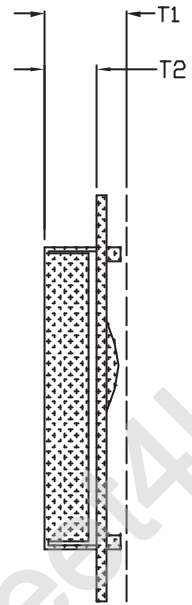
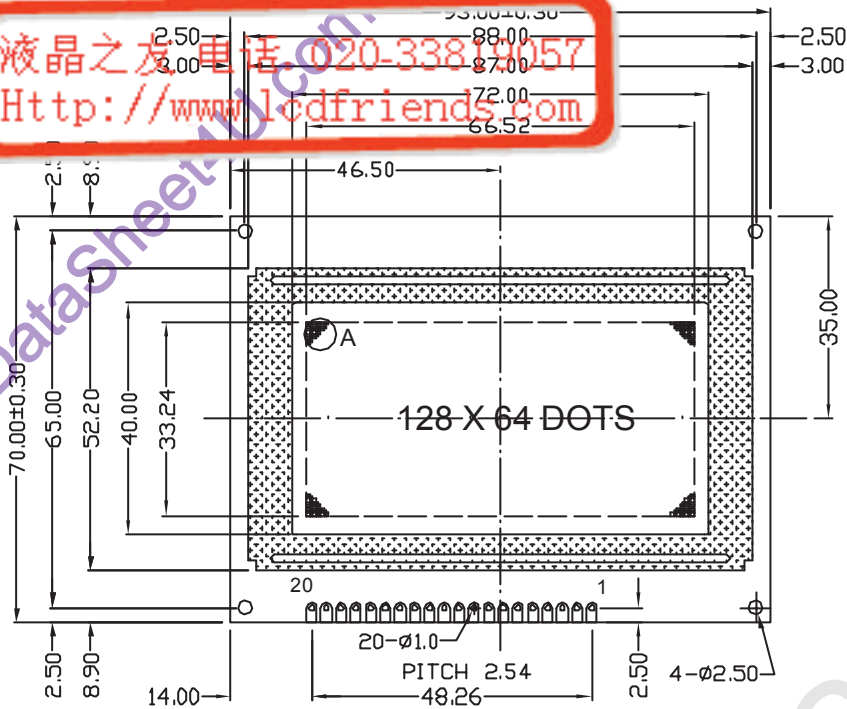
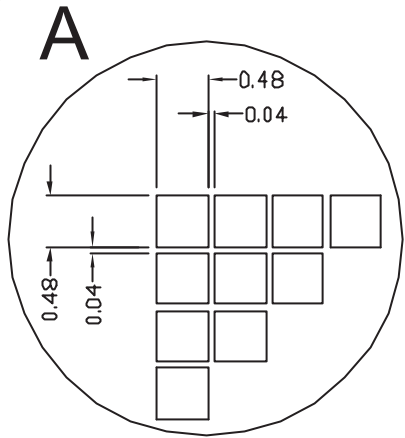
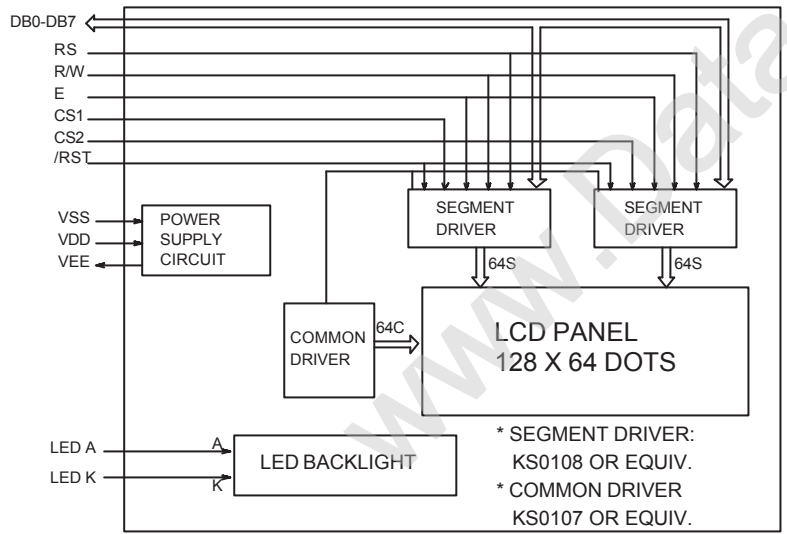


液晶之友 电话: 020-33819057
 Http://www.lcdfriends.com



* 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	OPERATING VOLTAGE FOR LCD
4	RS	DATA/INSTRUCTION SELECT
5	R/W	READ/WRITE SELECT
6	E	ENABLE SIGNAL
7-14	DB0-DB7	DATA BUS
15	CS1	CHIP SELECT OF IC1 (HIGH EFFECTIVE)
16	CS2	CHIP SELECT OF IC2 (HIGH EFFECTIVE)
17	/RST	RESET SIGNAL(LOW EFFECTIVE)
18	VEE	NEGATIVE VOLTAGE OUTPUT/INPUT
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	VDD-V0	0C	-	12.5	V
		25C	-	11.5	V
		40C	-	10.5	V
INPUT VOLTAGE	H	ViH	0.7VDD	-	VDD V
	L	ViL	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
- LCD TYPE: Y/G STN; GRAY STN; B/W FSTN
 - BACKLIGHT: WITHOUT BACKLIGHT; LED; EL
 - COLOR OF BACKLIGHT: Y/G; BLUE; WHITE
 - TEMPERATURE RANGE: NORMAL(0-50C); EXTENDED(-20-70C)
 - POWER SUPPLY: ON BOARD DCDC(SINGLE 5.0V); DUAL POWER SUPPLY(5.0V & -10.0V)
 - VIEWING ANGLE: 6H; 12H