

DF2238RTF13V



Part Number: [DF2238RTF13V](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 256KB FLASH 100TQFP

Data sheet:  [H8S/2258,2239/8/7,2227 Groups Hrdw Manual](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DF2238RTF13V	Manufacturer	Renesas Electronics America
Description	IC MCU 16BIT 256KB FLASH 100TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8072 pcs	Data sheet	H8S/2258,2239/8/7,2227 Groups Hrdw Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Supplier Device Package	100-TQFP (12x12)	Speed	13MHz
Series	H8® H8S/2200	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	POR, PWM, WDT	Packaging	Tray
Package / Case	100-TQFP	Other Names	HD64F2238RTF13V
Oscillator Type	Internal	Operating Temperature	-20°C ~ 75°C (TA)
Number of I/O	72	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	H8S/2000 H8® H8S/2200 Microcontroller IC 16-Bit 13MHz 256KB (256K x 8) FLASH 100-TQFP (12x12)	Data Converters	A/D 8x10b; D/A 2x8b
Core Size	16-Bit	Core Processor	H8S/2000
Connectivity	I²C, SCI, SmartCard	Base Part Number	DF2238
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	Part#: DF2239TE16V Description: IC MCU 16BIT 384KB FLASH 100TQFP	Manufacturers: Renesas Electronics America	RFQ

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