

MC10XS3412CPNA

MC10XS3412CPNA Information

Part Number MC10XS3412CPNA

Manufacturer NXP

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

Description IC SWITCH HIGH SIDE QUAD 24-QFN

Package 24-PowerQFN

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

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MC10XS3412CPNA Specifications

Manufacturer Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package 24-PowerQFN Series Switch Type General Purpose Number of Outputs 4 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface SPI Voltage - Load Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) Rds On (Typ) Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN		
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Series - Switch Type General Purpose Number of Outputs 4 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface SPI Voltage - Load 6 V ~ 20 V Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) - Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)		PMIC - Power Distribution Switches, Load Drivers
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Number of Outputs Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface SPI Voltage - Load 6 V ~ 20 V Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) Rds On (Typ) 10 mOhm, 12 mOhm Input Type Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case Supplier Device Package 24-PQFN (12x12)	Series	-
Ratio - Input:Output Output Configuration High Side Output Type N-Channel Interface SPI Voltage - Load 6 V ~ 20 V Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Switch Type	General Purpose
Output Configuration Output Type N-Channel Interface SPI Voltage - Load 6 V ~ 20 V Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Number of Outputs	4
Output Type Interface SPI Voltage - Load 6 V ~ 20 V Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) - Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case Supplier Device Package 24-PQFN (12x12)	Ratio - Input:Output	1:1
Interface SPI Voltage - Load 6 V ~ 20 V Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) - Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Output Configuration	High Side
Voltage - Load 6 V ~ 20 V Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) - Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Internal PWM, Slew Rate Controlled, Watchdog Timer Features Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Current - Output (Max) - Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Interface	SPI
Current - Output (Max) Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Voltage - Load	6 V ~ 20 V
Rds On (Typ) 10 mOhm, 12 mOhm Input Type - Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Input Type Features Internal PWM, Slew Rate Controlled, Watchdog Timer Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Current - Output (Max)	-
Features Internal PWM, Slew Rate Controlled, Watchdog Timer Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Rds On (Typ)	10 mOhm, 12 mOhm
Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Input Type	-
Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Features	Internal PWM, Slew Rate Controlled, Watchdog Timer
Package / Case 24-PowerQFN Supplier Device Package 24-PQFN (12x12)	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Supplier Device Package 24-PQFN (12x12)	Operating Temperature	-40°C ~ 150°C (TJ)
	Package / Case	24-PowerQFN
Report errors?	Supplier Device Package	24-PQFN (12x12)
		Report errors?

MC10XS3412CPNA 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.

MC10XS3412CPNA Payment Methods



















MC10XS3412CPNA Shipping Methods













If you have any question about MC10XS3412CPNA, please do not hesitate to contact us!

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