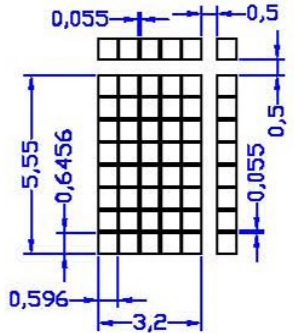
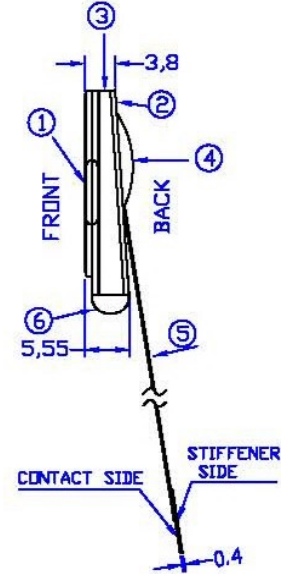
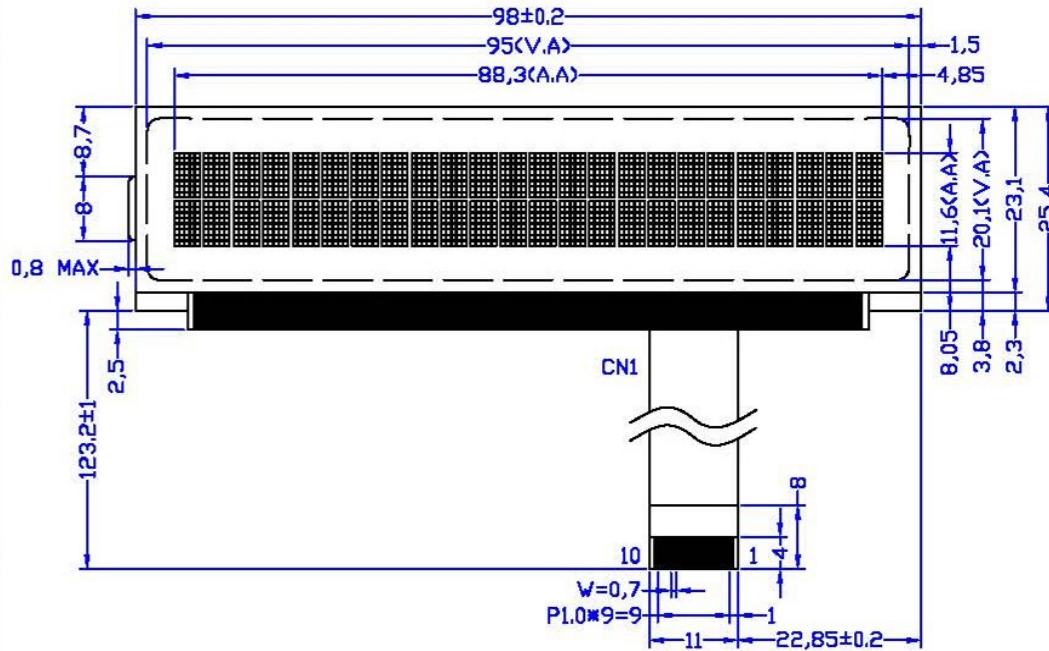


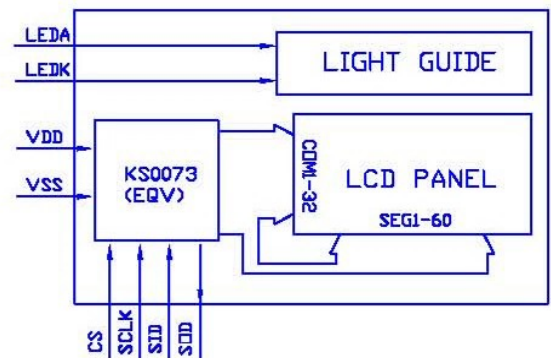
CUSTOMER'S APPROVED:

DATE:



DOT DETAIL
SCALE: 4:1

BLOCK DIAGRAM



Feature	
ITEM	STANDARD VALUE
DISPLAY TYPE	ELINES OF 84CHARACTERS
LCD TYPE	STN(GREY),REFLECTIVE/POSITIVE.
DRIVE METHOD	1/8DUTY, 1/8BIAS,VOP=0V, VDD=3.3V.
VIEWING ANGLE	6 O'CLOCK
BACKLIGHT	AMBER(SIDE),VDD=0V,MAX180mA.
CONTROL IC	KS0073(EQV)
OPERATING TEMP	-10 TO 60°C
STORAGE TEMP	-20 TO 70°C
CONNECTION	FFC

Pin Assignment(CN1)		
NO.	SYMBOL	DESCRIPTION
1	LEDA	POWER SUPPLY FOR BACKLIGHT+
2	LEDA	POWER SUPPLY FOR BACKLIGHT+
3	SID	SERIAL DATA INPUT
4	LEDK	POWER SUPPLY FOR BACKLIGHT-
5	SCLK	SERIAL CLOCK INPUT
6	VSS	GROUND
7	SOD	SERIAL DATA OUTPUT
8	VDD	POWER SUPPLY FOR LOGIC(+5V)
9	CS	DATA REGISTER SELECTED
10	VCI	VOLTAGE CONVERTER INPUT FOR LCD

MATERIAL SPEC		
NO.	DESCRIPTION	MATERIAL
①	LCD	
②	PCB	97.5(L) X 25(W)mm
③	LIGHT GUIDE	
④	BINDING	
⑤	FFC	PIN10,PH=1.0
⑥	HEAT SEAL	152055

Mechanical Data		
ITEM	STANDARD VALUE	UNIT
OUTLINE DIMENSION	98.00(L) x 88.40(W) x 5.08(H)	mm
VIEWING AREA	88.0(L) x 80.10(W)	mm
ACTIVE AREA	88.8(L) x 11.8(W)	mm
DOTS SIZE	0.690(L) x 0.6456(W)	mm
DOTS PITCH	0.851(L) x 0.7008(W)	mm

Absolute Maximum Rating				
ITEM	SYMBOL	MIN	TYP	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	3.3	V
POWER SUPPLY(LCD DRV.)	VSS-V0	0	9	V
INPUT VOLTAGE	Vin	Vin	VDD	V

Electrical Characteristics					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	2.8	3.3	5	V
SUPPLY CURRENT	IDD	-	20	-	mA
LCD DRIVER VOLTAGE	0°C	-	9.1	-	V
	25°C	-	9.0	-	V
INPUT VOLTAGE	40°C	-	8.8	-	V
	Vin	0.9VDD	-	VDD	V
	VH	0	-	0.9VDD	V



SHENZHEN JUNXIAN ELECTRONIC TECHNOLOGY

DESCRIPTION: C/D
GENERAL TOL UNIT
± 0.20 mm

JM2402A-CSGNNB3
DO NOT SCALE THIS DRAWING



APPROVALS DATE
APP:LC XIAO
DWN: lucky.chang 12-09-11