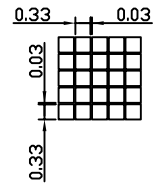
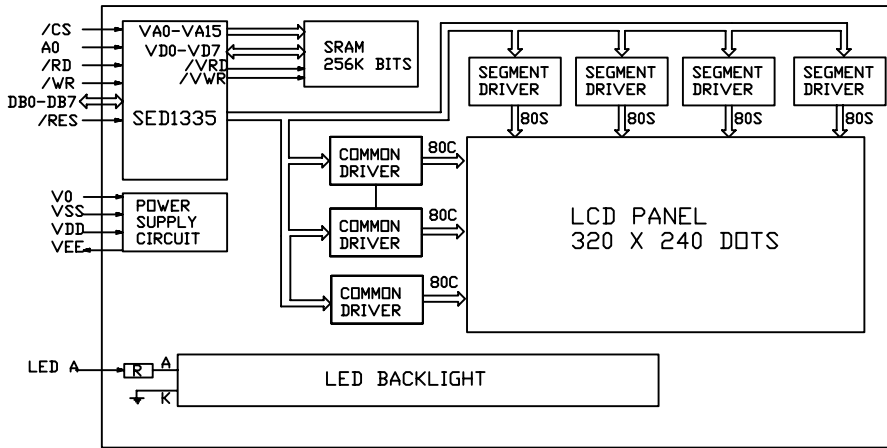
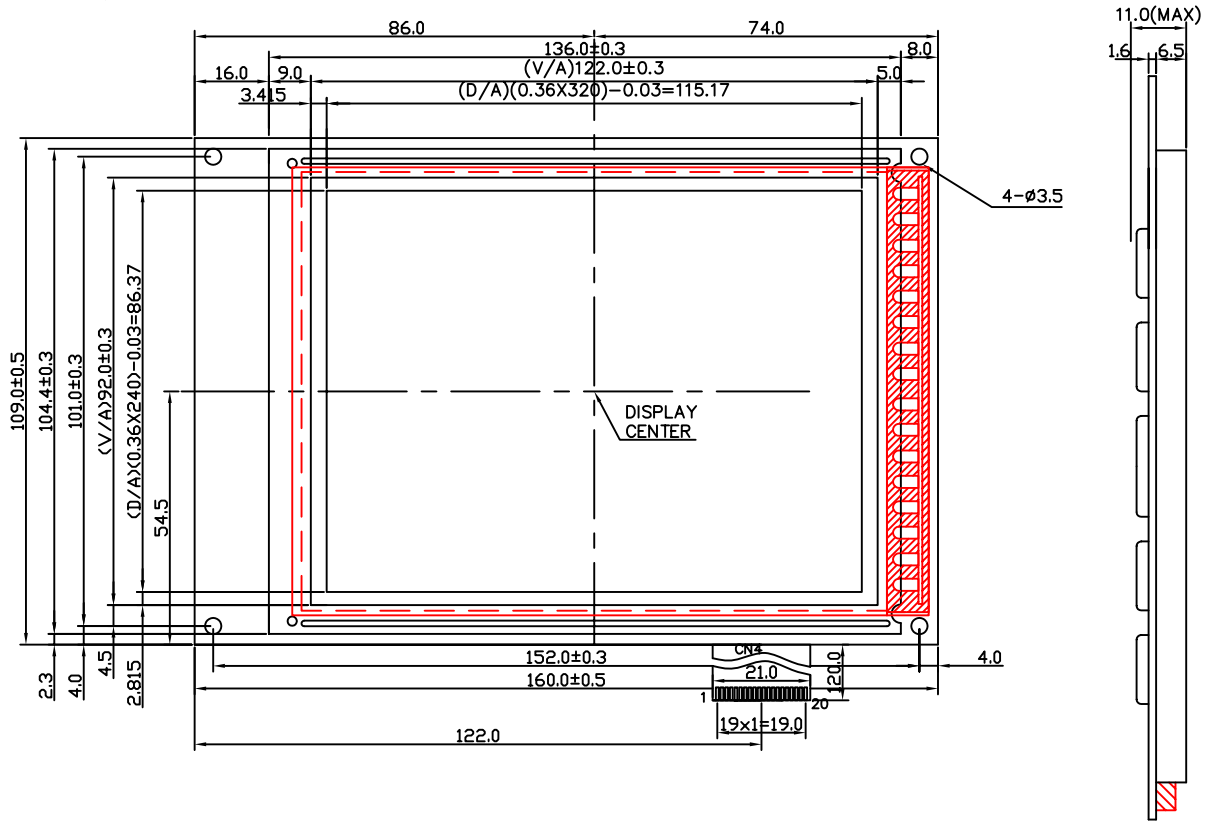


LINK-SUN (HONG KONG) ELECTRONICS LTD

MODEL NO: LSM320240-1



CN1,CN2,CN3(NO) SED1335 CONTROLL IC

NO	SYMBOL	LEVEL	FUNCTION	NO	SYMBOL	LEVEL	FUNCTION
1	DD	HL	Display Data	8	LP	—	Data latch
2	DI	HL	Display Data	9	CP	—	Data shift
3	ID	HL	Display Data	10	VCC	—	Power supply for Logic circuit (+)
4	D3	HL	Display Data	11	VSS	—	GND(0V)
5	/DISP OFF	HL	Hz on L: off	12	VLCD	—	Power supply for LCD(-)
6	FLM	—	First line market	13	VADJ	—	Operating voltage LCD driving
7	M	—	Frame reverse signal	14	FGND	—	FRAME GROUND

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	3.0	5.0	7.0	V
SUPPLY CURRENT	IDD	—	12.0	—	mA
LCD OPERATING VOLTAGE	0C	—	19.0	—	V
	25C	—	18.0	—	V
	40C	—	17.5	—	V
INPUT VOLTAGE	H VIH	0.3VDD	—	VDD	V
	L VIL	0	—	0.3VDD	V

CN4(WITH SED1335 CONTROLL IC)

NO	SYMBOL	LEVEL	FUNCTION	NO	SYMBOL	LEVEL	FUNCTION
1	/RES	L	Reset signal	11	DB5	H/L	Data Bit5
2	/RD	L	DATA read	12	DB6	H/L	Data Bit6
3	/WR	L	DATA Writed	13	DB7	H/L	Data Bit7
4	/CS	L	CHIP select	14	VDD	—	VDD(+5V)
5	A0	H/L	Data/Instruction code	15	VSS	—	GND(0V)
6	DB0	H/L	Data Bit0	16	VEE	—	Negative voltage input
7	DB1	H/L	Data Bit1	17	VO	—	Contrast Adjust
8	DB2	H/L	Data Bit2	18	D/OFF	—	01 to 004 output control input pins.
9	DB3	H/L	Data Bit3	19	N.C	—	No connection
10	DB4	H/L	Data Bit4	20	N.C	—	No connection

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	160.0W x 109.0H x 11.0T	MM
VIEWING AREA	122.0W x 92.0H	MM
DOT NUMBER	320 x 240	DOTS
DOT SIZE	0.33W x 0.33H	MM
DOT PITCH	0.36W x 0.36H	MM

OPTIONS

- LCD TYPE: STN,BLUE,/1240 DUTY,1/17 BIAS,6H
- BACKLIGHT: LED
- COLOR OF BACKLIGHT: WHITE
- TEMPERATURE RANGE: NORMAL(-20C-70C)
- POWER SUPPLY: ON BOARD DC/DC(SINGLE 5.0V)
- VIEWING ANGLE: 6H)

CN5(WITH SED1335 CONTROLL IC)

NO	SYMBOL	LEVEL	FUNCTION	NO	SYMBOL	LEVEL	FUNCTION
1	VSS	—	GND(0V)	11	DB4	H/L	Data Bit4
2	VDD	—	VDD(+5V)	12	DB5	H/L	Data Bit5
3	VO	—	Contrast Adjust	13	DB6	H/L	Data Bit6
4	/RD	L	DATA read	14	DB7	H/L	Data Bit7
5	/WR	L	DATA Writed	15	/CS	L	CHIP select
6	A0	H/L	Data/Instruction code	16	/RES	L	Reset signal
7	DB0	H/L	Data Bit0	17	VEE	—	Negative voltage input
8	DB1	H/L	Data Bit1	18	FG	—	FRAME GROUND
9	DB2	H/L	Data Bit2	19	N.C	—	No connection
10	DB3	H/L	Data Bit3	20	N.C	—	No connection

ABSOLUTE MAXIMUM RATING

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	7.0	V
POWER SUPPLY(LCD DRV.)	VDD-V0	0	18.0	V
INPUT VOLTAGE	VI	VI	VDD	V