

OLED Driver/Controller IC**PT6880**

DESCRIPTION

PT6880 is an OLED Driver/Controller IC utilizing CMOS Technology specially designed to display alphanumeric and Japanese kana characters as well as symbols and graphics. It can interface with either 4-bit or 8-bit Microprocessor and display up to one 8-character line or two 8-character lines.

Display RAM, Character Generator, OLED Driver as well as a wide range of instruction functions such as Display Clear, Cursor Home, Display ON/OFF, Cursor ON/OFF, Display Character Blink, Cursor Shift, Display Shift are all incorporated into a single chip having the highest performance and reliability. Pin assignments and application circuit are optimized for easy PCB layout and cost saving advantages.

FEATURES

- CMOS Technology
- Low Power Consumption
- 4-Bit or 8-Bit MPU Interface
- High Speed MPU Interface: 2MHz (VDD =5V)
- 80 x 8-Bit Display RAM (80 characters max.)
- Auto Reset Function
- 5 x 8 and 5 x 10 Dot Matrix
- Built-in Oscillator with External Resistors
- Programmable Duty Cycle:
 - 1/8 Duty: (1 Display Line, 5 x 8 Dots with Cursor)
 - 1/11 Duty: (1 Display Line, 5 x 10 Dots with Cursor)
 - 1/16 Duty: (2 Display Lines, 5 x 8 Dots with Cursor)
- 9920-Bit Character Generator ROM (CGROM)
 - 208 Character Fonts (5 x 8 dot matrix)
 - 32 Character Fonts (5 x 10 dot matrix)
- 64 x 8-Bit Character Generator RAM (CGRAM)
 - 8 Character Fonts (5 x 8 dot matrix)
 - 4 Character Fonts (5 x 10 dot matrix)
- 16 Common x 40 Segment OLED Drivers
- Available in C.O.B. or QFP Package

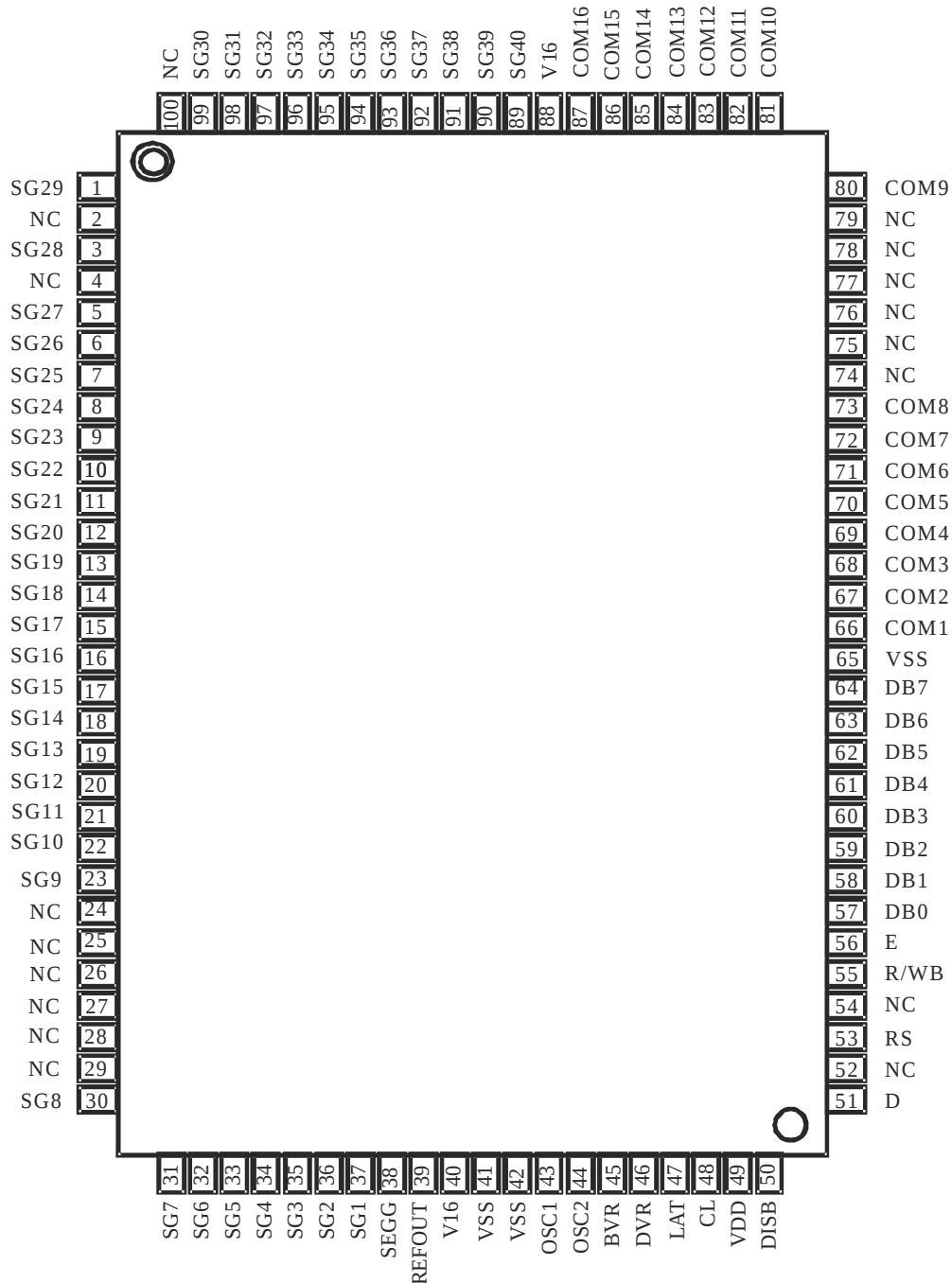
APPLICATIONS

- Cellular Phone
- Data Bank/Organizer
- Electronic Dictionary / Translator
- Information Appliance
- P.D.A.
- P.O.S.
- Car Audio
- Electronic Equipment with OLED Display

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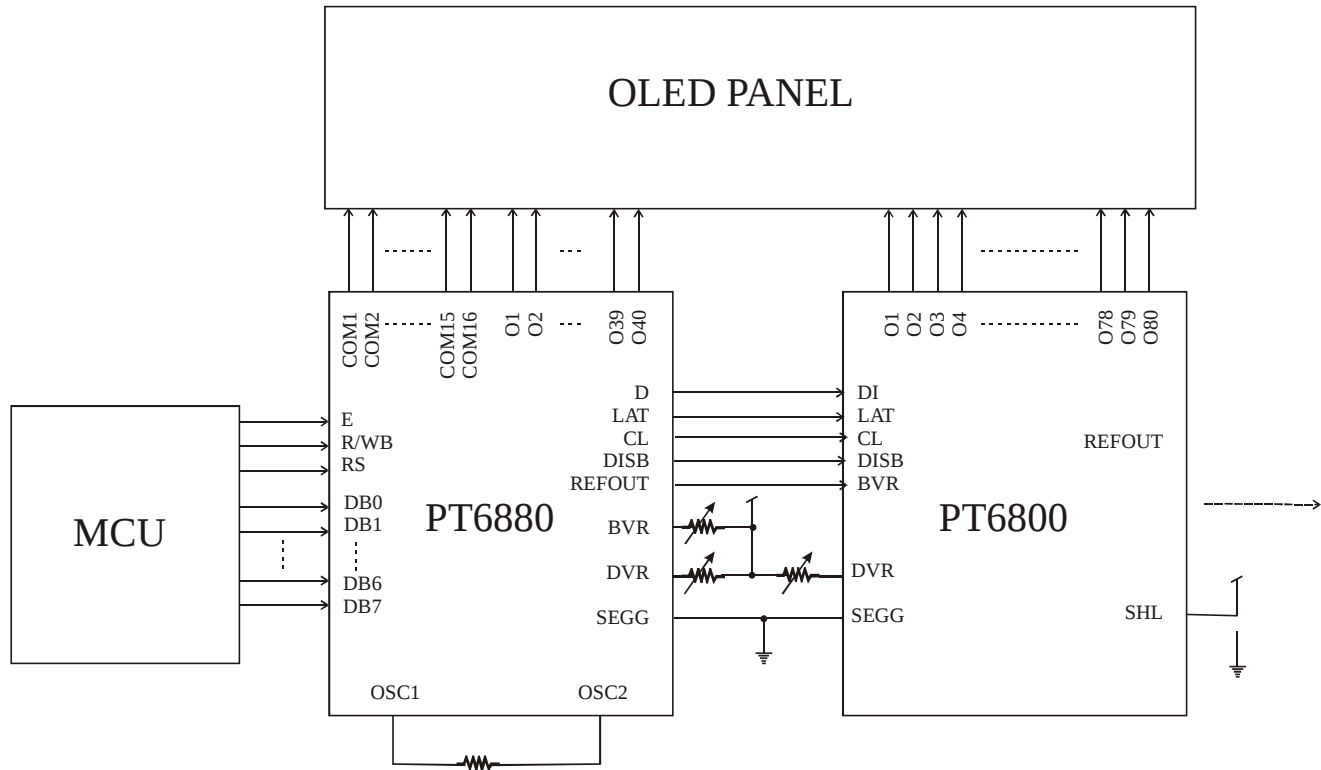
PIN CONFIGURATION



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APPLICATION CIRCUIT



ORDER INFORMATION

Order Part Number	Package Type	Top Code
PT6880	100 Pins, QFP Package	PT6880
PT6880-001	100 Pins, QFP Package	PT6880-001