



HD64F7046F50V Information



For Reference Only

Part Number HD64F7046F50V

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)Embedded - Microcontrollers

Description IC MCU 32BIT 256KB FLASH 80QFP

Package 80-BQFP

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.









HD64F7046F50V Specifications

Manufacturer Part Number HD64F7046F50V Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 80-BQFP Series SuperH? SH7046 Core Processor SH-2 Core Size 32-Bit Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	•	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 80-BQFP Series SuperH? SH7046 Core Processor SH-2 Core Size 32-Bit Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Manufacturer Part Number	HD64F7046F50V
Package 80-BQFP Series SuperH? SH7046 Core Processor SH-2 Core Size 32-Bit Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Manufacturer	Renesas Electronics America
Package 80-BQFP Series SuperH? SH7046 Core Processor SH-2 Core Size 32-Bit Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Category	Integrated Circuits (ICs)
Series SuperH? SH7046 Core Processor SH-2 Core Size 32-Bit Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)		Embedded - Microcontrollers
Core Processor SH-2 Core Size 32-Bit Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Package	80-BQFP
Core Size 32-Bit Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Series	SuperH? SH7046
Speed 50MHz Connectivity SCI Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-GFP (14x14)	Core Processor	SH-2
Connectivity Peripherals POR, PWM, WDT Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type Package / Case S0-BQFP Supplier Device Package	Core Size	32-Bit
Peripherals Number of I/O 42 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case Supplier Device Package 80-QFP (14x14)	Speed	50MHz
Number of I/O42Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size12K x 8Voltage - Supply (Vcc/Vdd)4 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-20°C ~ 75°C (TA)Mounting Type-Package / Case80-BQFPSupplier Device Package80-QFP (14x14)	Connectivity	SCI
Program Memory Size Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package	Peripherals	POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type - Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Number of I/O	42
EEPROM Size - 12K x 8 Voltage - Supply (Vcc/Vdd) 4 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -20°C ~ 75°C (TA) Mounting Type Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Program Memory Size	256KB (256K x 8)
RAM Size $12K \times 8$ Voltage - Supply (Vcc/Vdd) $4 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 12x10b$ Oscillator Type Internal $-20^{\circ}\text{C} \sim 75^{\circ}\text{C} \text{ (TA)}$ Mounting Type $-$ Package / Case 80-BQFP Supplier Device Package	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $4\ V \sim 5.5\ V$ Data Converters $A/D\ 12x10b$ Oscillator Type $Internal$ Operating Temperature $-20^{\circ}C \sim 75^{\circ}C\ (TA)$ Mounting Type $-$ Package / Case 80-BQFP Supplier Device Package	EEPROM Size	-
Data ConvertersA/D $12x10b$ Oscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 80-BQFP Supplier Device Package 80-QFP ($14x14$)	RAM Size	12K x 8
Oscillator TypeInternalOperating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Voltage - Supply (Vcc/Vdd)	4 V ~ 5.5 V
Operating Temperature $-20^{\circ}\text{C} \sim 75^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case80-BQFPSupplier Device Package80-QFP (14x14)	Data Converters	A/D 12x10b
Mounting Type Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Oscillator Type	Internal
Package / Case 80-BQFP Supplier Device Package 80-QFP (14x14)	Operating Temperature	-20°C ~ 75°C (TA)
Supplier Device Package 80-QFP (14x14)	Mounting Type	-
	Package / Case	80-BQFP
Report errors?	Supplier Device Package	80-QFP (14x14)
		Report errors?

HD64F7046F50V 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.

HD64F7046F50V Payment Methods



















HD64F7046F50V Shipping Methods













If you have any question about HD64F7046F50V, please do not hesitate to contact us!

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