



R5F64187DFD#U0 Information

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Part Number R5F64187DFD#U0

Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers

IC MCU SMD

Description 144-LQFP **Package**

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only E-mail: salesdept@heisener.com



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R5F64187DFD#U0 Specifications

Manufacturer Part Number R5F64187DFD#U0 Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Package 144-LQFP Series M16C/R32C/100/118 Core Processor R32C/100 Core Size 16/32-Bit Speed 50MHz Connectivity CANbus, EBI/EMI, PC, IEBus, UART/USART Peripherals DMA, LVD, PWM, WDT Number of I/O 120 Program Memory Size 640KB (640K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LQFP	•		
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Core Processor R32C/100 Core Size 16/32-Bit Speed 50MHz Connectivity CANbus, EBI/EMI, I²C, IEBus, UART/USART Peripherals DMA, LVD, PWM, WDT Number of I/O 120 Program Memory Size 640KB (640K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Package	144-LQFP	
Core Size 16/32-Bit Speed 50MHz Connectivity CANbus, EBI/EMI, IPC, IEBus, UART/USART Peripherals DMA, LVD, PWM, WDT Number of I/O 120 Program Memory Size 640KB (640K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Series	M16C/R32C/100/118	
Speed50MHzConnectivityCANbus, EBI/EMI, IPC, IEBus, UART/USARTPeripheralsDMA, LVD, PWM, WDTNumber of I/O120Program Memory Size640KB (640K x 8)Program Memory TypeFLASHEEPROM Size8K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)3V ~ 5.5VData ConvertersA/D 34x10b; D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LFQFP (20x20)	Core Processor	R32C/100	
Connectivity CANbus, EBI/EMI, I²C, IEBus, UART/USART Peripherals DMA, LVD, PWM, WDT Number of I/O 120 Program Memory Size 640KB (640K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package	Core Size	16/32-Bit	
Peripherals DMA, LVD, PWM, WDT Number of I/O 120 Program Memory Size 640KB (640K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Speed	50MHz	
Number of I/O Program Memory Size 640KB (640K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Connectivity	CANbus, EBI/EMI, I2C, IEBus, UART/USART	
Program Memory Size 640KB (640K x 8) Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Peripherals	DMA, LVD, PWM, WDT	
Program Memory Type FLASH EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Number of I/O	120	
EEPROM Size 8K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Program Memory Size	640KB (640K x 8)	
RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3V ~ 5.5V Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd) $3V \sim 5.5V$ Data ConvertersA/D $34x10b$; D/A $2x8b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case 144-LQFP Supplier Device Package 144-LFQFP ($20x20$)	EEPROM Size	8K x 8	
Data Converters A/D 34x10b; D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	RAM Size	48K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	
Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Data Converters	A/D 34x10b; D/A 2x8b	
Mounting Type Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Oscillator Type	Internal	
Package / Case 144-LQFP Supplier Device Package 144-LFQFP (20x20)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 144-LFQFP (20x20)	Mounting Type	Surface Mount	
	Package / Case	144-LQFP	
Report errors?	Supplier Device Package	144-LFQFP (20x20)	
			Report errors?

R5F64187DFD#U0 Guarantees



Quality Guarantees

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Service Guarantees

We guarantee 100% customer satisfaction.

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

R5F64187DFD#U0 Payment Methods





















R5F64187DFD#U0 Shipping Methods













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