

CU40066-TW200A

SIMPLIFIED DATASHEET

■ Features

40 character x 6 line display character module.
Built-in ASCII, katakana, and International fonts.

■ Outer dimension



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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 |
|----------------------|--------|------|------|------|------|--------------|
| Logic input voltage | | | | | | |
| H | VIH | 2.0 | - | VCC | VDC | Vcc=5.0V |
| L | VIL | 0 | - | 0.8 | VDC | TA=25°C |
| Logic output Voltage | | | | | | |
| H | VOH | 4.4 | - | - | | IOH=-2mA |
| L | VOL | - | - | 0.5 | | IOL=2mA |
| Power Supply Current | Icc | - | 0.9 | 1.1 | ADC | All dots OFF |
| | | - | 1.1 | 1.4 | ADC | 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) |
| 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. | 240 (40 characters x 6 lines) |
| Built-in Fonts | ANK, International Font |
| Character Format | 5 x 7 dot matrix & Under line |
| Display Area | 188.55 x 46.0 mm (X x Y) |
| Character Size | 3.3 x 6.00 mm (X x Y) |
| Character Pitch | 4.75 mm |
| Line Pitch | 8.0 mm |

■ Interface

Parallel, Asynchronous Serial (TTL)

■ Pin Assignment (Parallel / Serial)

| Pin No | Signal | Pin No | Signal |
|--------|----------|--------|--------|
| 1 | D7 | 2 | GND |
| 3 | D6 | 4 | GND |
| 5 | D5 | 6 | GND |
| 7 | D4 | 8 | GND |
| 9 | D3 | 10 | GND |
| 11 | D2 | 12 | GND |
| 13 | D1 | 14 | GND |
| 15 | D0 | 16 | GND |
| 17 | WR (R/W) | 18 | GND |
| 19 | A0 | 20 | GND |
| 21 | RD (EN) | 22 | GND |
| 23 | CS | 24 | GND |
| 25 | T0 (SIN) | 26 | GND |
| 27 | BUSY | 28 | GND |
| 29 | BL | 30 | GND |
| 31 | RESET | 32 | GND |
| 33 | NC | 34 | GND |

(Serial)

| Pin No | Signal | Baud Rate Setting |
|--------|--------|-------------------|
| 1 | VCC | 19200bps* |
| 2 | SIN/T0 | 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. |



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Please confirm product details in the specification.

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