

DSPIC33FJ32MC102T-E/SO

DSPIC33FJ32MC102T-E/SO 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.



DSPIC33FJ32MC102T-E/SO Specifications

| Manufacturer Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-SOIC (0.295", 7.50mm Width) Series dsPIC? 33F Core Processor dsPIC Core Size 16-Bit Speed 16 MIPs Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, Motor Control PWM, POR, PWM, WDT Number of I/O 21 Program Memory Size 32KB (11K x 24) Program Memory Type FLASH EEPROM Size - RAM Size IK x 16 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 8x10b Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 28-SOIC (0.295", 7.50mm Width) | | | |
|--|----------------------------|--|----------------|
| CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage28-SOIC (0.295", 7.50mm Width)SeriesdsPIC? 33FCore ProcessordsPICCore Size16-BitSpeed16 MIPsConnectivity12C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Manufacturer Part Number | DSPIC33FJ32MC102T-E/SO | |
| Embedded - Microcontrollers Package 28-SOIC (0.295", 7.50mm Width) Series dsPIC? 33F Core Processor dsPIC Core Size 16-Bit Speed 16 MIPs Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, Motor Control PWM, POR, PWM, WDT Number of I/O 21 Program Memory Size 32KB (11K x 24) Program Memory Type FLASH EEPROM Size - RAM Size IK x 16 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Package / Case 28-SOIC (0.295", 7.50mm Width) | Manufacturer | Microchip Technology | |
| Package28-SOIC (0.295", 7.50mm Width)SeriesdsPIC? 33FCore ProcessordsPICCore Size16-BitSpeed16 MIPsConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width) | Category | Integrated Circuits (ICs) | |
| SeriesdsPIC? 33FCore ProcessordsPICCore Size16-BitSpeed16 MIPsConnectivity12C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature40°C ~ 125°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | | Embedded - Microcontrollers | |
| Core ProcessordsPICCore Size16-BitSpeed16 MIPsConnectivity12C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 125°C (TA)Prackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC | Package | 28-SOIC (0.295", 7.50mm Width) | |
| Core Size16-BitSpeed16 MIPsConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersAD 8x10bOperating Temperature-40°C ~ 125°C (TA)Package / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC | Series | dsPIC? 33F | |
| Speed16 MIPsConnectivity12C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Core Processor | dsPIC | |
| ConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 125°C (TA)Operating Temperature28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Core Size | 16-Bit | |
| PeripheralsBrown-out Detect/Reset, Motor Control PWM, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Speed | 16 MIPs | |
| Number of I/O21Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Connectivity | I2C, IrDA, LIN, SPI, UART/USART | |
| Program Memory Size32KB (11K x 24)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Peripherals | Brown-out Detect/Reset, Motor Control PWM, POR, PWM, WDT | |
| Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Number of I/O | 21 | |
| EEPROM Size-RAM Size1K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Program Memory Size | 32KB (11K x 24) | |
| RAM SizeIK x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Program Memory Type | FLASH | |
| Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | EEPROM Size | - | |
| Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | RAM Size | 1K x 16 | |
| Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Voltage - Supply (Vcc/Vdd) | 3 V ~ 3.6 V | |
| Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Data Converters | A/D 8x10b | |
| Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Oscillator Type | Internal | |
| Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Operating Temperature | -40°C ~ 125°C (TA) | |
| Supplier Device Package 28-SOIC | Mounting Type | - | |
| | Package / Case | 28-SOIC (0.295", 7.50mm Width) | |
| Report errors? | Supplier Device Package | 28-SOIC | |
| | | | Report errors? |

DSPIC33FJ32MC102T-E/SO 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.

DSPIC33FJ32MC102T-E/SO Payment Methods



If you have any question about DSPIC33FJ32MC102T-E/SO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com