

# STM32L162QDH6DTR

## STM32L162QDH6DTR Information

Heisener.com	Part Number Manufacturer Category Description Package	STM32L162QDH6DTR STMicroelectronics Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 384KB FLASH 132BGA 132-UFBGA 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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## STM32L162QDH6DTR Specifications

ManufacturerSTMicroelectronicsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage132-UFBGASeriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, 12S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size34KKB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8Nufze48K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage132-UFBGASeriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, 12S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)EEPROM Size12K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case132-UFBGASupplier Device Package-	Manufacturer Part Number	STM32L162QDH6DTR	
Embedded - MicrocontrollersPackage132-UFBGASeriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case132-UFBGASupplier Device Package-	Manufacturer	STMicroelectronics	
Package132-UFBGASeriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)PERPROM Size12K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case132-UFBGASupplier Device Package-Supplier Device Package-	Category	Integrated Circuits (ICs)	
StriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case132-UFBGASupplier Device Package-		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-A0°C ~ 85°C (TA)132-UFBGASupplier Device Package-Supplier Device Package-	Package	132-UFBGA	
Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case132-UFBGASupplier Device Package-	Series	STM32 L1	
Speed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	Core Processor	ARM? Cortex?-M3	
Connectivity     I2C, IrDA, LIN, SPI, UART/USART, USB       Peripherals     Brown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDT       Number of I/O     109       Program Memory Size     384KB (384K x 8)       Program Memory Type     FLASH       EEPROM Size     12K x 8       RAM Size     48K x 8       Voltage - Supply (Vcc/Vdd)     1.65 V ~ 3.6 V       Data Converters     A/D 40x12b, D/A 2x12b       Oscillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     132-UFBGA       Supplier Device Package     -	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O109Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	Speed	32MHz	
Number of I/O109Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	Connectivity	I2C, IrDA, LIN, SPI, UART/USART, USB	
Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size12K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	Peripherals	Brown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDT	
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Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	EEPROM Size	12K x 8	
Data ConvertersA/D 40x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	RAM Size	48K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case132-UFBGASupplier Device Package-	Data Converters	A/D 40x12b, D/A 2x12b	
Mounting Type-Package / Case132-UFBGASupplier Device Package-	Oscillator Type	Internal	
Package / Case 132-UFBGA   Supplier Device Package -	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package -	Mounting Type	-	
	Package / Case	132-UFBGA	
Report errors?	Supplier Device Package	-	
			Report errors?

### STM32L162QDH6DTR Guarantees



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