

CY9AF141NBBGL-GE1

CY9AF141NBBGL-GE1 Information

Contensor conten	CY9AF141NBBGL-GE1 Cypress Semiconductor Corp Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 64KB FLASH 112BGA 112-LFBGA For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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CY9AF141NBBGL-GE1 Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage112-LFBGASeriesFM3 MB9A140NBCore ProcessorARM® Cortex®-M3Core Size32-BitSpeed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)165V ~ 3.6VData ConvertersA/D 24x12bOperating Temperature-40°C ~ 85°C (TA)Munuting TypeSurface MountPackage / Case112-LFBGA (10x10)		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 112-LFBGA Series FM3 MB9A140NB Core Processor ARM® Cortex®-M3 Core Size 32-Bit Speed 40MHz Connectivity CSIO, EBI/EMI, PC, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 83 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65V ~ 3.6V Doscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 112-LFBGA (10x10)	Manufacturer Part Number	CY9AF141NBBGL-GE1
Embedded - MicrocontrollersPackage112-LFBGASeriesFM3 MB9A140NBCore ProcessorARM® Cortex®-M3Core Size32-BitSpeed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-FBGA (10x10)	Manufacturer	Cypress Semiconductor Corp
Package112-LFBGASeriesFM3 MB9A140NBCore ProcessorARM® Cortex®-M3Core Size32-BitSpeed40MHzConnetivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-Nutage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersA/D 24x12bOscillator TypeHermalOperating Temperature-40°C ~ 85°C (TA)Mounting Type112-LFBGASupplier Device Package112-PFBGA (10x10)	Category	Integrated Circuits (ICs)
SeriesFM3 MB9A140NBCore ProcessorARM® Cortex®-M3Core Size32-BitSpeed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)1.65V ~ 3.6VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case112-FFBGA (10x10)		Embedded - Microcontrollers
Core ProcessorARM® Cortex®-M3Core Size32-BitSpeed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K 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/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K 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)	Series	FM3 MB9A140NB
Speed40MHzConnectivityCSIO, EBI/EMI, PC, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K 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)	Core Processor	ARM® Cortex®-M3
Connectivity CSIO, EBI/EMI, IPC, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 83 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K 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
PeripheralsLVD, POR, PWM, WDTNumber of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K 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)	Speed	40MHz
Number of I/O83Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K 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)	Connectivity	CSIO, EBI/EMI, I ² C, SPI, UART/USART
Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K 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	LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - 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)	Number of I/O	83
EEPROM Size-RAM Size16K x 8Voltage - 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)	Program Memory Size	64KB (64K x 8)
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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	16K 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°C ~ 85°C (TA)
Supplier Device Package112-PFBGA (10x10)	Mounting Type	Surface Mount
	Package / Case	112-LFBGA
Report errors?	Supplier Device Package	112-PFBGA (10x10)
F		Report errors?

CY9AF141NBBGL-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.

CY9AF141NBBGL-GE1 Payment Methods





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