

**DF2166VT33V Information**


For Reference Only

**Part Number** [DF2166VT33V](#)  
**Manufacturer** Renesas Electronics America  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 16BIT 512KB FLASH 144TQFP  
**Package** 144-TQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



[Request a Quote](#)

**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**DF2166VT33V Specifications**

Manufacturer Part Number	<a href="#">DF2166VT33V</a>
Manufacturer	Renesas Electronics America
Category	Integrated Circuits (ICs) <a href="#">Embedded - Microcontrollers</a>
Package	144-TQFP
Series	H8? H8S/2100
Core Processor	H8S/2000
Core Size	16-Bit
Speed	33MHz
Connectivity	I2C, IrDA, LPC, SCI, SmartCard
Peripherals	POR, PWM, WDT
Number of I/O	106
Program Memory Size	512KB (512K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	40K x 8
Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Data Converters	A/D 8x10b; D/A 2x8b
Oscillator Type	External
Operating Temperature	-20°C ~ 75°C (TA)
Mounting Type	-
Package / Case	144-TQFP
Supplier Device Package	144-TQFP (16x16)

[Report errors?](#)

## DF2166VT33V Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## DF2166VT33V Payment Methods



## DF2166VT33V Shipping Methods



If you have any question about DF2166VT33V, please do not hesitate to contact us!

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