

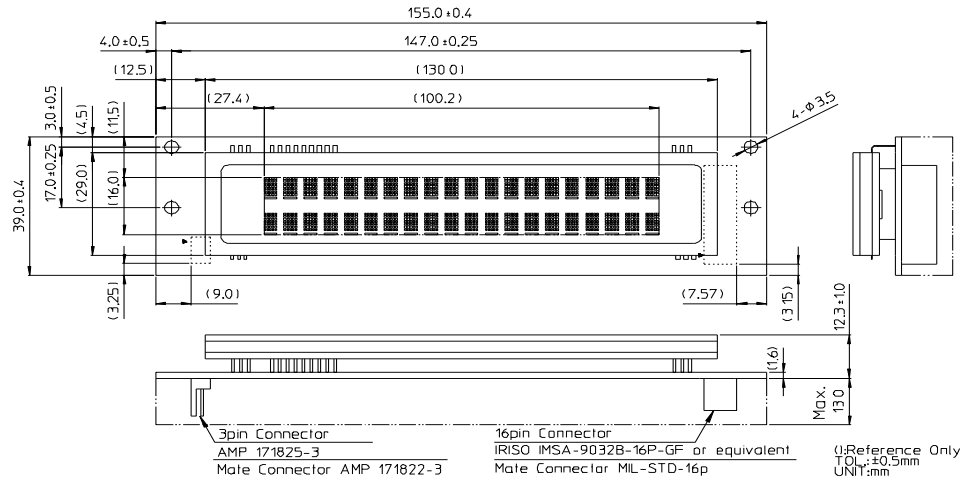
CU20026-TW200A

SIMPLIFIED DATASHEET

Features

20 character x 2 line display character module.
 Uses a slightly larger VFD.
 Built-in ASCII, katakana, and International fonts.

Outer dimension



Get full specification



Click here to go to request form.

Specifications

Electrical Ratings

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Condition |
|----------------------|--------|------|------|------|------|-----------|
| Power supply voltage | VCC | 4.75 | 5.00 | 5.25 | VDC | - |

Electrical Characteristics

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Condition |
|----------------------|--------|------|------|------|------|-------------|
| Input Voltage | | | | | | |
| H | VIH | 2.0 | - | VCC | VDC | - |
| L | VIL | 0 | - | 0.8 | VDC | - |
| Output Voltage | | | | | | |
| H | VOH | 4.4 | - | - | VDC | IOH=-2mA |
| L | VOL | - | - | 0.5 | VDC | IOL=2mA |
| Power Supply Current | Icc | - | 290 | 350 | mADC | All dots ON |

Optical Characteristics

| Parameter | |
|-----------------------|----------------------------|
| Luminance | 350 cd/m ² Min. |
| Color of illumination | Green (Blue-Green) |

Environmental Conditions

| Parameter | |
|---------------------------|--|
| Operating Temperature | -40 ~ +85 degrees celsius |
| Storage Temperature | -40 ~ +85 degrees celsius |
| Operating Humidity | 20 ~ 80% R.H. (non-condensing) |
| Storage Humidity | 20 ~ 80% R.H. (non-condensing) |
| Vibration (Non operation) | 10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z |
| Shock (non-operating) | 980m/s ² (100G) 9ms X-Y-Z, 3 times each direction |

Physical Specifications

| Parameter | |
|------------------|-------------------------------|
| Number of Char. | 40 (20 characters x 2 lines) |
| Built-in Fonts | ANK, International Font |
| Character Format | 5 x 7 dot matrix & Under line |
| Display Area | 100.2 x 16.0 mm (X x Y) |
| Character Size | 3.3 x 6.05 mm (X x Y) |
| Character Pitch | 5.1 mm |
| Line Pitch | 9.95 mm |

Interface

Parallel, Asynchronous Serial (TTL)

Pin Assignment (Parallel / Serial)

| Pin No | Signal | Pin No | Signal |
|--------|--------|--------|--------|
| 1 | D7 | 2 | D6 |
| 3 | D5 | 4 | D4 |
| 5 | D3 | 6 | D2 |
| 7 | D1 | 8 | D0 |
| 9 | WR | 10 | CS |
| 11 | SN/TO | 12 | BUSY |
| 13 | GND | 14 | GND |
| 15 | VCC | 16 | VCC |

(Serial)

| Pin No | Signal | Baud Rate Setting |
|--------|--------|---------------------|
| 1 | VCC | 19200bps* |
| 2 | SN/TO | 9600bps |
| 3 | GND | 4800bps |
| | | 2400bps |
| | | 1200bps |
| | | 600bps |
| | | (*:factory default) |

Functions

Parameter
 Auto initialized
 Command Control
 Blink speed control
 Flicker less Mode / Quick Write Mode
 etc.

