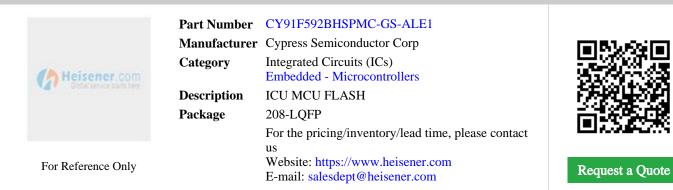


CY91F592BHSPMC-GS-ALE1

CY91F592BHSPMC-GS-ALE1 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.



CY91F592BHSPMC-GS-ALE1 Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage208-LQFPSeriesFR MB91590Core ProcessorFR81SCore Size32-BitSpeed80MHzConnectivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTDeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Nufze2.7V ~ 5.5VData ConvertersA/D 3228/10bOscillator Type-Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFPSupplier Device Package208-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage 208 -LQFPSeriesFR MB91590Core ProcessorFR81SCore Size 32 -BitSpeed $80MHz$ ConnectivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O 156 Program Memory Size $576KB$ ($576K x 8$)Program Memory TypeFLASHEEPROM Size $64K x 8$ RAM Size $848K x 8$ Voltage - Supply (Vcc/Vdd) $2.7V \sim 5.5V$ Data Converters $A/D 32x8/10b$ Oscillator TypeExternalOperating Temperature $-40^{\circ}C \sim 105^{\circ}C$ (TA)Mounting Type-Package / Case $208-LQFP$ ($28x28$)	Manufacturer Part Number	CY91F592BHSPMC-GS-ALE1	
Embedded - MicrocontrollersPackage208-LQFPSeriesFR MB91590Core ProcessorFR81SCore Size32-BitSpeed800HzConnectivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Manufacturer	Cypress Semiconductor Corp	
Package208-LQFPSeriesFR MB91590Core ProcessorFR81SCore Size32-BitSpeed80MHzConnetivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature40°C ~ 105°C (TA)Package / Case208-LQFP (28x28)	Category	Integrated Circuits (ICs)	
SeriesFR MB91590Core ProcessorFR81SCore Size32-BitSpeed80MHzConnectivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Package / Case208-LQFP (28x28)		Embedded - Microcontrollers	
Core ProcessorFR81SCore Size32-BitSpeed80MHzConnectivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-Package / Case208-LQFP (28x28)	Package	208-LQFP	
Core Size32-BitSpeed80MHzConnectivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size848K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFP (28x28)	Series	FR MB91590	
Speed80MHzConnectivityCANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type.Package / Case208-LQFP (28x28)	Core Processor	FR81S	
Connectivity CANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 156 Program Memory Size 576KB (576K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 848K x 8 Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V Data Converters A/D 32x8/10b Oscillator Type External Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 208-LQFP (28x28)	Core Size	32-Bit	
PeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O156Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size848K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Speed	80MHz	
Number of I/O 156 Program Memory Size 576KB (576K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 848K x 8 Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V Data Converters A/D 32x8/10b Oscillator Type External Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 208-LQFP (28x28)	Connectivity	CANbus, CSIO, EBI/EMI, LINbus, SPI, UART/USART	
Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size848K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFP (28x28)	Peripherals	DMA, LVD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size64K x 8RAM Size848K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Number of I/O	156	
EEPROM Size64K x 8RAM Size848K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Program Memory Size	576KB (576K x 8)	
RAM Size848K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	EEPROM Size	64K x 8	
Data ConvertersA/D 32x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	RAM Size	848K x 8	
Oscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Data Converters	A/D 32x8/10b	
Mounting Type-Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Oscillator Type	External	
Package / Case208-LQFPSupplier Device Package208-LQFP (28x28)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package208-LQFP (28x28)	Mounting Type	-	
	Package / Case	208-LQFP	
Report errors?	Supplier Device Package	208-LQFP (28x28)	
			Report errors?

CY91F592BHSPMC-GS-ALE1 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.



If you have any question about CY91F592BHSPMC-GS-ALE1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com