

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	01/06/18	NLV	NEW RELEASE

A

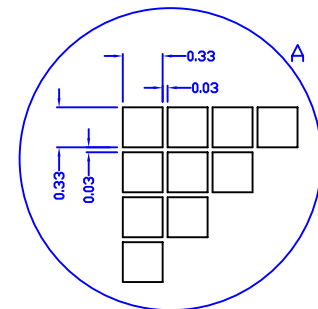
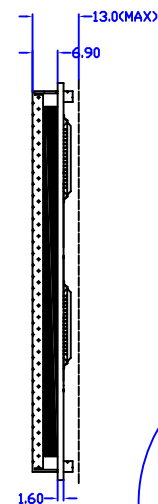
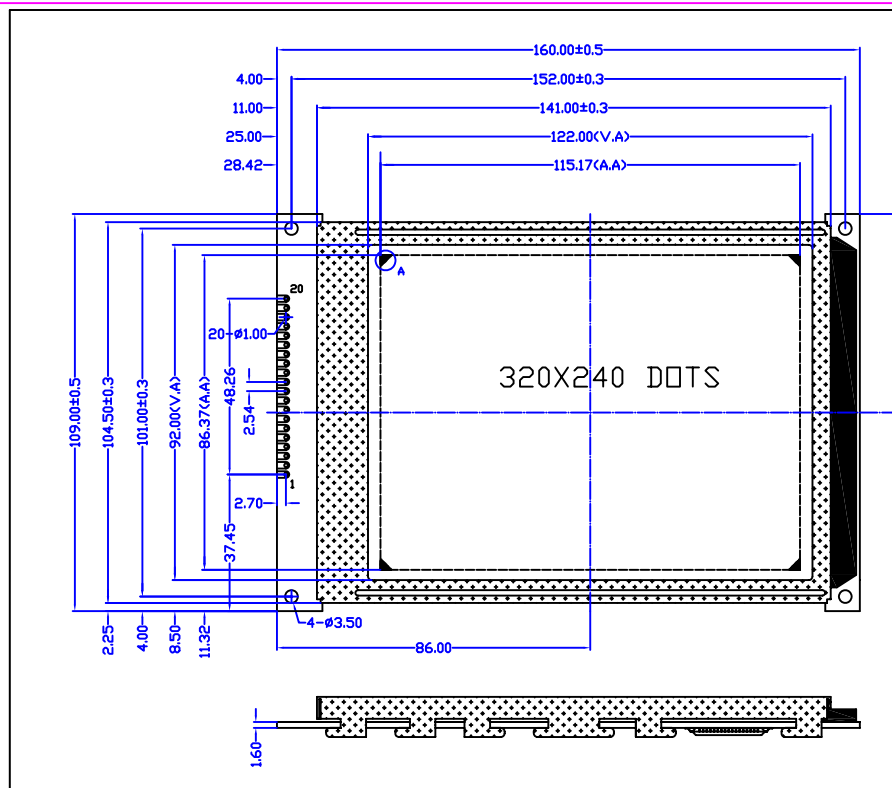
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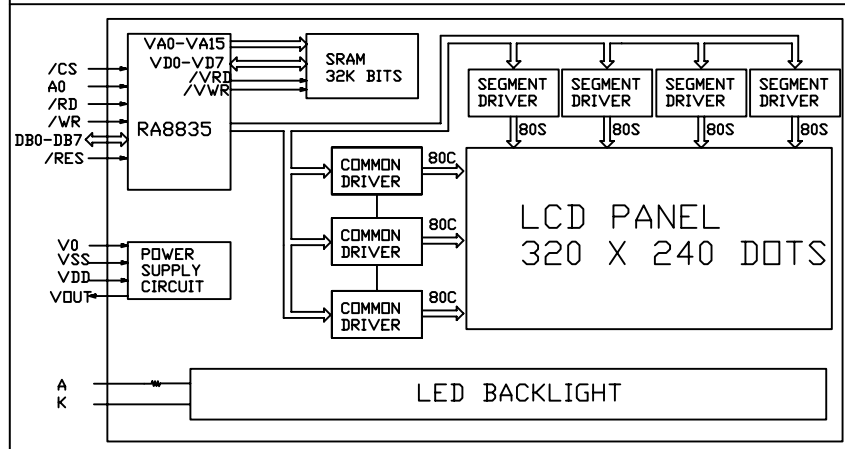
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Block Diagram



Feature

1. BUILT IN CONTROLLER: RA8835
2. POWER SUPPLY: 5.0V
3. LCD TYPE: BLUE STN, TRANSMISSIVE
4. BACKLIGHT: LED SIDE BACKLIGHT
5. COLOUR OF BACKLIGHT: WHITE
6. 1/240 DUTY CYCLE, 1/16 BIAS
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

Pin Assignment

NO.	SYMBOL	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 ENABLE FOR RA8835
7	A0	COMMAND/DATA SELECTION
8	/RST	RESET SIGNAL (LOW EFFECTIVE)
9--16	DB0--DB7	DATA BUS
17	LEDA	LED BACKLIGHT POWER SUPPLY(+)
18	VOUT	NEGATIVE VOLTAGE INPUT/OUTPUT
19	LEDA	LED BACKLIGHT POWER SUPPLY(+)
20	LEDK	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	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	12.0	-	mA
LCD OPERATING VOLTAGE	VDD-V0	0C	-	24.2	V
		25C	-	23.0	V
		40C	-	22.4	V
INPUT VOLTAGE	H	VIH	0.7VDD	VDD	V
	L	VIL	0	0.3VDD	V

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

