



#### R5F10Y44ASP#50 Information



For Reference Only

Part Number R5F10Y44ASP#50

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 16BIT 1KB FLASH 16SSOP **Package** 16-SSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **R5F10Y44ASP#50 Specifications**

Manufacturer Part Number         RSF10Y44ASP#50           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         16-SSOP (0.173", 4.40mm Width)           Series         RL78/G10           Core Processor         RL78           Core Size         16-Bit           Speed         20MHz           Connectivity         CSI, 12C, LIN, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         10           Program Memory Size         1KB (1K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         128 x 8           Voltage - Supply (Vcc/Vdd)         2 V ~ 5.5 V           Data Converters         A/D 7x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         16-SSOP (0.173", 4.40mm Width)	•	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         16-SSOP (0.173", 4.40mm Width)           Series         RL78/G10           Core Processor         RL78           Core Size         16-Bit           Speed         20MHz           Connectivity         CSI, 12C, LIN, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         10           Program Memory Size         1KB (1K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         128 x 8           Voltage - Supply (Vcc/Vdd)         2 V ~ 5.5 V           Data Converters         A/D 7x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -	Manufacturer Part Number	R5F10Y44ASP#50
Backage         16-SSOP (0.173", 4.40mm Width)           Series         RL78/G10           Core Processor         RL78           Core Size         16-Bit           Speed         20MHz           Connectivity         CSI, 12C, LIN, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         10           Program Memory Size         1KB (1K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         128 x 8           Voltage - Supply (Vcc/Vdd)         2 V ~ 5.5 V           Data Converters         A/D 7x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -	Manufacturer	Renesas Electronics America
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Series         RL78/G10           Core Processor         RL78           Core Size         16-Bit           Speed         20MHz           Connectivity         CSI, 12C, LIN, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         10           Program Memory Size         1KB (1K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         128 x 8           Voltage - Supply (Vcc/Vdd)         2 V ~ 5.5 V           Data Converters         A/D 7x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -		Embedded - Microcontrollers
Core ProcessorRL78Core Size $16\text{-Bit}$ Speed $20\text{MHz}$ Connectivity $CSI, 12C, LIN, UART/USART$ Peripherals $DMA, LVD, POR, PWM, WDT$ Number of $I/O$ $10$ Program Memory Size $1KB (1K \times 8)$ Program Memory Type $FLASH$ EEPROM Size-RAM Size $128 \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 7x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} (TA)$ Mounting Type-	Package	16-SSOP (0.173", 4.40mm Width)
Core Size16-BitSpeed20MHzConnectivityCSI, I2C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O10Program Memory Size1KB (1K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 7x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Series	RL78/G10
Speed20MHzConnectivityCSI, I2C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O10Program Memory Size1KB (1K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.5 VData ConvertersA/D 7x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Core Processor	RL78
Connectivity  CSI, I2C, LIN, UART/USART  Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  10  Program Memory Size  1KB (1K x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  128 x 8  Voltage - Supply (Vcc/Vdd)  2 V ~ 5.5 V  Data Converters  A/D 7x8/10b  Oscillator Type  Internal  Operating Temperature  Mounting Type  -  CSI, I2C, LIN, UART/USART  DMA, LVD, POR, PWM, WDT  10  10  10  10  Program Memory Type  1KB (1K x 8)  FLASH  2 V ~ 5.5 V  A/D 7x8/10b  Internal  -40°C ~ 85°C (TA)  Mounting Type  -	Core Size	16-Bit
Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  10  Program Memory Size  1KB (1K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  128 x 8  Voltage - Supply (Vcc/Vdd)  2 V ~ 5.5 V  Data Converters  A/D 7x8/10b  Oscillator Type  Internal  Operating Temperature  40°C ~ 85°C (TA)  Mounting Type  -	Speed	20MHz
Number of I/O  Program Memory Size  1KB (1K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  128 x 8  Voltage - Supply (Vcc/Vdd)  2 V ~ 5.5 V  Data Converters  A/D 7x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  -	Connectivity	CSI, I2C, LIN, UART/USART
Program Memory Size  Program Memory Type  FLASH  EEPROM Size  RAM Size  128 x 8  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 7x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  -  IKB (1K x 8)  FLASH  FLASH  -  Internal  -40°C ~ 85°C (TA)	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory Type FLASH  EEPROM Size -  RAM Size 128 x 8  Voltage - Supply (Vcc/Vdd) 2 V ~ 5.5 V  Data Converters A/D 7x8/10b  Oscillator Type Internal  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -	Number of I/O	10
EEPROM Size - 128 x 8  Voltage - Supply (Vcc/Vdd) 2 V ~ 5.5 V  Data Converters A/D 7x8/10b  Oscillator Type Internal  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -	Program Memory Size	1KB (1K x 8)
RAM Size $128 \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 7 \times 8/10 \text{b}$ Oscillator Type $Internal$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type $-$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $7x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-	EEPROM Size	-
Data ConvertersA/D $7x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type $-$	RAM Size	128 x 8
Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Mounting Type -	Voltage - Supply (Vcc/Vdd)	2 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Mounting Type $-$	Data Converters	A/D 7x8/10b
Mounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 85°C (TA)
Package / Case 16-SSOP (0.173", 4.40mm Width)	Mounting Type	-
	Package / Case	16-SSOP (0.173", 4.40mm Width)
Supplier Device Package 16-SSOP	Supplier Device Package	16-SSOP
Report errors?		Report errors?

#### R5F10Y44ASP#50 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.

### R5F10Y44ASP#50 Payment Methods





















## R5F10Y44ASP#50 Shipping Methods













If you have any question about R5F10Y44ASP#50, please do not hesitate to contact us!

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