



### R5F2120AKFP#U0 Information



For Reference Only

Part Number R5F2120AKFP#U0

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

**Description** IC MCU 16BIT 96KB FLASH 48LFQFP

Package 48-LQFP

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: 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.









## R5F2120AKFP#U0 Specifications

Manufacturer Part Number  Manufacturer  Renesas Electronics America  Integrated Circuits (ICs)  Embedded - Microcontrollers  Package  48-LQFP  Series  R8C/2x/20  Core Processor  R8C  Core Size  16-Bit  Speed  20MHz  Connectivity  I2C, LIN, SIO, SSU, UART/USART  Peripherals  POR, Voltage Detect, WDT  Number of I/O  41  Program Memory Size  Program Memory Type  FLASH  EEPROM Size  RAM Size  Program Series  Renesas Electronics America  Renesas Electronics America  1. Integrated Circuits (ICs)  Embedded - Microcontrollers  A8-LQFP  88-C  20WH2  20MHz  20MHz  20MHz  20HZ  20	1	
Category Integrated Circuits (ICs) Embedded - Microcontrollers  Package 48-LQFP Series R8C/2x/20 Core Processor R8C Core Size 16-Bit Speed 20MHz Connectivity I2C, LIN, SIO, SSU, UART/USART Peripherals POR, Voltage Detect, WDT Number of I/O 41 Program Memory Size 96KB (96K x 8) Program Memory Type EEPROM Size -	Manufacturer Part Number	R5F2120AKFP#U0
Embedded - Microcontrollers  Package 48-LQFP  Series R8C/2x/20  Core Processor R8C  Core Size 16-Bit  Speed 20MHz  Connectivity I2C, LIN, SIO, SSU, UART/USART  Peripherals POR, Voltage Detect, WDT  Number of I/O 41  Program Memory Size 96KB (96K x 8)  Program Memory Type FLASH  EEPROM Size -	Manufacturer	Renesas Electronics America
Package 48-LQFP Series R8C/2x/20 Core Processor R8C Core Size 16-Bit Speed 20MHz Connectivity I2C, LIN, SIO, SSU, UART/USART Peripherals POR, Voltage Detect, WDT Number of I/O 41 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size -	Category	Integrated Circuits (ICs)
SeriesR8C/2x/20Core ProcessorR8CCore Size16-BitSpeed20MHzConnectivityI2C, LIN, SIO, SSU, UART/USARTPeripheralsPOR, Voltage Detect, WDTNumber of I/O41Program Memory Size96KB (96K x 8)Program Memory TypeFLASHEEPROM Size-		Embedded - Microcontrollers
Core Processor Core Size 16-Bit Speed 20MHz Connectivity I2C, LIN, SIO, SSU, UART/USART Peripherals POR, Voltage Detect, WDT Number of I/O Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size -	Package	48-LQFP
Core Size 16-Bit  Speed 20MHz  Connectivity I2C, LIN, SIO, SSU, UART/USART  Peripherals POR, Voltage Detect, WDT  Number of I/O 41  Program Memory Size 96KB (96K x 8)  Program Memory Type FLASH  EEPROM Size -	Series	R8C/2x/20
Speed 20MHz Connectivity I2C, LIN, SIO, SSU, UART/USART Peripherals POR, Voltage Detect, WDT Number of I/O 41 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size -	Core Processor	R8C
Connectivity I2C, LIN, SIO, SSU, UART/USART  Peripherals POR, Voltage Detect, WDT  Number of I/O 41  Program Memory Size 96KB (96K x 8)  Program Memory Type FLASH  EEPROM Size -	Core Size	16-Bit
Peripherals POR, Voltage Detect, WDT  Number of I/O 41  Program Memory Size 96KB (96K x 8)  Program Memory Type FLASH  EEPROM Size -	Speed	20MHz
Number of I/O 41  Program Memory Size 96KB (96K x 8)  Program Memory Type FLASH  EEPROM Size -	Connectivity	I2C, LIN, SIO, SSU, UART/USART
Program Memory Size 96KB (96K x 8)  Program Memory Type FLASH  EEPROM Size -	Peripherals	POR, Voltage Detect, WDT
Program Memory Type FLASH EEPROM Size -	Number of I/O	41
EEPROM Size -	Program Memory Size	96KB (96K x 8)
	Program Memory Type	FLASH
RAM Size 5K x 8	EEPROM Size	-
	RAM Size	5K x 8
Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Data Converters A/D 12x10b	Data Converters	A/D 12x10b
Oscillator Type Internal	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type -	Mounting Type	-
Package / Case 48-LQFP	Package / Case	48-LQFP
Supplier Device Package 48-LFQFP (7x7)	Supplier Device Package	48-LFQFP (7x7)
Report errors?		Report errors?

#### R5F2120AKFP#U0 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.

## R5F2120AKFP#U0 Payment Methods



















### R5F2120AKFP#U0 Shipping Methods













If you have any question about R5F2120AKFP#U0, please do not hesitate to contact us!

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