

# C8051F531-C-IT

Quote

#### C8051F531-C-IT Information

(A Heisener.com	Part Number	C8051F531-C-IT	
	Manufacturer	Silicon Labs	ाजा <b>भ्</b> रेम्स्ट्रस
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	2007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 1007 - 2007 - 10
A. Construction	Description	IC MCU 8BIT 8KB FLASH 20TSSOP	
	Package	20-TSSOP (0.173", 4.40mm Width)	一番琴游
		For the pricing/inventory/lead time, please contact	L = 1 = 12*3.
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Q

## **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.



### C8051F531-C-IT Specifications

Manufacturer Silicon Labs   Manufacturer Silicon Labs   Manufacturer Silicon Labs   Category Integrated Circuits (ICs)   Embedded - Microcontrollers Embedded - Microcontrollers   Package 20-TSSOP (0.173", 4.40mm Width)   Series C8051F53x   Core Processor 8051   Core Size 8-Bit   Speed 25MHz   Connectivity SPI, UART/USART   Porgram Memory Size Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT   Number of I/O 16   Program Memory Size SKB (8K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 256 x 8   Voltage - Supply (Vcc/Vdd) 2 V ~ 5.25 V   Data Converters A/D 16x12b   Operating Temperature -40°C ~ 125°C (TA)   Operating Temperature -40°C ~ 125°C (TA)   Package / Case 20-TSSOP (0.173", 4.40mm Width)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage20-TSSOP (0.173", 4.40mm Width)SeriesC8051F53xCore Processor8051Core Size8-BitSpeed25MHzConnectivitySPI, UART/USARTNumber of I/O16Program Memory Size8KB (8K x 8)EEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)256 x 8Voltage - Supply (Vcc/Vdd)21 v ~ 5.25 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 125°C (TA)Munuting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Manufacturer Part Number	C8051F531-C-IT	
Embedded - MicrocontrollersPackage20-TSSOP (0.173", 4.40mm Width)SeriesC8051F53xCore Processor8051Core Size8-BitSpeed25MHzConnectivitySPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Manufacturer	Silicon Labs	
Package20-TSSOP (0.173", 4.40mm Width)SeriesC-8051F53xCore Processor8051Core Size8-BitSpeed25MHzConnectivitySPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Category	Integrated Circuits (ICs)	
SeriesC8051F53xCore Processor8051Core Size8-BitSpeed25MHzConnectivitySPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-		Embedded - Microcontrollers	
Core Processor8051Core Size8-BitSpeed25MHzConnectivitySPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)2V ~ 5.25 VData ConvertersAD 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Prakage / Case0.5SOP (0.173", 4.40mm Width)Supplier Device Package-	Package	20-TSSOP (0.173", 4.40mm Width)	
Core Size8-BitSpeed25MHzConnectivitySPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case0-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Series	C8051F53x	
Speed25MHzConnectivitySPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case0.Supplier Device Package-	Core Processor	8051	
ConnectivitySPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Core Size	8-Bit	
PeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Speed	25MHz	
Number of I/O16Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Connectivity	SPI, UART/USART	
Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Peripherals	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Number of I/O	16	
EEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Program Memory Size	8KB (8K x 8)	
RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)2 V ~ 5.25 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	EEPROM Size	-	
Data ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	RAM Size	256 x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Voltage - Supply (Vcc/Vdd)	2 V ~ 5.25 V	
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Data Converters	A/D 16x12b	
Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Oscillator Type	Internal	
Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package-	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package -	Mounting Type	-	
	Package / Case	20-TSSOP (0.173", 4.40mm Width)	
Report errors?	Supplier Device Package	-	
			Report errors?

#### C8051F531-C-IT 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.

#### C8051F531-C-IT Payment Methods





If you have any question about C8051F531-C-IT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com