

## LED Driver 64 Segment 2500uA Supply Current 28-Pin CDIP Tube



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[Inquiry](#)

**Manufacturer:** [Renesas Technology Corp](#)

**Package/Case:** DIP

**Product Type:** Optoelectronics

**Lifecycle:** Active

### General Description

The ICM7218 series of universal LED driver systems provide, in a single package, all the circuitry necessary to interface most common microprocessors or digital systems to an LED display. Included on-chip are an 8-byte static display memory, two types of 7-segment decoders, multiplex scan circuitry, and high current digit and segment drivers for either common cathode or common anode displays. The ICM7218A and ICM7218B feature two control lines (WRITE and MODE) which write either 4 bits of control information (DATA COMING, SHUTDOWN, DECODE and HEXA/CODE B) or 8 bits of display input data. Display data is automatically sequenced into the 8-byte internal memory on successive positive going WRITE pulses. Data may be displayed either directly or decoded in Hexadecimal or Code B formats. The ICM7218C and ICM7218D feature two control lines (WRITE and HEXA/CODE B/SHUTDOWN), 4 separate display data input lines, and 3 digit address lines. Display data is written into the internal memory by setting up a digit address and strobing the WRITE line low. Only Hexadecimal and Code B formats are available for display outputs.

### Key Features

Microprocessor compatible

Total circuit integration on-chip includes:

Digit and segment drivers

All multiplex scan circuitry

8-Byte static display memory

7-Segment Hexadecimal and Code B decoders

Output drive suitable for LED displays directly

Common anode and common cathode versions

Single 5V supply required

Data retention to 2V Supply

Shutdown feature - turns off display and puts chip into low power dissipation mode

Sequential and random access versions

Decimal point drive on each digit [Related Literature](#)



## Recommended For You

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### ICM7211AMIPLZ

Renesas Technology Corp

DIP

### ICL7107CPLZ

Renesas Technology Corp

DIP

### ICM7211AMIPL

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DIP

### ICM7212AIPL

Renesas Technology Corp

DIP40

### ICL7106CPLZ

Renesas Technology Corp

DIP

### ICM7244AIM44Z

Renesas Technology Corp

QFP

### CA3224E

Renesas Technology Corp

DIP

### TW8832S-LB1-CR

Renesas Technology Corp

QFP80

### TW8811-LD2-GR

Renesas Technology Corp

QFP

### ISL24003IRZ

Renesas Technology Corp

QFN

### EL5000AERZ-T13

Renesas Technology Corp

TSSOP

### TW8827-TA3-GR

Renesas Technology Corp

QFP48

### ISL58315CRTZ-T7A

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QFN40

### TW8816-LB3-GRS

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