



MC705C8ACPE Information



For Reference Only

Part Number MC705C8ACPE

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 8BIT 8KB 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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MC705C8ACPE Specifications

Manufacturer Part Number MC705C8ACPE Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 40-DIP (0.600", 15.24mm) Series HC05 Core Processor HC05 Core Size 8-Bit Speed 2.1MHz Connectivity SCI, SPI Peripherals POR, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type OTP EEPROM Size - RAM Size 304 x 8 Voltage - Supply (Vec/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	•	
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Core Size8-BitSpeed2.1MHzConnectivitySCI, SPIPeripheralsPOR, WDTNumber of I/O24Program Memory Size8KB (8K x 8)Program Memory TypeOTPEEPROM Size-RAM Size304 x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	Series	HC05
Speed 2.1MHz Connectivity SCI, SPI Peripherals POR, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type OTP EEPROM Size - RAM Size 304 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Core Processor	HC05
Connectivity Peripherals POR, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type OTP EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Core Size	8-Bit
Peripherals Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type OTP EEPROM Size - RAM Size 304 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Speed	2.1MHz
Number of I/O Program Memory Size 8KB (8K x 8) Program Memory Type OTP EEPROM Size - RAM Size 304 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Connectivity	SCI, SPI
Program Memory Size Program Memory Type OTP EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters - Oscillator Type Internal Operating Temperature Package / Case Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Peripherals	POR, WDT
Program Memory Type EEPROM Size RAM Size 304 x 8 Voltage - Supply (Vcc/Vdd) Data Converters Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Number of I/O	24
EEPROM Size - 304 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Coscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Program Memory Size	8KB (8K x 8)
RAM Size Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	Program Memory Type	OTP
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case40-DIP (0.600", 15.24mm)Supplier Device Package40-PDIP	EEPROM Size	-
Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package	RAM Size	304 x 8
Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type - Package / Case 40-DIP $(0.600'', 15.24\text{mm})$ Supplier Device Package 40-PDIP	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Data Converters	-
Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Oscillator Type	Internal
Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 40-PDIP	Mounting Type	-
	Package / Case	40-DIP (0.600", 15.24mm)
Report errors?	Supplier Device Package	40-PDIP
		Report errors?

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MC705C8ACPE Shipping Methods













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