



### **Z8F0812SJ020SG Information**



For Reference Only

Part Number Z8F0812SJ020SG

Manufacturer Zilog

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description**IC MCU 8BIT 8KB FLASH 28SOIC**Package**28-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **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.









## **Z8F0812SJ020SG Specifications**

Manufacturer Part Number         Z8F0812SJ020SG           Manufacturer         Zilog           Category         Integrated Circuits (ICs)           Fackage         28-SOIC (0.295", 7.50mm Width)           Series         Encore!? XP?           Core Processor         eZ8           Core Size         8-Bit           Speed         20MHz           Connectivity         12C, IrDA, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         19           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         1K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         -           Oscillator Type         Internal           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         -           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         -           Report errors?	•	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         28-SOIC (0.295", 7.50mm Width)           Series         Encore!? XP?           Core Processor         eZ8           Core Size         8-Bit           Speed         20MHz           Connectivity         I2C, IrDA, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         19           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         IK x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         -           Oscillator Type         Internal           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         -           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         -	Manufacturer Part Number	Z8F0812SJ020SG
Embedded - Microcontrollers           Package         28-SOIC (0.295", 7.50mm Width)           Series         Encore!? XP?           Core Processor         eZ8           Core Size         8-Bit           Speed         20MHz           Connectivity         I2C, IrDA, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         19           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         1K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         -           Oscillator Type         Internal           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         -           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         -	Manufacturer	Zilog
Package         28-SOIC (0.295", 7.50mm Width)           Series         Encore!? XP?           Core Processor         eZ8           Core Size         8-Bit           Speed         20MHz           Connectivity         I2C, IrDA, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         19           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         1K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         -           Oscillator Type         Internal           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         -           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         -	Category	Integrated Circuits (ICs)
SeriesEncore!? XP?Core ProcessoreZ8Core Size8-BitSpeed20MHzConnectivityI2C, IrDA, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O19Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package-		Embedded - Microcontrollers
Core ProcessoreZ8Core Size8-BitSpeed20MHzConnectivityI2C, IrDA, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O19Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package-	Package	28-SOIC (0.295", 7.50mm Width)
Core Size  Speed  20MHz  Connectivity  12C, IrDA, SPI, UART/USART  Peripherals  Brown-out Detect/Reset, POR, PWM, WDT  Number of I/O  19  Program Memory Size  8KB (8K x 8)  Program Memory Type  FLASH  EEPROM Size  - RAM Size  1K x 8  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 3.6 V  Data Converters  Oscillator Type  Internal  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  - Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Series	Encore!? XP?
Speed 20MHz Connectivity I2C, IrDA, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 19 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package -	Core Processor	eZ8
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 19 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Core Size	8-Bit
Peripherals  Brown-out Detect/Reset, POR, PWM, WDT  Number of I/O  19  Program Memory Size  8KB (8K x 8)  Program Memory Type  FLASH  EEPROM Size  - RAM Size  1K x 8  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 3.6 V  Data Converters  - Oscillator Type  Internal  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  - Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package  -	Speed	20MHz
Number of I/O Program Memory Size  8KB (8K x 8)  Program Memory Type FLASH  EEPROM Size - RAM Size 1K x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V  Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package -	Connectivity	I2C, IrDA, SPI, UART/USART
Program Memory Size  Program Memory Type  FLASH  EEPROM Size  RAM Size  1K x 8  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 3.6 V  Data Converters  - Oscillator Type  Internal  Operating Temperature  Mounting Type  - Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package  -	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type  EEPROM Size  RAM Size  1K x 8  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 3.6 V  Data Converters  - Oscillator Type  Internal  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  - Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package  -	Number of I/O	19
EEPROM Size - RAM Size 1K x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V  Data Converters - Coscillator Type Internal  Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package - Coscillator Package / Case - Coscillator Converted Package / Case - Coscillator Converted Package - Coscillator Coscillator Converted Package - Coscillator	Program Memory Size	8KB (8K x 8)
RAM Size 1K x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 3.6 V  Data Converters - Oscillator Type Internal  Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package -	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.7 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package-	EEPROM Size	-
Data Converters  Oscillator Type  Internal  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  - Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package  -	RAM Size	1K x 8
Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package -	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package -	Data Converters	-
Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package -	Oscillator Type	Internal
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package -	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package -	Mounting Type	-
	Package / Case	28-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	-
		Report errors?

#### **Z8F0812SJ020SG 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.

## **Z8F0812SJ020SG Payment Methods**



















## **Z8F0812SJ020SG Shipping Methods**













If you have any question about Z8F0812SJ020SG, please do not hesitate to contact us!

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