

RENESAS

Renesas Electronics America

### R5F104GHANA#U0

Part Number: R5F104GHANA#U0  
 Manufacturer/Brand: Renesas Electronics America  
 Product description: IC MCU 16BIT 192KB FLASH 48HWQFN  
 Datasheets: [1.R5F104GHANA#U0.pdf](#)  
[2.R5F104GHANA#U0.pdf](#)  
[3.R5F104GHANA#U0.pdf](#)  
 RoHS Status: Lead free / RoHS Compliant  
 Stock Condition: 29331 pcs stock  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

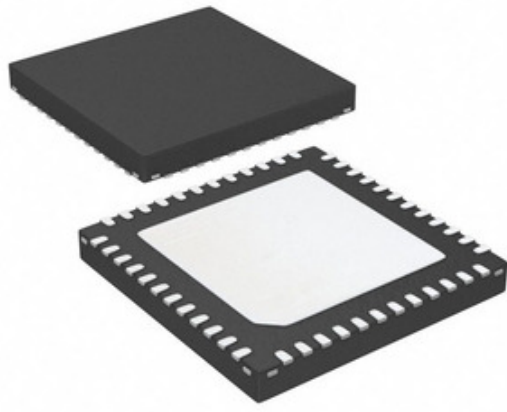


Image may be representation. See specifications for product details.

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#### Specifications of R5F104GHANA#U0

PART NUMBER	R5F104GHANA#U0
MANUFACTURER	Renesas Electronics America
DESCRIPTION	IC MCU 16BIT 192KB FLASH 48HWQFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	29331 pcs
DATA SHEET	<a href="#">1.R5F104GHANA#U0.pdf</a> <a href="#">2.R5F104GHANA#U0.pdf</a> <a href="#">3.R5F104GHANA#U0.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.6 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	48-HWQFN (7x7)
SPEED	32MHz
SERIES	RL78/G14
RAM SIZE	20K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	192KB (192K x 8)
PERIPHERALS	DMA, LVD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	48-WFQFN Exposed Pad
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	34
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	8K x 8
DETAILED DESCRIPTION	RL78 RL78/G14 Microcontroller IC 16-Bit 32MHz 192KB (192K x 8) FLASH 48-HWQFN (7x7)
DATA CONVERTERS	A/D 10x8/10b, D/A 2x8b
CORE SIZE	16-Bit
CORE PROCESSOR	RL78
CONNECTIVITY	CSI, I <sup>2</sup> C, LINbus, UART/USART

#### Related Tags

Renesas Electronics America R5F104GHANA#U0	R5F104GHANA#U0 Distributor	R5F104GHANA#U0 Supplier
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#### Related Products

<p><b>R5F104GHDFB#30</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 48LFQFP                  In stock: 3318 pcs  <a href="#">RFQ</a></p>	<p><b>R5F104GGDFB#V0</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT                  In stock: 6847 pcs  <a href="#">RFQ</a></p>
<p><b>R5F104GGANA#U0</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 128KB FLASH 48HWQFN                  In stock: 28485 pcs  <a href="#">RFQ</a></p>	<p><b>R5F104GJAFB#V0</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 256KB FLASH 48LFQFP                  In stock: 17605 pcs  <a href="#">RFQ</a></p>
<p><b>R5F104GHAFB#30</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 48LFQFP                  In stock: 5112 pcs  <a href="#">RFQ</a></p>	<p><b>R5F104GGGFB#V0</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 128KB FLASH 48LFQFP                  In stock: 35392 pcs  <a href="#">RFQ</a></p>
<p><b>R5F104GJAFB#30</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 48LFQFP                  In stock: 6832 pcs  <a href="#">RFQ</a></p>	<p><b>R5F104GGDFB#30</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 48LFQFP                  In stock: 5298 pcs  <a href="#">RFQ</a></p>
<p><b>R5F104GHAFB#V0</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 192KB FLASH 48LFQFP                  In stock: 40210 pcs  <a href="#">RFQ</a></p>	<p><b>R5F104GHGFB#V0</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 48LFQFP                  In stock: 3431 pcs  <a href="#">RFQ</a></p>
<p><b>R5F104GJAFB#50</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT 48LFQFP                  In stock: 6998 pcs  <a href="#">RFQ</a></p>	<p><b>R5F104GHDFB#V0</b>                  Manufacturers: Renesas Electronics America                  Description: IC MCU 16BIT                  In stock: 6536 pcs  <a href="#">RFQ</a></p>