



DF7055SF40KNV Information



For Reference Only

Part Number DF7055SF40KNV

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 512KB FLASH 256QFP

Package 256-BQFF

For the pricing/inventory/lead time, please contact

us

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



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DF7055SF40KNV Specifications

Manufacturer Part Number DF7055SF40KNV Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Embedded - Microcontrollers Series 256-BQFP Scries SuperH? SH7050 Core Processor SH-2E Core Size 32-Bit Speed 40MHz Connectivity CAN, EBI/EMI, SCI Peripherals DMA, POR, PWM, WDT Number of I/O 149 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	•	
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Series SuperH? SH7050 Core Processor SH-2E Core Size 32-Bit Speed 40MHz Connectivity CAN, EBI/EMI, SCI Peripherals DMA, POR, PWM, WDT Number of I/O 149 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)		Embedded - Microcontrollers
Core Processor SH-2E Core Size 32-Bit Speed 40MHz Connectivity CAN, EBI/EMI, SCI Peripherals DMA, POR, PWM, WDT Number of I/O 149 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	Package	256-BQFP
Core Size 32-Bit Speed 40MHz Connectivity CAN, EBI/EMI, SCI Peripherals DMA, POR, PWM, WDT Number of I/O 149 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	Series	SuperH? SH7050
Speed40MHzConnectivityCAN, EBI/EMI, SCIPeripheralsDMA, POR, PWM, WDTNumber of I/O149Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case256-BQFPSupplier Device Package256-QFP (40x28)	Core Processor	SH-2E
Connectivity CAN, EBI/EMI, SCI Peripherals DMA, POR, PWM, WDT Number of I/O 149 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case Supplier Device Package 256-BQFP Supplier Device Package	Core Size	32-Bit
Peripherals Number of I/O 149 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature 40°C ~ 125°C (TA) Mounting Type - Package / Case Supplier Device Package 256-BQFP (40x28)	Speed	40MHz
Number of I/O Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case Supplier Device Package 256-QFP (40x28)	Connectivity	CAN, EBI/EMI, SCI
Program Memory Size FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters Operating Temperature A/D 32x10b Mounting Type - Package / Case Supplier Device Package 512KB (512K x 8) FLASH FLASH FLASH FLASH A/D 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V A/D 32x10b Internal -40°C ~ 125°C (TA)	Peripherals	DMA, POR, PWM, WDT
Program Memory Type EEPROM Size RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case Supplier Device Package FLASH FLASH FLASH FLASH	Number of I/O	149
EEPROM Size - 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	Program Memory Size	512KB (512K x 8)
RAM Size Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 32x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case256-BQFPSupplier Device Package256-QFP (40x28)	EEPROM Size	-
Data ConvertersA/D 32x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case256-BQFPSupplier Device Package256-QFP (40x28)	RAM Size	32K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	Data Converters	A/D 32x10b
Mounting Type - Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	Oscillator Type	Internal
Package / Case 256-BQFP Supplier Device Package 256-QFP (40x28)	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 256-QFP (40x28)	Mounting Type	-
	Package / Case	256-BQFP
	Supplier Device Package	256-QFP (40x28)
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DF7055SF40KNV Guarantees



Quality Guarantees

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Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

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DF7055SF40KNV Shipping Methods













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