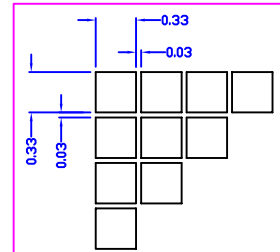
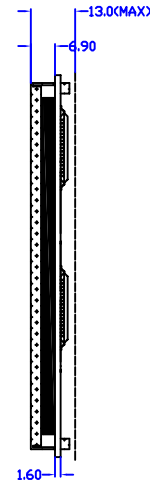
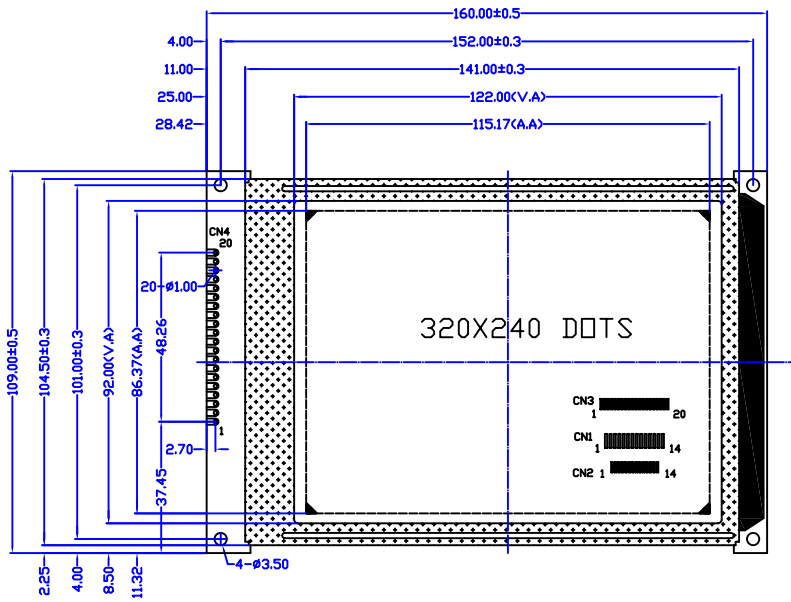
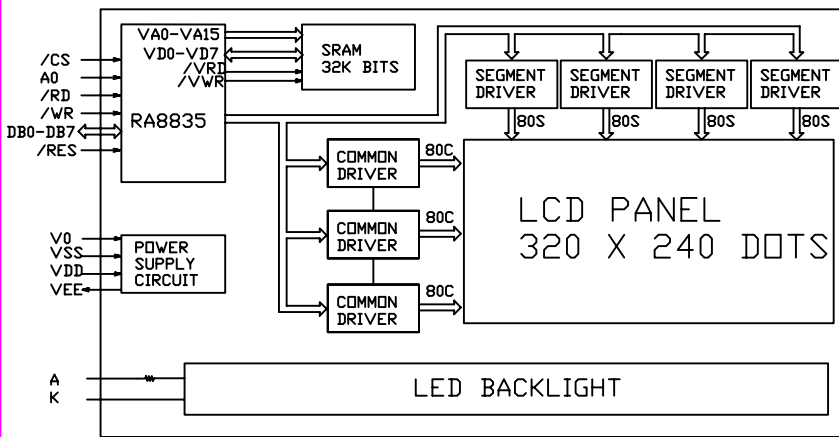


# Outline Dimension

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	08/07/01	ZOLEN	NEW RELEASE



## Block Diagram



## Feature

1. BUILT IN CONTROLLER: RA8835A
2. POWER SUPPLY: 5.0V AND 3.0V AVAILABLE
3. LCD TYPE: BLUE STN,NEGATIVE
4. BACKLIGHT: SIDE LED BACKLIGHT
5. COLOUR OF BACKLIGHT: WHITE
6. 1/240 DUTY CYCLE,1/16BIAS
7. VIEWING ANGLE:6 O'CLOCK
8. TEMPERATURE RANGE:EXTENDED(-20--70)
9. LOW CONSUMPTION,LOW VOLTAGE,HIGH CONTRAST

## Mechanical Data

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	160.0W x 109.0H x 13.0T	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

## CN4 Pin Assignment

NO.	SYSBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	/WR	WRITE SIGNAL
5	/RD	READ SIGNAL
6	/CE	CHIP SELECTION
7	A0	COMMAND/DATA SELECT
8	/RST	RESET SIGNAL (LOW EFFECTIVE)
9--16	DB0--DB7	DATA BUS
17	A	LED BACKLIGHT POWER SUPPLY(+)
18	VEE	NEGATIVE VOLTAGE INPUT/OUTPUT
19	A	LED BACKLIGHT POWER SUPPLY(+)
20	K	LED BACKLIGHT POWER SUPPLY(-)

## Absolute Maximum Rating

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	6.5	V
POWER SUPPLY(LCD DRV.)	VDD-V0	0	30.0	V
INPUT VOLTAGE	VI	VI	VDD	V

## Electrical Characteristics

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC SUPPLY CURRENT	VDD-VSS	4.75	5.0	5.25	V
LCD OPERATING VOLTAGE	0C	-	24.4	-	V
	25C	-	23.0	-	V
	40C	-	22.6	-	V
INPUT VOLTAGE	H	0.7VDD	-	VDD	V
	L	0	-	0.3VDD	V

ALL DIMENSIONS ARE IN MM. TOLERANCE IS +/-0.2 UNLESS OTHERWISE NOTED.



JXD320240A

320 X 240 DOTS GRAPHIC LCM

EXPERT IN LCD