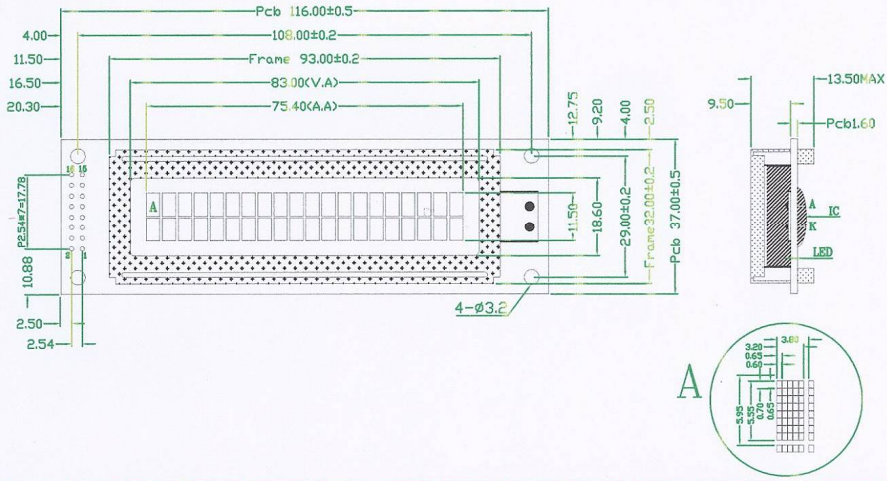
CUSTOMER'S APPROVED:

DATE:



Pin Assignment

NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC(+5V)
3	V0	OPERATING VOLTAGE FOR LCD
4	RS	DATA/INSTRUCTION SELECT
5	RW	READ/WRITE CONTROL
6	E	ENABLE SIGNAL
7-14	DB0-DB7	DATA BUS
15	LED +	BACKLIGHT POSITIVE
16	LED -	BACKLIGHT NEGATIVE

Mechanical Data

ITEM	STANDARD VALUE	UNIT
OUTLINE DIMENSION	116.00(L) x 37.00(W) x 13.50(H)	mm
VIEWING AREA	83.00(L) x 18.60(W)	mm
ACTIVE AREA	75.40(L) x 11.50(W)	mm
DOTS SIZE	0.60(L) x 0.65(W)	mm
DOTS PITCH	0.65(L) x 0.70(W)	mm
CHARACTER SIZE	3.22(L) x 5.55(W)	mm
CHARACTER PITCH	3.80(L) x 5.95(W)	mm

Feature

ITEM	STANDARD VALUE
DISPLAY TYPE	20CHARACTER x 2ROW
LCD TYPE	STN(Y-G), TRANSFLECTIVE/POSITIVE.
DRIVE METHOD	1/16DUTY, 1/5BIAS,VOP4.7V, VDD5.0V.
VIEWING ANGLE	6 O'CLOCK
BACKLIGHT	Y-G(BOTTOM),VDD5.0V, Idd160mA.
DRIVE IC	KS0066U
OPERATING TEMP	-20 TO 70°C
STORAGE TEMP	-30 TO 80°C
CONNECTION	ZEBRA

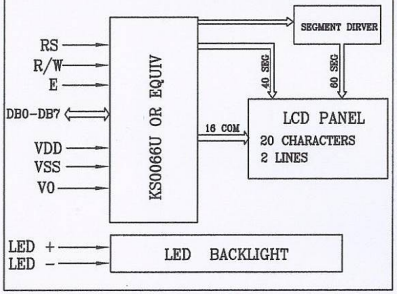
Absolute Maximum Rating

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	7.0	V
POWER SUPPLY(LCD DRV.)	VDD-V0	-0.3	13.5	V
INPUT VOLTAGE	Vin	-0.3	VDD	V

Electrical Characteristics

ITEM		SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC		VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT		IDD	-	1.1	2.2	mA
LCD DRIVER VOLTAGE	0°C	VDD-V0	4.8	5.0	5.2	V
	25°C		4.6	4.7	4.8	V
	40°C		4.4	4.5	4.6	V
INPUT VOLTAGE		Vih	2.2	-	VDD	V
		Vil	-0.3	-	0.6	V
OUTPUT VOLTAGE		Voh	2.4	-	-	V
		Vol	-	-	0.4	V

Block Diagram



DESCRIPTION: C/D			APPROVALS	DATE
GENERAL TOL	UNIT		APP: LG xiao	
± 0.20	mm	DO NOT SCALE THIS DRAWING	DWN: lucky.chang	06-03-02