

CY9AF156NABGL-GE1

CY9AF156NABGL-GE1 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.



CY9AF156NABGL-GE1 Specifications

ManufacturerCypess Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage112-LFBGASeriesFM3 MB9A150RACore ProcessorARM® Cortex®-M3Core Size32-BitSpeed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPoripheralsDMA, LVD, POR, PWM, WDTNumber of I/O83Program Memory Size-Program Memory TypeFLASHEEPROM Size-Nutation (Size)3.6VVoltage - Supply (Vcc/Vdd)1.65V ~ 3.6VDocartersA/D 24x12bOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-LFBGA (10x10)		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 112-LFBGA Series FM3 MB9A150RA Core Processor ARM® Cortex®-M3 Core Size 32-Bit Speed 40MHz Connectivity CSIO, EBI/EMI, PC, SPI, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 83 Program Memory Size 544KB (544K x 8) Pergram Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.65V ~ 3.6V Docarters A/D 24x12b Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 112-LFBGA (10x10)	Manufacturer Part Number	CY9AF156NABGL-GE1
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Core ProcessorARM® Cortex®-M3Core Size32-BitSpeed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O83Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature44°C ~ 85°C (TA)Mounting Type112-LFBGASupplier Device Package112-PFBGA (10x10)	Package	112-LFBGA
Core Size32-BitSpeed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O83Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-LFBGA (10x10)	Series	FM3 MB9A150RA
Speed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O83Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersAnd 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type1.2-LFBGASupplier Device Package112-PFBGA (10x10)	Core Processor	ARM® Cortex®-M3
Connectivity CSIO, EBI/EMI, PC, SPI, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 83 Program Memory Size 544KB (544K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.65V ~ 3.6V Data Converters A/D 24x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 112-PFBGA (10x10)	Core Size	32-Bit
Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 83 Program Memory Size 544KB (544K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.65V ~ 3.6V Data Converters A/D 24x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 112-LFBGA (10x10)	Speed	40MHz
Number of I/O 83 Program Memory Size 544KB (544K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.65V ~ 3.6V Data Converters A/D 24x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 112-LFBGA (10x10)	Connectivity	CSIO, EBI/EMI, I ² C, SPI, UART/USART
Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-LFBGA (10x10)	Peripherals	DMA, LVD, POR, PWM, WDT
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Voltage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-LFBGASupplier Device Package112-PFBGA (10x10)	EEPROM Size	-
Data ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-LFBGASupplier Device Package112-PFBGA (10x10)	RAM Size	64K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-LFBGASupplier Device Package112-PFBGA (10x10)	Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-LFBGASupplier Device Package112-PFBGA (10x10)	Data Converters	A/D 24x12b
Mounting TypeSurface MountPackage / Case112-LFBGASupplier Device Package112-PFBGA (10x10)	Oscillator Type	Internal
Package / Case112-LFBGASupplier Device Package112-PFBGA (10x10)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{(TA)}$
Supplier Device Package112-PFBGA (10x10)	Mounting Type	Surface Mount
	Package / Case	112-LFBGA
Report errors?	Supplier Device Package	112-PFBGA (10x10)
Report crois:		Report errors?

CY9AF156NABGL-GE1 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.

DISCOVER

CY9AF156NABGL-GE1 Payment Methods



CY9AF156NABGL-GE1 Shipping Methods



If you have any question about CY9AF156NABGL-GE1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com