



### P87C54SBPN,112 Information



For Reference Only

Part Number P87C54SBPN,112

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description** IC MCU 8BIT 16KB OTP 40DIP

**Package** 40-DIP (0.600", 15.24mm)

For the pricing/inventory/lead time, please contact

us

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



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# P87C54SBPN,112 Specifications

Manufacturer Part Number         P87C548BPN,112           Manufacturer         NXP           Category         Integrated Circuits (ICs)           Package         40-DIP (0.600", 15.24mm)           Series         87C           Core Processor         8051           Core Size         8-Bit           Speed         16MHz           Connectivity         EBI/EMI, UART/USART           Peripherals         POR           Number of I/O         32           Program Memory Size         16KB (16K x 8)           Program Memory Type         OTP           EEPROM Size         -           RAM Size         256 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         -           Oscillator Type         Internal           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-DIP	, <b>1</b>	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         40-DIP (0.600", 15.24mm)           Series         87C           Core Processor         8051           Core Size         8-Bit           Speed         16MHz           Connectivity         EBI/EMI, UART/USART           Peripherals         POR           Number of I/O         32           Program Memory Size         16KB (16K x 8)           Program Memory Type         OTP           EEPROM Size         -           RAM Size         256 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         -           Oscillator Type         Internal           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-DIP	Manufacturer Part Number	P87C54SBPN,112
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Core Processor8051Core Size8-BitSpeed16MHzConnectivityEBI/EMI, UART/USARTPeripheralsPORNumber of I/O32Program Memory Size16KB (16K x 8)Program Memory TypeOTPEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData Converters-Operating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-DIP	Package	40-DIP (0.600", 15.24mm)
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Speed16MHzConnectivityEBI/EMI, UART/USARTPeripheralsPORNumber of I/O32Program Memory Size16KB (16K x 8)Program Memory TypeOTPEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData Converters-Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-DIP	Core Processor	8051
ConnectivityEBI/EMI, UART/USARTPeripheralsPORNumber of I/O32Program Memory Size16KB (16K x 8)Program Memory TypeOTPEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData Converters-Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-DIP	Core Size	8-Bit
Peripherals Number of I/O 32 Program Memory Size 16KB (16K x 8) Program Memory Type OTP  EEPROM Size - RAM Size 256 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Speed	16MHz
Number of I/O32Program Memory Size16KB (16K x 8)Program Memory TypeOTPEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData Converters-Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-DIP	Connectivity	EBI/EMI, UART/USART
Program Memory Size Program Memory Type OTP  EEPROM Size - RAM Size 256 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Peripherals	POR
Program Memory Type  EEPROM Size - RAM Size 256 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 40-DIP (0.600", 15.24mm)  Supplier Device Package	Number of I/O	32
EEPROM Size - 256 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters - Coscillator Type Internal Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 40-DIP (0.600", 15.24mm)  Supplier Device Package 40-DIP	Program Memory Size	16KB (16K x 8)
RAM Size $256 \times 8$ Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters-Oscillator TypeInternalOperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $40\text{-DIP}$ (0.600", 15.24mm)Supplier Device Package $40\text{-DIP}$	Program Memory Type	OTP
Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData Converters-Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-DIP	EEPROM Size	-
Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA)  Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	RAM Size	256 x 8
Oscillator TypeInternalOperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $40\text{-DIP}$ ( $0.600^{\circ}$ , $15.24\text{mm}$ )Supplier Device Package $40\text{-DIP}$	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-DIP	Data Converters	-
Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-DIP	Oscillator Type	Internal
Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-DIP	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package 40-DIP	Mounting Type	-
	Package / Case	40-DIP (0.600", 15.24mm)
Report errors?	Supplier Device Package	40-DIP
		Report errors?

### P87C54SBPN,112 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.

### P87C54SBPN,112 Payment Methods



















# P87C54SBPN,112 Shipping Methods













If you have any question about P87C54SBPN,112, please do not hesitate to contact us!

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