

MCP41HV51T-104E/MQ

MCP41HV51T-104E/MQ Information



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MCP41HV51T-104E/MQ Specifications

Manufacturer Part NumberMCP41HV51T-104E/MQManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Data Acquisition - Digital PotentiometersPackage20-VQFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps256Resistance (Ohms)100kInterfaceSPIVoltaige - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 pm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-QFN Exposed Pad		
CategoryIntegrated Circuits (ICs)Data Acquisition - Digital PotentiometersPackage20-VQFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps256Resistance (Ohms)100kInterfaceSPIVoltage - Supply.18 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 pm/°CResistance - Wiper (Ohms) (Type)145Operating Temperature-40°C ~ 125°CPackage / Case20-QFN (5x5)	Manufacturer Part Number	MCP41HV51T-104E/MQ
Data Acquisition - Digital PotentiometersPackage20-VQFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps256Resistance (Ohms)100kInterfaceSPIVoltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance120%Resistance - Wiper (Ohms) (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-QFN Exposed PadSupplier Device Package20-QFN (5x5)	Manufacturer	Microchip Technology
Package20-VQFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps256Resistance (Ohms)100kInterfaceSPIVoltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Resistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-QFN (5x5)Supplier Device Package20-QFN (5x5)	Category	Integrated Circuits (ICs)
Series-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps256Resistance (Ohms)100kInterfaceSPIMemory TypeVolatileVoltage - Supply.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance20%Resistance (Ohms) (Typ)100 ppm/°CResistance - Viper (Ohms) (Typ)145Operating Temperature-0°C ~ 125°CPackage / Case20-QFN Exposed PadSupplier Device Package20-QFN (5x5)		Data Acquisition - Digital Potentiometers
TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps256Resistance (Ohms)100kInterfaceSPIMemory TypeVolatileVoltage - Supply.8 × 2.5 ×, 10 × 36 ∨, ±5 ∨ - 18 ∨Features-Tolerance100pm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-QFN (Exposed PadSupplier Device Package20-QFN (Sx5)	Package	20-VQFN Exposed Pad
Configuration Potentiometer Number of Circuits 1 Number of Taps 256 Resistance (Ohms) 100k Interface SPI Memory Type Volatile Voltage - Supply 1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 V Features - Tolerance ±20% Resistance - Wiper (Ohms) (Typ) 145 Operating Temperature -40°C ~ 125°C Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-QEN (5x5)	Series	-
Number of Circuits1Number of Taps256Resistance (Ohms)100kInterfaceSPIMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Taper	Linear
Number of Taps256Resistance (Ohms)100kInterfaceSPIMemory TypeVoltaleVoltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-QFN Exposed PadSupplier Device Package20-QFN (5x5)	Configuration	Potentiometer
A residence of A100kResistance (Ohms)100kInterfaceSPIMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Number of Circuits	1
InterfaceSPIMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5 V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Number of Taps	256
Memory TypeVolatileVoltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Resistance (Ohms)	100k
Voltage - Supply1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 VFeatures-Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Interface	SPI
Features-Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Memory Type	Volatile
Tolerance±20%Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Voltage - Supply	1.8 V ~ 5.5 V, 10 V ~ 36 V, ±5V ~ 18 V
Temperature Coefficient (Typ)100 ppm/°CResistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Features	-
Resistance - Wiper (Ohms) (Typ)145Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Tolerance	$\pm 20\%$
Operating Temperature-40°C ~ 125°CPackage / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Temperature Coefficient (Typ)	100 ppm/°C
Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN (5x5)	Resistance - Wiper (Ohms) (Typ)	145
Supplier Device Package 20-QFN (5x5)	Operating Temperature	$-40^{\circ}C \sim 125^{\circ}C$
	Package / Case	20-VQFN Exposed Pad
	Supplier Device Package	20-QFN (5x5)
Report errors?		Report errors?

MCP41HV51T-104E/MQ 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.

MCP41HV51T-104E/MQ Payment Methods





If you have any question about MCP41HV51T-104E/MQ, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com