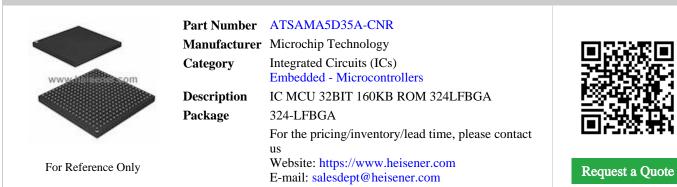


ATSAMA5D35A-CNR

ATSAMA5D35A-CNR Information



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.



ATSAMA5D35A-CNR Specifications

Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Sadecontrollers Package 324-LFBGA Series SAMA5D3 Core Processor ARM? Cortex?-A5 Core Size 36MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, Memory Card, SPI, SSC, UART/USART, USB Peripherals DMA, POR, PWM, WDT Number of I/O 160 Program Memory Size 160KB (160K x 8) Program Memory Type ROM EEPROM Size - Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 324-LFBGA Series SAMA5D3 Core Processor ARM? Cortex?-A5 Core Size 32-Bit Speed 536MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, Memory Card, SPI, SSC, UART/USART, USB Peripherals DMA, POR, PWM, WDT Number of I/O 160 Program Memory Size 160KB (160K x 8) Program Memory Type ROM EEPROM Size - RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature 40°C ~ 105°C (TA)	Manufacturer Part Number	ATSAMA5D35A-CNR
Indecdd - MicrocontrollersPackage324-LFBGASeriesSAMA5D3Core ProcessorARM? Cortex?-A5Core Size32-BitSpeed536MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, Memory Card, SPI, SSC, UART/USART, USBPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size160KB (160K x 8)Program Memory TypeROMEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	Manufacturer	Microchip Technology
Package324-LFBGASeriesSAMA5D3Core ProcessorARM? Cortex?-A5Core Size32-BitSpeed536MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, Memory Card, SPI, SSC, UART/USART, USBPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size160KB (160K x 8)Program Memory TypeROMEEPROM Size-Nufsize128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersArD 12x12bOscillator TypeIternalOperating Temperature40°C ~ 105°C (TA)	Category	Integrated Circuits (ICs)
Series SAMA5D3 Core Processor ARM? Cortex?-A5 Core Size 32-Bit Speed 536MHz Connectivity CAN, EBI/EMI, Ethernet, 12C, Memory Card, SPI, SSC, UART/USART, USB Peripherals DMA, POR, PWM, WDT Number of I/O 160 Program Memory Size 160KB (160K x 8) EEPROM Size - RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-A5Core Size32-BitSped36MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, Memory Card, SPI, SSC, UART/USART, USBPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size160KB (160K x 8)Program Memory TypeROMEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator Type40°C ~ 105°C (TA)	Package	324-LFBGA
Core Size32-BitSpeed536MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, Memory Card, SPI, SSC, UART/USART, USBPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size160KB (160K x 8)Program Memory TypeROMEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator Type-40°C ~ 105°C (TA)	Series	SAMA5D3
Speed536MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, Memory Card, SPI, SSC, UART/USART, USBPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size160KB (160K x 8)Program Memory TypeROMEEPROM Size-Nutage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VOta ConvertersA/D 12x12bOscillator TypeHernalOperating Temperature-40°C ~ 105°C (TA)	Core Processor	ARM? Cortex?-A5
Connectivity CAN, EBI/EMI, Ethernet, I2C, Memory Card, SPI, SSC, UART/USART, USB Peripherals DMA, POR, PWM, WDT Number of I/O 160 Program Memory Size 160KB (160K x 8) Program Memory Type ROM EEPROM Size - RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)	Core Size	32-Bit
PeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size160KB (160K x 8)Program Memory TypeROMEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	Speed	536MHz
Number of I/O 160 Program Memory Size 160KB (160K x 8) Program Memory Type ROM EEPROM Size - RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, Memory Card, SPI, SSC, UART/USART, USB
Program Memory Size160KB (160K x 8)Program Memory TypeROMEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	Peripherals	DMA, POR, PWM, WDT
Program Memory TypeROMEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	Number of I/O	160
EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	Program Memory Size	160KB (160K x 8)
RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	Program Memory Type	ROM
Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	EEPROM Size	-
Data ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	RAM Size	128K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 3.6 V
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)	Data Converters	A/D 12x12b
	Oscillator Type	Internal
Mounting Type -	Operating Temperature	-40°C ~ 105°C (TA)
	Mounting Type	-
Package / Case 324-LFBGA	Package / Case	324-LFBGA
Supplier Device Package324-LFBGA (15x15)	Supplier Device Package	324-LFBGA (15x15)
Report errors?		Report errors?

ATSAMA5D35A-CNR 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.

ATSAMA5D35A-CNR Payment Methods



If you have any question about ATSAMA5D35A-CNR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com