

## Interrupt Controller 5V 28-Pin PDIP Tube

<b>Manufacturer:</b>	<u>Renesas Technology Corp</u>
<b>Package/Case:</b>	DIP28
<b>Product Type:</b>	Discrete Semiconductor Modules
<b>Lifecycle:</b>	Obsolete



Images are for reference only

[Inquiry](#)

## General Description

The Intersil 82C59A is a high performance CMOS Priority Interrupt Controller manufactured using an advanced 2 $\mu$ m CMOS process. The 82C59A is designed to relieve the system CPU from the task of polling in a multilevel priority system. The high speed and industry standard configuration of the 82C59A make it compatible with microprocessors such as 80C286, 80286, 80C86/88, 8086/88, 8080/85 and NSC800. The 82C59A can handle up to eight vectored priority interrupting sources and is cascadable to 64 without additional circuitry. Individual interrupting sources can be masked or prioritized to allow custom system configuration. Two modes of operation make the 82C59A compatible with both 8080/85 and 80C86/88/286 formats. Static CMOS circuit design ensures low operating power. The Intersil advanced CMOS process results in performance equal to or greater than existing equivalent products at a fraction of the power.

## Key Features

Pb-Free Plus Anneal Available (RoHS Compliant)

12.5MHz, 8MHz and 5MHz Versions Available

High-Speed, "No Wait-State" Operation with 12.5MHz 80C286 and 8MHz 80C86/88

Pin Compatible with NMOS 8259A

80C86/88/286 and 8080/85/86/88/286 Compatible

Eight-Level Priority Controller, Expandable to 64 Levels

Programmable Interrupt Modes

Individual Request Mask Capability

Fully Static Design

Fully TTL Compatible

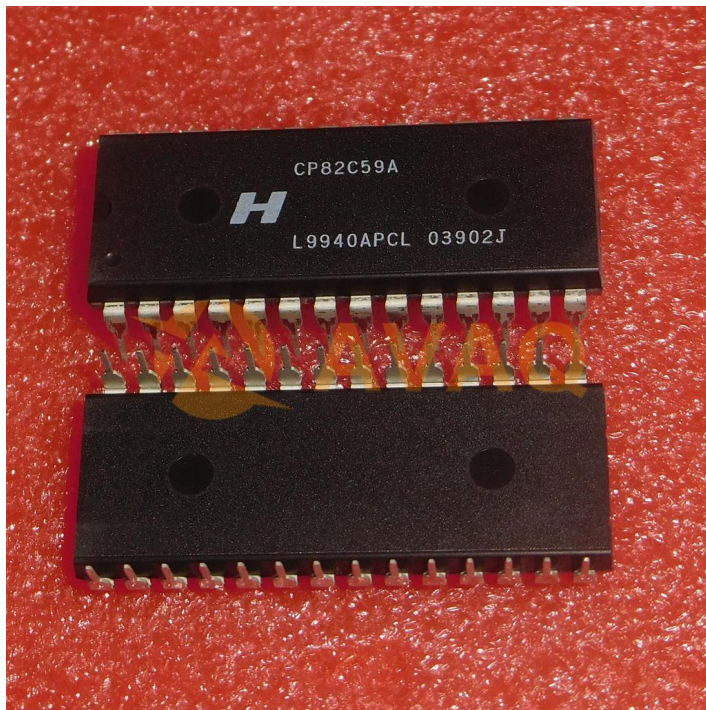
Low Power Operation

ICCSB 10 $\mu$ A Maximum

ICCOP 1mA/MHz Maximum

Single 5V Power Supply

Commercial, Industrial and Military Operating Temperature Ranges Available



## Recommended For You

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**CP82C59A-12Z**

Renesas Technology Corp  
DIP

**CS82C59A**

Renesas Technology Corp  
PLCC28

**EL5102ISZ**

Renesas Technology Corp  
SOP-8

**74CBTLV3257PGG8**

Renesas Technology Corp  
SSOP16

**HFA3096B**

Renesas Technology Corp  
SOP16

**EL5244CSZ**

Renesas Technology Corp  
SOP-8

**EL5262IY**

Renesas Technology Corp  
MSOP10

**HFA3127B96**

Renesas Technology Corp  
SOP-16

**49FCT3805DPYGI**

Renesas Technology Corp  
TSSOP-20

**2309-1HDCG**

Renesas Technology Corp  
SOIC-16

**CS82C59A-12**

Renesas Technology Corp  
PLCC-28

**EL5263IS**

Renesas Technology Corp  
SOP8

**HFA1109IBZ**

Renesas Technology Corp  
8-SOIC

**CS82C59AZ**

Renesas Technology Corp  
PLCC28

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Renesas Technology Corp  
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