



Image may be representation.  
See specifications for product details.



## HD64F7044F28V

Manufacturer Part Number	<b>HD64F7044F28V</b>
Manufacturer	<b>Renesas Electronics Corporation</b>
Allelco Part Number	32D-HD64F7044F28V
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 112QFP
Package	112-BQFP
Data sheet	HD64F7044F28V.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

HD64F7044F28V - Renesas Electronics America Inc. New Original in Stock. Download Linear Technology HD64F7044F28V datasheet/specifications on AllelcoElec.com. Request a quote for HD64F7044F28V, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

HD64F7044F28V Tech Specifications

HD64F7044F28V - Renesas Electronics America Inc technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Renesas Electronics Corporation	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	Operating Temperature	-20°C ~ 75°C (TA)
Supplier Device Package	112-QFP (20x20)	Number of I/O	74
Speed	28.7MHz	Mounting Type	Surface Mount
Series	SuperH® SH7040	EEPROM Size	-
RAM Size	4K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	SH-2
Peripherals	DMA, POR, PWM, WDT	Connectivity	EBI/EMI, SCI
Package / Case	112-BQFP	Base Product Number	HD64F7044
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Renesas Electronics America Inc HD64F7044F28V

Product Attribute				
Part Number	HD64F7044F28V	HD64F7046F50V	HD64F7017F28V	HD64F7044F28
Manufacturer	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc
Number of I/O	74	42	74	74
Supplier Device Package	112-QFP (20x20)	80-QFP (14x14)	112-QFP (20x20)	112-QFP (20x20)
Connectivity	EBI/EMI, SCI	SCI	EBI/EMI, SCI	EBI/EMI, SCI
Core Processor	SH-2	SH-2	SH-2	SH-2
Operating Temperature	-20°C ~ 75°C (TA)	-20°C ~ 75°C (TA)	-20°C ~ 75°C (TA)	-20°C ~ 75°C
RAM Size	4K x 8	12K x 8	4K x 8	4K x 8
Speed	28.7MHz	50MHz	28.7MHz	28.7MHz
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	128KB (128K x 8)	256KB (256K x 8)
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	4V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
EEPROM Size	-	-	-	-
Data Converters	A/D 8x10b	A/D 12x10b	A/D 8x10b	A/D 8x10b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	SuperH® SH7040	SuperH® SH7046	SuperH® SH7010	-
Base Product Number	HD64F7044	HD64F7046	HD64F7017	-
Peripherals	DMA, POR, PWM, WDT	POR, PWM, WDT	DMA, PWM, WDT	DMA, POR, PWM, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	-
Package / Case	112-BQFP	80-BQFP	112-BQFP	112-BQFP
Oscillator Type	Internal	Internal	Internal	Internal

### HD64F7044F28V Datasheet PDF

Download HD64F7044F28V pdf datasheets and Renesas Electronics America Inc documentation for HD64F7044F28V - Renesas Electronics America Inc.

#### PCN Packaging

Label Change-All Devices 01/Dec/2022.pdf





















Carrier Tape Update 29/Jul/2016.pdf

#### PCN Obsolescence/ EOL

Mult Dev EOL 15/Jun/2018.pdf

## Customers Also Interested in

### Recommended Products

					
					
<b>HD64F5398F16</b>	<b>HD64F7046F50V</b>	<b>HD64F7017F28V</b>	<b>HD64F7045F30</b>	<b>HD64F7044F28VSH2</b>	<b>HD64F7046F50</b>
Renesas Electronics Corporation	Renesas Electronics America Inc IC MCU 32BIT 256KB FLASH 80QFP	Renesas Electronics America Inc IC MCU 32BIT 128KB FLASH 112QFP	Renesas Electronics Corporation	Renesas Electronics Corporation	Renesas Electronics Corporation
					
<b>HD64F7047F40</b>	<b>HD64F7046FW50</b>	<b>HD64F7046FW50V</b>	<b>HD64F7044F28</b>	<b>HD64F7045AF30</b>	<b>HD64F7017F28</b>
Renesas Electronics Corporation	Renesas Electronics Corporation	Renesas Electronics Corporation	Renesas Electronics America Inc IC MCU 32BIT 256KB FLASH 112QFP	Renesas Electronics Corporation	Renesas Electronics Corporation
					
<b>HD64F61544A02FP#YV</b>	<b>HD64F7018TE20</b>	<b>HD64F7045F28V</b>	<b>HD64F7045F28</b>	<b>HD64F39087GHV</b>	<b>HD64F5388FJ16</b>
Renesas Electronics Corporation	Renesas Electronics Corporation	Renesas Electronics America Inc IC MCU 32BIT 256KB FLASH 144QFP	Renesas Electronics Corporation	Renesas Electronics Corporation	HITACHI

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

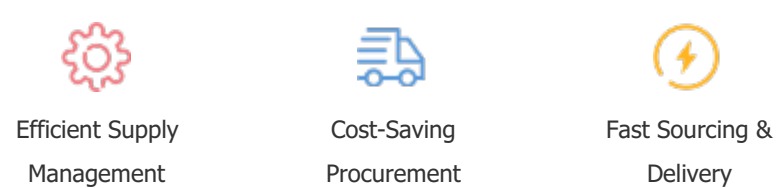
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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