



PIC12C509AT-04/SM Information



For Reference Only

Part Number PIC12C509AT-04/SM

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 1.5KB OTP 8SOIJ **Package** 8-SOIC (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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PIC12C509AT-04/SM Specifications

Manufacturer Part Number PIC12C509AT-04/SM Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 8-SOIC (0.209", 5.30mm Width) Series PIC? 12C Core Processor PIC Core Size 8-Bit Speed 4MHz Connectivity - Peripherals POR, WDT Number of I/O 5 Program Memory Size 1.5KB (1K x 12) Program Memory Type OTP EEPROM Size - RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width) Supplier Device Package 8-SOIJ		
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Speed 4MHz Connectivity - Peripherals POR, WDT Number of I/O 5 Program Memory Size 1.5KB (1K x 12) Program Memory Type OTP EEPROM Size - RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Core Processor	PIC
Connectivity - Peripherals POR, WDT Number of I/O 5 Program Memory Size 1.5KB (1K x 12) Program Memory Type OTP EEPROM Size - RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Core Size	8-Bit
Peripherals Number of I/O 5 Program Memory Size 1.5KB (1K x 12) Program Memory Type OTP EEPROM Size - RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type Package / Case 8-SOIC (0.209", 5.30mm Width)	Speed	4MHz
Number of I/O Program Memory Size 1.5KB (1K x 12) OTP EEPROM Size - RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type Package / Case 8-SOIC (0.209", 5.30mm Width)	Connectivity	-
Program Memory Size 1.5KB (1K x 12) OTP EEPROM Size - RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature Mounting Type - Package / Case 1.5KB (1K x 12) OTP OTP Internal 0°C ~ 70°C (TA) 8-SOIC (0.209", 5.30mm Width)	Peripherals	POR, WDT
Program Memory Type EEPROM Size - RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Number of I/O	5
EEPROM Size - 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Program Memory Size	1.5KB (1K x 12)
RAM Size 41 x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Program Memory Type	OTP
Voltage - Supply (Vcc/Vdd) Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	EEPROM Size	-
Data Converters - Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	RAM Size	41 x 8
Oscillator Type Internal Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA) Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$ Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Data Converters	-
Mounting Type - Package / Case 8-SOIC (0.209", 5.30mm Width)	Oscillator Type	Internal
Package / Case 8-SOIC (0.209", 5.30mm Width)	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
	Mounting Type	-
Supplier Device Package 8-SOIJ	Package / Case	8-SOIC (0.209", 5.30mm Width)
	Supplier Device Package	8-SOIJ
Report errors?		Report errors?

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Service Guarantees

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