

PIC18LF25K42-I/SS

PIC18LF25K42-I/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.



PIC18LF25K42-I/SS Specifications

Manufacturer Microchip Technology Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers 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, DMA, HLVD, POR, PWM, WDT Number of I/O 25 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case 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, DMA, HLVD, POR, PWM, WDTNumber of I/O25Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-0°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Manufacturer Part Number	PIC18LF25K42-I/SS
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SeriesPIC? XLP? 18KCore ProcessorPICCore Size8-BitSpeed64MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, POR, PWM, WDTNumber of I/O25Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed64MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, POR, PWM, WDTNumber of I/O25Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 24x12b, D/A 1x5bOscillator Type-Portaning Temperature-Prokage / Case8-SSOP (0.209", 5.30mm Width)Supplier Device Package8-SSOP	Package	28-SSOP (0.209", 5.30mm Width)
Core Size8-BitSpeed64MHzConnectivityIC, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, POR, PWM, WDTNumber of I/O25Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 24x12b, D/A 1x5bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case8-SSOP (0.209", 5.30mm Width)Supplier Device Package8-SSOP	Series	PIC? XLP? 18K
Speed64MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, POR, PWM, WDTNumber of I/O25Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Core Processor	PIC
Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT Number of I/O 25 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 28-SSOP (0.209", 5.30mm Width) Supplier Device Package 28-SSOP	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, DMA, HLVD, POR, PWM, WDTNumber of I/O25Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Speed	64MHz
Number of I/O25Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size32KB (16K x 16)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Peripherals	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Number of I/O	25
EEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Program Memory Size	32KB (16K x 16)
RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°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 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	EEPROM Size	256 x 8
Data ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	RAM Size	2K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°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 ~ 85°C (TA)Mounting Type-Package / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Data Converters	A/D 24x12b, 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°C ~ 85°C (TA)
Supplier Device Package 28-SSOP	Mounting Type	-
	Package / Case	28-SSOP (0.209", 5.30mm Width)
Report errors?	Supplier Device Package	28-SSOP
		Report errors

PIC18LF25K42-I/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.

DISCOVER

PIC18LF25K42-I/SS Payment Methods



PIC18LF25K42-I/SS Shipping Methods



If you have any question about PIC18LF25K42-I/SS, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com