



LPC1778FET208,551 Information

Part Number LPC1778FET208,551

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 32BIT 512KB FLASH 208BGA

Package 208-TFBGA

For the pricing/inventory/lead time, please contact

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LPC1778FET208,551 Specifications

Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 208-TFBGA Series LPC17xx Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 120MHz Connectivity CAN, EBI/EMI, Ethernet, 12C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDT Number of I/O 165 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) 2.4 V ~ 3.6 V Obation Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA Supplier Device Package 208-TFBGA	Manufacturer Part Number	LPC1778FET208,551
Embedded - MicrocontrollersPackage208-TFBGASeriesLPC17xxCore ProcessorARM? Cortex?-M3Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDTNumber of I/O165Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size96K x 8Voltage - Supply (Vcc Vdd)2.4 V ~ 3.6 VData ConvertersA/D 8x12b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-TFBGA	Manufacturer	NXP
Package 208-TFBGA Series LPC17xx Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 120MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDT Number of I/O 165 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) 2.4 V ~ 3.6 V Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Category	Integrated Circuits (ICs)
Series LPC17xx Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 120MHz Connectivity CAN, EBI/EMI, Ethernet, 12C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDT Number of I/O 165 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) 2.4 V ~ 3.6 V Voltage - Supply (Type 2.4 V ~ 3.6 V Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M3Core Size 32-Bit Speed 120MHz Connectivity CAN , EBI/EMI , $Ethernet$, $I2C$, $Microwire$, $Memory Card$, SPI , SSI , SSP , $UART/USART$, USB OTG Peripherals $Brown-out Detect/Reset$, DMA , $I2S$, $Motor Control PWM$, POR , PWM , WDT Number of I/O 165 Program Memory Size $512KB$ ($512K \times 8$)Program Memory Type $FLASH$ $EEPROM Size$ $4K \times 8$ RAM Size $96K \times 8$ Voltage - Supply (Vcc $Vdd)$ $2.4 \text{ V} \sim 3.6 \text{ V}$ Obata Converters $A/D 8x12b$, $D/A 1x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting Type-Package / Case 208-TFBGA	Package	208-TFBGA
Core Size 32-Bit Speed 120MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDT Number of I/O 165 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Series	LPC17xx
Speed 120MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDT Number of I/O 165 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc / Vdd) 2.4 V ~ 3.6 V Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Core Processor	ARM? Cortex?-M3
Connectivity CAN, EBI/EMI, Ethernet, I2C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDT Number of I/O 165 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 208-TFBGA	Core Size	32-Bit
Connectivity OTG Peripherals Brown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDT Number of I/O 165 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Speed	120MHz
Number of I/O Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 208-TFBGA	Connectivity	
Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) 2.4 V ~ 3.6 V Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Peripherals	Brown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) 2.4 V ~ 3.6 V Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Number of I/O	165
EEPROM Size 4K x 8 RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) 2.4 V ~ 3.6 V Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Program Memory Size	512KB (512K x 8)
RAM Size 96K x 8 Voltage - Supply (Vcc /Vdd) 2.4 V ~ 3.6 V Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Program Memory Type	FLASH
Voltage - Supply (Vcc /Vdd) Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	EEPROM Size	4K x 8
/Vdd) Data Converters A/D 8x12b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	RAM Size	96K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA		2.4 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 208-TFBGA	Data Converters	A/D 8x12b, D/A 1x10b
Mounting Type - Package / Case 208-TFBGA	Oscillator Type	Internal
Package / Case 208-TFBGA	Operating Temperature	-40°C ~ 85°C (TA)
	Mounting Type	-
Supplier Device Package 208-TFRGA (15x15)	Package / Case	208-TFBGA
Supplied Device Fackage 200°11 BOA (13A13)	Supplier Device Package	208-TFBGA (15x15)

LPC1778FET208,551 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.

LPC1778FET208,551 Payment Methods



















LPC1778FET208,551 Shipping Methods













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