



R5F100LCDFB#50 Information

Heisener.com

Part Number R5F100LCDFB#50

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 48LFQFP

Package 64-LQFP

For the pricing/inventory/lead time, please contact

us

For Reference Only

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.









R5F100LCDFB#50 Specifications

Manufacturer Part Number R5F100LCDFB#50 Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-LQFP Series RL78/G13 Core Processor RL78 Core Size 16-Bit Speed 32MHz Connectivity CSI, PC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 48 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case 64-LOFP	•	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-LQFP Series RL78/G13 Core Processor RL78 Core Size 16-Bit Speed 32MHz Connectivity CSI, PC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 48 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Manufacturer Part Number	R5F100LCDFB#50
Package 64-LQFP Series RL78/G13 Core Processor RL78 Core Size 16-Bit Speed 32MHz Connectivity CSI, PC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 48 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Manufacturer	Renesas Electronics America
Package 64-LQFP Series RL78/G13 Core Processor RL78 Core Size 16-Bit Speed 32MHz Connectivity CSI, PC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 48 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Category	Integrated Circuits (ICs)
SeriesRL78/G13Core ProcessorRL78Core Size 16 -BitSpeed 32 MHzConnectivityCSI, I°C, LINbus, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O 48 Program Memory Size 32 KB $(32$ K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size 2 K x 8Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 VData Converters A /D 12 x8/10bOscillator TypeInternalOperating Temperature -40° C ~ 85° C (TA)Mounting Type-		Embedded - Microcontrollers
Core ProcessorRL78Core Size16-BitSpeed32MHzConnectivityCSI, I²C, LINbus, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O48Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.6 V ~ 5.5 VData ConvertersA/D 12x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Package	64-LQFP
Core Size 16-Bit Speed 32MHz Connectivity CSI, I*C, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 48 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Series	RL78/G13
Speed32MHzConnectivityCSI, IPC, LINbus, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O48Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.6 V ~ 5.5 VData ConvertersA/D 12x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Core Processor	RL78
Connectivity CSI, PC, LINbus, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 48 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature Mounting Type - "SINDBUS AND TO SHART (USART) DMA, LVD, POR, PWM, WDT 48 A/B (32K x 8) FLASH - LASH - L	Core Size	16-Bit
Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 48 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type -	Speed	32MHz
Number of I/O Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Connectivity	CSI, I ² C, LINbus, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type -	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size $2K \times 8$ Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $12x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-	Number of I/O	48
EEPROM Size - 2K x 8 Voltage - Supply (Vcc/Vdd) 1.6 V ~ 5.5 V Data Converters A/D 12x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Program Memory Size	32KB (32K x 8)
RAM Size $2K \times 8$ $Voltage - Supply (Vcc/Vdd) \qquad 1.6 \ V \sim 5.5 \ V$ $Data Converters \qquad A/D \ 12x8/10b$ $Oscillator Type \qquad Internal$ $Operating Temperature \qquad -40^{\circ}C \sim 85^{\circ}C \ (TA)$ $Mounting Type \qquad -$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.6 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $12x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-	EEPROM Size	-
Data ConvertersA/D $12x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-	RAM Size	2K x 8
Oscillator Type Internal $ -40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)} $ Mounting Type $ -$	Voltage - Supply (Vcc/Vdd)	1.6 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Mounting Type $-$	Data Converters	A/D 12x8/10b
Mounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 85°C (TA)
Package / Case 64-LOFP	Mounting Type	-
	Package / Case	64-LQFP
Supplier Device Package 64-LQFP (10x10)	Supplier Device Package	64-LQFP (10x10)
Report errors?		Report errors?

R5F100LCDFB#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.

R5F100LCDFB#50 Payment Methods



















R5F100LCDFB#50 Shipping Methods













If you have any question about R5F100LCDFB#50, please do not hesitate to contact us!

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