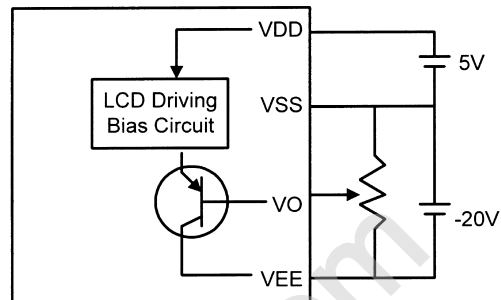


**AG-320240A1** (5.7"QVGA) • 320X240 dots 1/240 Duty**FEATURE**

1. Construction : STN/FSTN LCD, Bezel, Heat Seal, Zebra and PCB.
2. Optional : EL, CCFL, White LED back-light, Touch Panel, T/P controller.
3. Built-in Controller / Pure Driver.
4. Besides +5V for logic circuit, -20V is needed for LCD driving (Optional DC/DC converter).
5. Normal / Extended temperature type.

**ELECTRICAL CHARACTERISTICS**

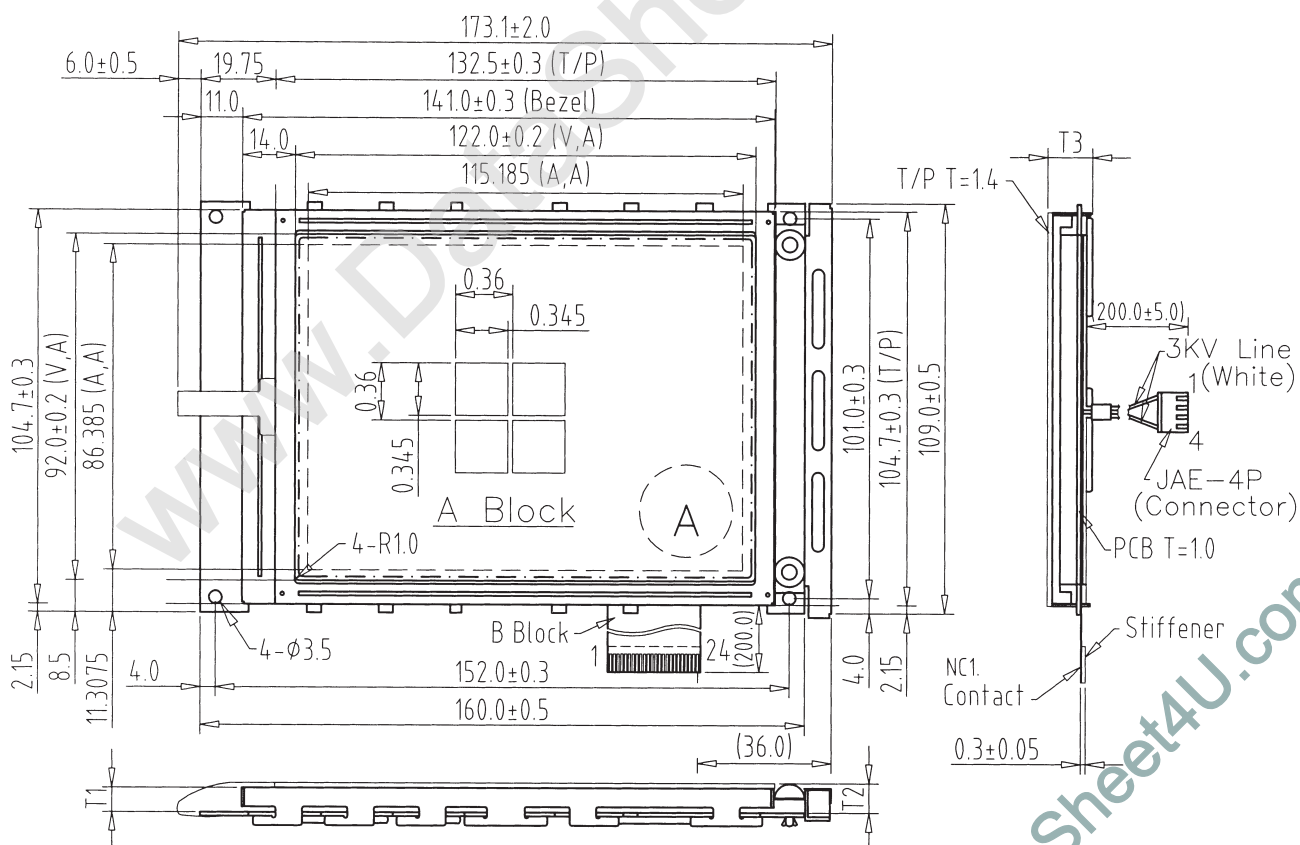
| Parameter                   | Symbol | Condition | Typ. Value | Unit. |
|-----------------------------|--------|-----------|------------|-------|
| LCD Driving Voltage         | VDD-VO | 25°C      | 21.7       | V     |
| Supply Current (Controller) | IDD    | VDD=5.0V  | 15         | mA    |
| Supply Current (Driver)     | IDD    | VDD=5.0V  | 5          | mA    |

**POWER SUPPLY****BUILT-IN CONTROLLER**

|        |     |     |     |    |     |     |     |     |     |     |     |
|--------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|
| 1      | 2   | 3   | 4   | 5  | 6   | 7   | 8   | 9   | 10  | 11  | 12  |
| /RESET | /RD | /WR | /CS | A0 | DB0 | DB1 | DB2 | DB3 | DB4 | DB5 | DB6 |
| 13     | 14  | 15  | 16  | 17 | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| DB7    | VDD | VSS | VEE | VO | SK  | D0  | DI  | CS  | INT | A   | K   |

**PURE DRIVER**

|     |     |    |      |          |     |    |    |    |     |
|-----|-----|----|------|----------|-----|----|----|----|-----|
| 1   | 2   | 3  | 4    | 5        | 6   | 7  | 8  | 9  | 10  |
| D0  | D1  | D2 | D3   | /DISPOFF | FLM | NC | LP | CP | VDD |
| 11  | 12  | 13 | 14   |          |     |    |    |    |     |
| VSS | VEE | VO | FGND |          |     |    |    |    |     |

**THICKNESS:**

| VERSION           | T1        | T2       | T3       |
|-------------------|-----------|----------|----------|
| EL & NO BACKLIGHT | 6.5 ± 0.3 | 11.0Max. | 12.5Max. |
| CCFL BACKLIGHT    | 6.5 ± 0.3 | 11.0Max. | 12.5Max. |

**Connector**

CCFL JAE-1L-G-4P-S3T2-E

LED XH-H-04P

FPC MOLEX:52207-2490(Top)

MOLEX:52207-2490(Top)