



ADUC836BCPZ Information



For Reference Only

Part Number ADUC836BCPZ

Manufacturer Analog Devices Inc.

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 62KB FLASH 56LFCSP

Package 56-VFQFN Exposed Pad, CSP

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









ADUC836BCPZ Specifications

Manufacturer Part Number ADUC836BCPZ Manufacturer Analog Devices Inc. Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 56-VFQFN Exposed Pad, CSP Series MicroConverter? ADUC8xx Core Processor 8052 Core Size 8-Bit Speed 12.58MHz Connectivity EBI/EMI, 12C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature 44°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)			
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 56-VFQFN Exposed Pad, CSP Series MicroConverter? ADuC8xx Core Processor 8052 Core Size 8-Bit Speed 12.58MHz Connectivity EBI/EMI, 12C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Manufacturer Part Number	ADUC836BCPZ	
Backage 56-VFQFN Exposed Pad, CSP Series MicroConverter? ADuC8xx Core Processor 8052 Core Size 8-Bit Speed 12.58MHz Connectivity EBI/EMI, 12C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Manufacturer	Analog Devices Inc.	
Package 56-VFQFN Exposed Pad, CSP Series MicroConverter? ADuC8xx Core Processor 8052 Core Size 8-Bit Speed 12.58MHz Connectivity EBI/EMI, 12C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Category	Integrated Circuits (ICs)	
Series MicroConverter? ADuC8xx Core Processor 8052 Core Size 8-Bit Speed 12.58MHz Connectivity EBI/EMI, 12C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)		Embedded - Microcontrollers	
Core Processor 8052 Core Size 8-Bit Speed 12.58MHz Connectivity EBI/EMI, 12C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Package	56-VFQFN Exposed Pad, CSP	
Core Size 8-Bit Speed 12.58MHz Connectivity EBI/EMI, 12C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Series	MicroConverter? ADuC8xx	
Speed12.58MHzConnectivityEBI/EMI, 12C, SPI, UART/USARTPeripheralsPOR, PSM, PWM, Temp Sensor, WDTNumber of I/O34Program Memory Size62KB (62K x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.25 VData ConvertersA/D 7x16b; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case56-VFQFN Exposed Pad, CSPSupplier Device Package56-LFCSP-VQ (8x8)	Core Processor	8052	
Connectivity EBI/EMI, I2C, SPI, UART/USART Peripherals POR, PSM, PWM, Temp Sensor, WDT Number of I/O 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Core Size	8-Bit	
Peripherals POR, PSM, PWM, Temp Sensor, WDT 34 Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 56-VFQFN Exposed Pad, CSP Supplier Device Package	Speed	12.58MHz	
Number of I/O Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Connectivity	EBI/EMI, I2C, SPI, UART/USART	
Program Memory Size 62KB (62K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Peripherals	POR, PSM, PWM, Temp Sensor, WDT	
Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Number of I/O	34	
EEPROM Size 4K x 8 RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Program Memory Size	62KB (62K x 8)	
RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.25 V Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.25 VData ConvertersA/D 7x16b; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case56-VFQFN Exposed Pad, CSPSupplier Device Package56-LFCSP-VQ (8x8)	EEPROM Size	4K x 8	
Data Converters A/D 7x16b; D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	RAM Size	2.25K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.25 V	
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Data Converters	A/D 7x16b; D/A 1x12b	
Mounting Type - Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Oscillator Type	Internal	
Package / Case 56-VFQFN Exposed Pad, CSP Supplier Device Package 56-LFCSP-VQ (8x8)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 56-LFCSP-VQ (8x8)	Mounting Type	-	
	Package / Case	56-VFQFN Exposed Pad, CSP	
Report errors?	Supplier Device Package	56-LFCSP-VQ (8x8)	
		Report error	rs?

ADUC836BCPZ 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.

ADUC836BCPZ Payment Methods



















ADUC836BCPZ Shipping Methods













If you have any question about ADUC836BCPZ, please do not hesitate to contact us!

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