

Renesas Electronics America

## R5F21227KFP#U1

Part Number: R5F21227KFP#U1  
 Manufacturer/Brand: Renesas Electronics America  
 Product description: IC MCU 16BIT 48KB FLASH 48LFQFP  
 Datasheets: [1.R5F21227KFP#U1.pdf](#)  
[2.R5F21227KFP#U1.pdf](#)  
 RoHs Status: Lead free / RoHS Compliant  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of R5F21227KFP#U1

PART NUMBER	R5F21227KFP#U1
MANUFACTURER	Renesas Electronics America
DESCRIPTION	IC MCU 16BIT 48KB FLASH 48LFQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.R5F21227KFP#U1.pdf</a> <a href="#">2.R5F21227KFP#U1.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	2.7 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	48-LFQFP (7x7)
SPEED	16MHz
SERIES	R8C/2x/22
RAM SIZE	2.5K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	48KB (48K x 8)
PERIPHERALS	POR, Voltage Detect, WDT
PACKAGING	Tray
PACKAGE / CASE	48-LQFP
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	41
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	R8C R8C/2x/22 Microcontroller IC 16-Bit 16MHz 48KB (48K x 8) FLASH 48-LFQFP (7x7)
DATA CONVERTERS	A/D 12x10b
CORE SIZE	16-Bit
CORE PROCESSOR	R8C
CONNECTIVITY	CANbus, I <sup>2</sup> C, LINbus, SIO, SSU, UART/USART
BASE PART NUMBER	R5F21227

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