

PIC18LF27K40-E/SS

PIC18LF27K40-E/SS 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.



PIC18LF27K40-E/SS Specifications

Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers 28-SSOP (0.209°, 5.30mm Width) Package 28-SSOP (0.209°, 5.30mm Width) Series PIC? XLP? 18K Core Processor PIC Core Size 8-Bit Speed 64MHz Connectivity 12C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, LVD, POR, PWM, WDT Speed 128KB (64K x 16) Program Memory Size 128KB (64K x 16) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 36K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x10b, D/A 1x5b Oscillator Type Internal Operating Temperature 40°C ~ 125°C (TA) Operaturg Temperature 28-SSOP (0.209°, 5.30mm Width) Supplier Device Package 28-SSOP (0.209°, 5.30mm Width)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage28-SSOP (0.209", 5.30mm Width)SeriesPIC? XLP? 18KCore ProcessorPICCore Size8-BitSpeed64MHzConnectivity12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LVD, POR, PWM, WDTNumber of I/O25Program Memory Size12KK (64K x 16)PERPOM Size1K x 8RAM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Manufacturer Part Number	PIC18LF27K40-E/SS
Embedded - Microcontrollers Package 28-SSOP (0.209", 5.30mm Width) Series PIC? XLP? 18K Core Processor PIC Core Size 8-Bit Speed 64MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, LVD, POR, PWM, WDT Number of I/O 25 Program Memory Size 128KB (64K x 16) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 3.6K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x10b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Package / Case 28-SSOP (0.209", 5.30mm Width)	Manufacturer	Microchip Technology
Package28-SSOP (0.209", 5.30mm Width)SeriesPIC? XLP? 18KCore ProcessorPICCore Size8-BitSpeed64MHzConnetivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LVD, POR, PWM, WDTNumber of I/O25Program Memory Size128KB (64K x 16)PERPROM SizeIK x 8RAM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VDetat ConvertersA/D 24x10b, D/A 1x5bDetating Temperature-40°C ~ 125°C (TA)Package / Case28.SSOP (0.209", 5.30mm Width)Supplier Device Package8.SSOP (0.209", 5.30mm Width)	Category	Integrated Circuits (ICs)
SeriesPIC? XLP? 18KCore ProcessorPICCore Size8-BitSpeed64MHzConnectivity12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LVD, POR, PWM, WDTNumber of I/O25Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOperating Temperature40°C ~ 125°C (TA)Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed64MHzConnectivity12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LVD, POR, PWM, WDTNumber of I/O25Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 24x10b, D/A 1x5bOperating Temperature-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Package	28-SSOP (0.209", 5.30mm Width)
Core Size8-BitSpeed64MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LVD, POR, PWM, WDTNumber of I/O25Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator Type-40°C ~ 125°C (TA)Package / Case28SSOP (0.209", 5.30mm Width)Supplier Device Package8-SSOP	Series	PIC? XLP? 18K
Speed64MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LVD, POR, PWM, WDTNumber of I/O25Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator Type-Prenating Temperature-40°C ~ 125°C (TA)Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Core Processor	PIC
PrintPrintConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LVD, POR, PWM, WDTNumber of I/O25Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Core Size	8-Bit
Peripherals Brown-out Detect/Reset, LVD, POR, PWM, WDT Number of I/O 25 Program Memory Size 128KB (64K x 16) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 3.6K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x10b, D/A 1x5b Oscillator Type - Operating Temperature - Package / Case 28-SSOP (0.209", 5.30mm Width) Supplier Device Package 28-SSOP	Speed	64MHz
Number of I/O 25 Program Memory Size 128KB (64K x 16) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 3.6K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x10b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Package / Case 28-SSOP (0.209", 5.30mm Width) Supplier Device Package 28-SSOP	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size1K x 8RAM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Number of I/O	25
EEPROM SizeIK x 8RAM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Program Memory Size	128KB (64K x 16)
RAM Size3.6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	EEPROM Size	1K x 8
Data ConvertersA/D 24x10b, D/A 1x5bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	RAM Size	3.6K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Data Converters	A/D 24x10b, D/A 1x5b
Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Oscillator Type	Internal
Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Operating Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{(TA)}$
Supplier Device Package 28-SSOP	Mounting Type	-
	Package / Case	28-SSOP (0.209", 5.30mm Width)
	Supplier Device Package	28-SSOP
Report errors?		Report errors?

PIC18LF27K40-E/SS 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

PIC18LF27K40-E/SS Payment Methods





If you have any question about PIC18LF27K40-E/SS, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com