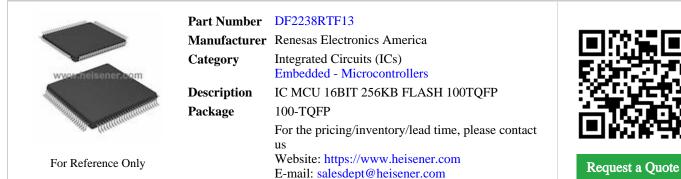


## DF2238RTF13

## **DF2238RTF13 Information**



## **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.



## **DF2238RTF13** Specifications

Manufacturer Part Number	DF2238RTF13
Manufacturer	Renesas Electronics America
Category	Integrated Circuits (ICs)
	Embedded - Microcontrollers
Package	100-TQFP
Series	H8? H8S/2200
Core Processor	H8S/2000
Core Size	16-Bit
Speed	13MHz
Connectivity	I2C, SCI, SmartCard
Peripherals	POR, PWM, WDT
Number of I/O	72
Program Memory Size	256KB (256K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	16K x 8
Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Data Converters	A/D 8x10b; D/A 2x8b
Oscillator Type	Internal
Operating Temperature	-20°C ~ 75°C (TA)
Mounting Type	-
Package / Case	100-TQFP
Supplier Device Package	100-TQFP (12x12)
	Report errors?

#### **DF2238RTF13** 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## DF2238RTF13 Payment Methods



## **DF2238RTF13** Shipping Methods



If you have any question about DF2238RTF13, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com