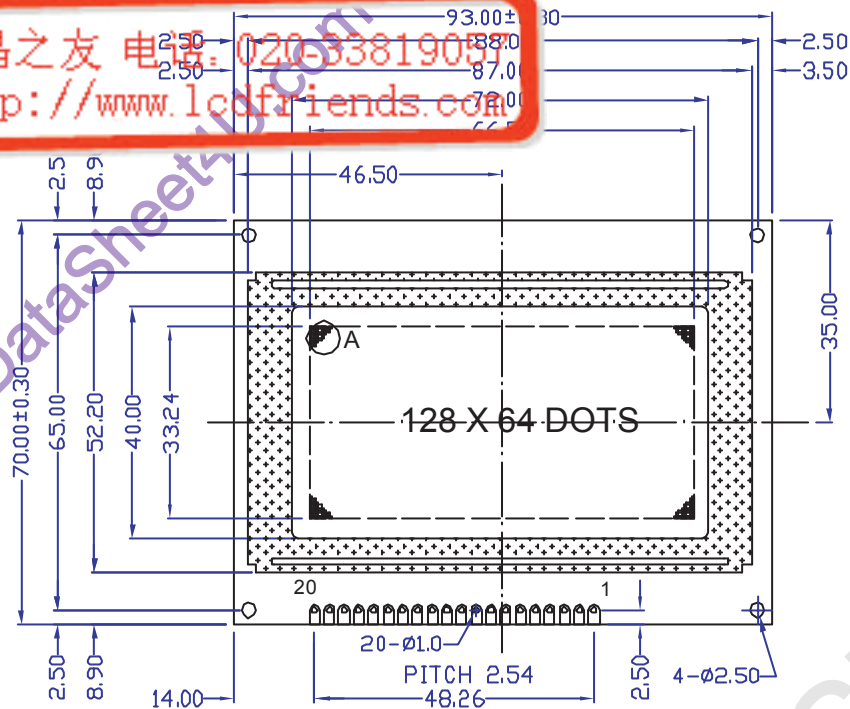
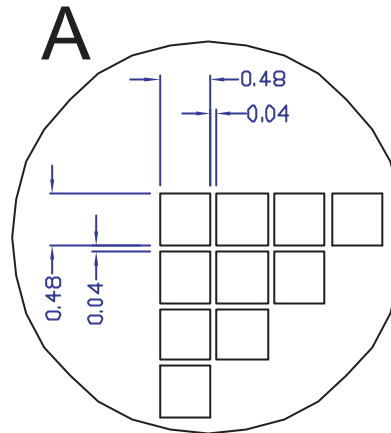
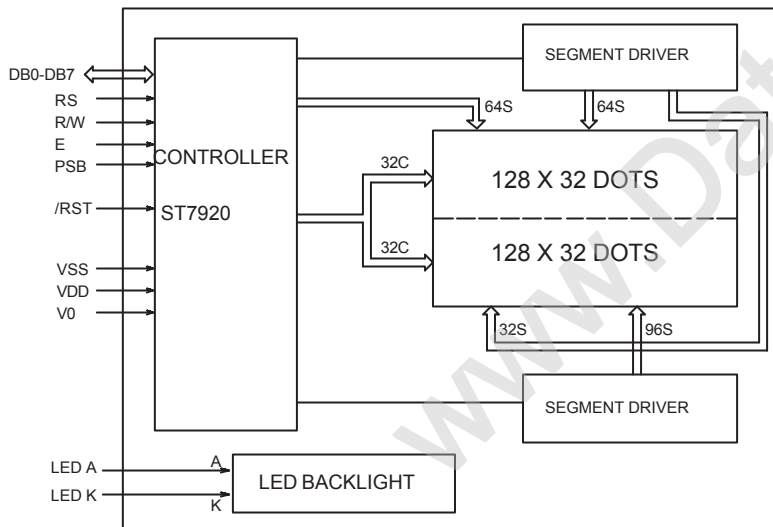


液晶之友 电话: 020-33819051
 Http://www.lcdfriends.com



* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL OR NO BACKLIGHT
 T1=11.0MAX T2=6.0±0.3



REVISIONS

NO.	DATE	BY	DESCRIPTION
1	01/06/18	A.CH	NEW RELEASE

PINS ASSIGNMENT		
NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	CONTRAST ADJUST
4	RS	DATA/INSTRUCTION SELECT
5	R/W	READ/WRITE SELECT
6	E	ENABLE SIGNAL
7-14	DB0-DB7	DATA BUS
15	PSB	PARALLEL/SERIAL INTERFACE SELECTION
16	NC	NO CONNECT
17	/RST	RESET SIGNAL(LOW EFFECTIVE)
18	NC	NO CONNECT
19	A	POWER SUPPLY FOR LED BACKLIGHT(+)
20	K	POWER SUPPLY FOR LED BACKLIGHT(-)

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 SUPPLY CURRENT	VDD-VSS IDD	4.75	5.0	5.25	V mA
LCD OPERATING VOLTAGE	0C	-	-	-	V
	25C	-	-	4.0	V
	40C	-	-	-	V
INPUT VOLTAGE	H	V _{IH}	-	VDD	V
	L	V _{IL}	0	0.3VDD	V
WHITE LED VOLTAGE	VLED	-	3.1	3.3	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	93.0W x 70.0H x 14.0T(11.0T)	MM
VIEWING AREA	72.0W x 40.0H	MM
DOT NUMBER	128 x 64	DOTS
DOT SIZE	0.48W x 0.48H	MM
DOT PITCH	0.52W x 0.52H	MM

OPTIONS	
1.	LCD TYPE: Y/G STN; GRAY STN; B/W FSTN
2.	BACKLIGHT: WITHOUT BACKLIGHT; LED; EL
3.	COLOR OF BACKLIGHT: Y/G; BLUE; WHITE
4.	TEMPERATURE RANGE: NORMAL(0-50C); EXTENDED(-20-70C)
5.	POWER SUPPLY: ON BOARD BODC(SINGLE 5.0V); DUAL POWER SUPPLY(5.0V & -10.0V)
6.	VIEWING ANGLE: 6H; 12H