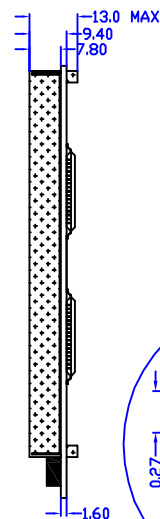
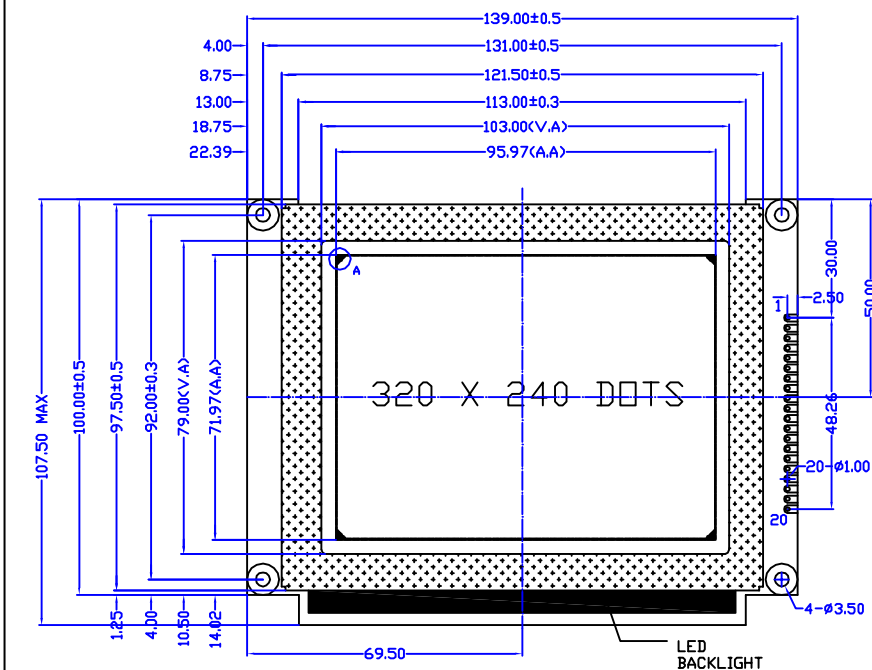


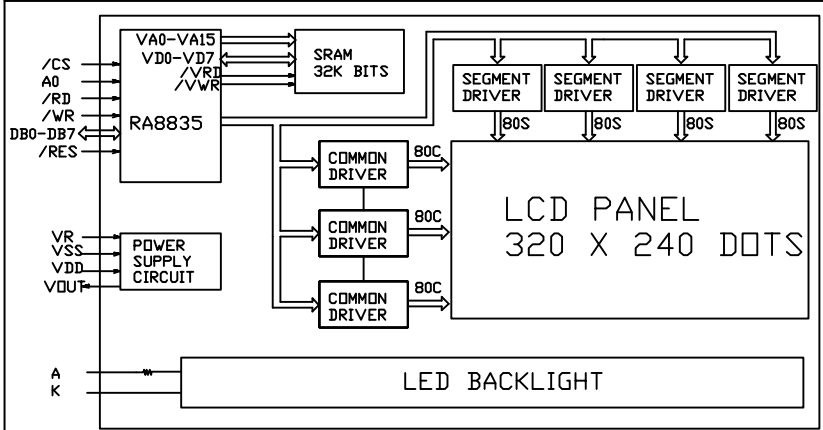
CUSTOMER'S APPROVED:

DATE:

| REVISIONS | | | |
|-----------|----------|------|-------------|
| NO. | DATE | BY | DESCRIPTION |
| 1 | 06/06/18 | Qing | NEW RELEASE |



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 | 139.0W x 107.5H x 13.0T | MM |
| VIEWING AREA | 103.0W x 79.0H | MM |
| DOT NUMBER | 320 x 240 | DOTS |
| DOT SIZE | 0.27W x 0.27H | MM |
| DOT PITCH | 0.30W x 0.30H | MM |

Pin Assignment

| NO. | SYSBOL | DESCRIPTION |
|-------|----------|--------------------------------|
| 1 | VSS | GROUND |
| 2 | VDD | POWER SUPPLY FOR LOGIC AND LCD |
| 3 | VR | 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 | VDUT | 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-VR | 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 | - | 26.2 | V |
| | | 25C | - | 25.4 | V |
| | | 40C | - | 24.4 | V |
| INPUT VOLTAGE | H | VIH | 0.7VDD | - | VDD |
| | L | VIL | 0 | - | 0.3VDD |

| | | |
|----------------------------|--|------------|
| DESCRIPTION: C/D | Distar Technology Limited | |
| GENERAL TOL: ±0.2 | www.distarltd.com | Drw WXR |
| DO NOT SCALE THIS DRAWING. | | Chk Apv |

DS-G320240B-BTSSWE-YAA