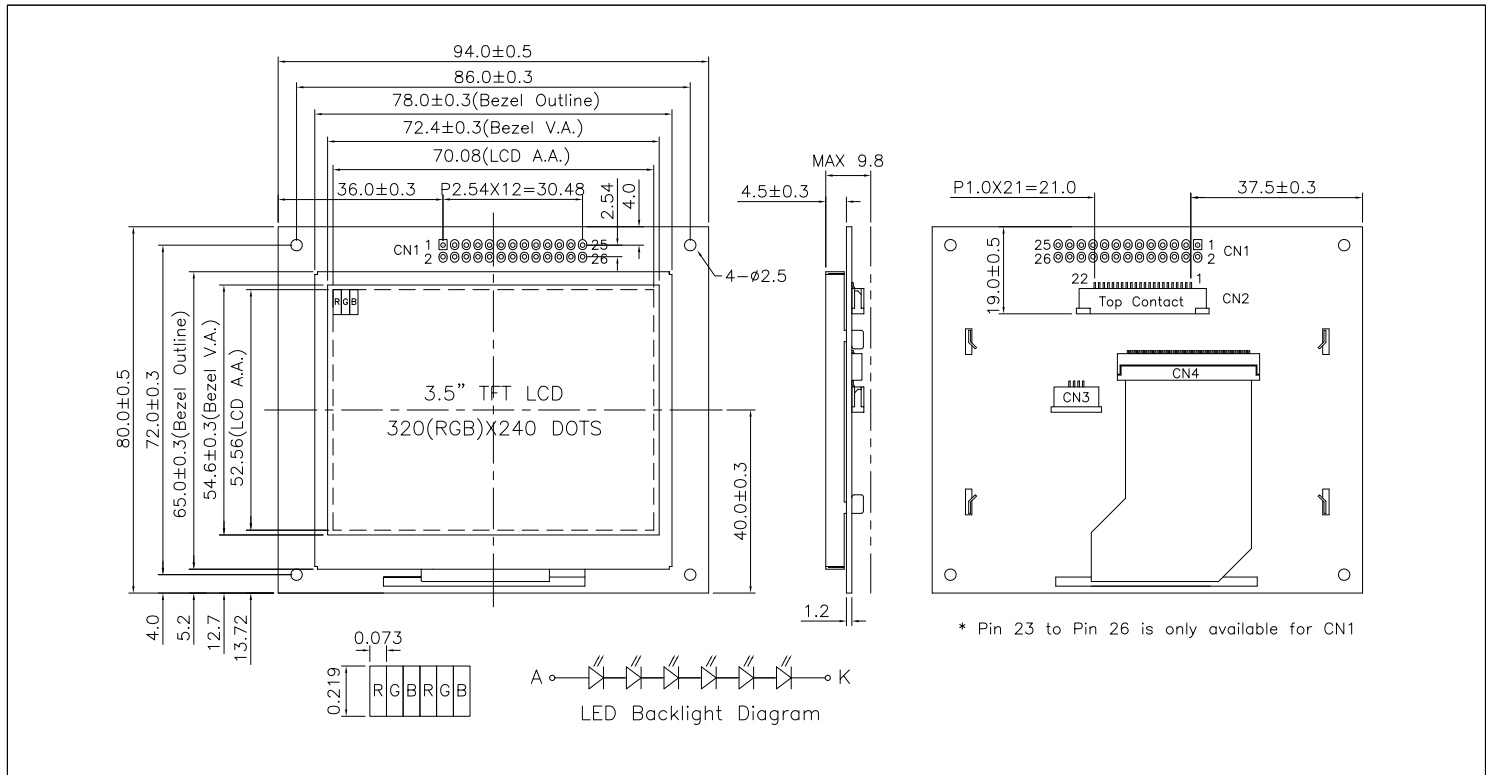


LT035B-33B

3.5" 320(RGB) x 240 TFT with MCU interface, VDD=3.3V



ABSOLUTE MAXIMUM RATINGS

| Item | Symbol | Min. | Max. | Unit |
|-----------------------|-----------------------------------|------|-----------------------|------|
| Supply Voltage(Logic) | V _{DD} - V _{SS} | -0.3 | 4.0 | V |
| Input Voltage | V _I | -0.3 | V _{DD} + 0.3 | V |
| Operating Temp. | T _{opr} | -20 | 70 | °C |
| Storage Temp. | T _{stg} | -30 | 80 | °C |

MECHANICAL DATA

| Item | Nominal Dimensions | Unit |
|---------------------------|--------------------|------|
| Module Size (W x H x T) | 94.0 x 80.0 x 9.8 | mm |
| Viewing Area (W x H) | 72.4 x 54.6 | mm |
| Active Area (W x H) | 70.08 x 52.56 | mm |
| Dot Pitch (W x H) | 0.073 x 0.219 | mm |
| Weight | Approx. 62 | g |

ELECTRICAL CHARACTERISTICS (V_{DD}=3.3V±0.3V)

| Item | Symbol | Test Condition | Min. | Typ. | Max. | Unit |
|------------------------------------|-----------------|------------------------|--------------------|------|--------------------|------|
| Input High Voltage | V _{IH} | -- | 0.9V _{DD} | -- | V _{DD} | V |
| Input Low Voltage | V _{IL} | -- | 0 | -- | 0.1V _{DD} | V |
| Supply Current (LED is turned on) | I _{DD} | V _{DD} = 3.3V | -- | 160 | 250 | mA |
| Supply Current (LED is turned off) | I _{DD} | V _{DD} = 3.3V | -- | 60 | 90 | mA |

PIN CONNECTIONS (CN1/CN2)

| Pin | Symbol | Level | Function |
|-------|-----------------|-------|---------------------------------------------------------|
| 1 | V _{SS} | 0V | GND |
| 2 | V _{DD} | +3.3V | Power supply |
| 3 | BL | H/L | LED backlight control signal H: LED on L: LED off |
| 4 | D/C | H/L | Data or command selection H: Display data L: Command |
| 5 | /WR | L | Write signal. Active "L". |
| 6 | /RD | L | Read signal. Active "L". |
| 7 | DB0 | H/L | Data bus |
| 8 | DB1 | H/L | |
| 9 | DB2 | H/L | |
| 10 | DB3 | H/L | |
| 11 | DB4 | H/L | |
| 12 | DB5 | H/L | |
| 13 | DB6 | H/L | |
| 14 | DB7 | H/L | |
| 15 | /CS | H→L | Chip enable signal. Active at falling edge. |
| 16 | /RST | L | Reset signal. Active "L". |
| 17 | NC | -- | No connection |
| 18 | NC | -- | No connection |
| 19 | NC | -- | No connection |
| 20 | NC | -- | No connection |
| 21-22 | NC | -- | No connection |
| 23-26 | NC | -- | No connection |

BLOCK DIAGRAM

