

Image may be representation.
See specifications for product details.



MC10XS3412CHFK

Manufacturer Part Number	MC10XS3412CHFK
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)
Allelco Part Number	32D-MC10XS3412CHFK
ECAD Model	Request Free CAD Models
Parts Description	HIGH-SIDE SWITCH, 12V, DUAL 10MO
Package	24-PowerQFN
Data sheet	MC10XS3412CHFK.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC10XS3412CHFK - Freescale Semiconductor. New Original in Stock. Download Linear Technology MC10XS3412CHFK datasheet/specifications on AllelcoElec.com. Request a quote for MC10XS3412CHFK, please send us email: info@allelco.com

Specifications

MC10XS3412CHFK Tech Specifications

MC10XS3412CHFK - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Load	6V ~ 20V	Number of Outputs	4
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	24-PQFN (12x12)	Interface	SPI
Series	-	Input Type	-
Rds On (Typ)	10mOhm, 12mOhm	Features	Internal PWM, Slew Rate Controlled, Watchdog Timer
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	24-PowerQFN	Current - Output (Max)	-
Package	Bulk	Base Product Number	MC10XS3412
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor MC10XS3412CHFK

Product Attribute				
Part Number	MC10XS3412CHFK	MC10XS3425EK	MC10XS3412CHFK	MC10XS3535DHFKR2
Manufacturer	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Package / Case	24-PowerQFN	32-SSOP (0.295", 7.50mm Width) Exposed Pad	24-PowerQFN	24-PowerQFN
Ratio - Input:Output	1:1	1:1	1:1	1:6
Base Product Number	MC10XS3412	MC10XS3425	MC10XS3412	MC10XS3535
Package	Bulk	Tube	Tray	Tape & Reel (TR)
Input Type	-	-	-	-
Rds On (Typ)	10mOhm, 12mOhm	10mOhm, 25mOhm	10mOhm, 12mOhm	10mOhm (Max), 35mOhm (Max)
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO
Output Configuration	High Side	High Side	High Side	High Side
Voltage - Load	6V ~ 20V	6V ~ 20V	6V ~ 20V	7V ~ 20V
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Features	Internal PWM, Slew Rate Controlled, Watchdog Timer	Internal PWM, Slew Rate Controlled, Watchdog Timer	Internal PWM, Slew Rate Controlled, Watchdog Timer	Watchdog Timer
Interface	SPI	SPI	SPI	SPI
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 125°C (TA)
Current - Output (Max)	-	6A	-	-
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	24-PQFN (12x12)	32-HSOP	24-PQFN (12x12)	24-PQFN (12x12)
Series	-	-	-	-
Number of Outputs	4	4	4	6
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

Customers Also Interested in

Recommended Products



MC10XS3425EK
NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
32HSOP



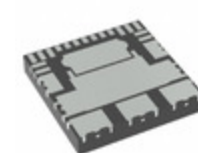
MC10P1129



MC10LVPEP16DTR2G
onsemi
IC RECEIVER/DRVR DIFF ECL
8TSSOP



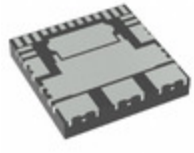
MC10XS3412CHFK
NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
24PQFN



MC10XS3535DHFKR2
NXP USA Inc.
IC PWR SWITCH N-CHAN 1:6
24PQFN



MC10SX1190DT
onsemi
IC DRIVER 1/0 20TSSOP



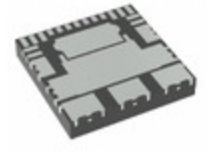
MC10XS3412C

Freescale / NXP Semiconductors



MC10LVEP16DR2G

onsemi
IC RECEIVER/DRVR DIFF ECL 8-SOIC



MC10XS3535PNA

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:6
24PQFN

MC10XS3535JHFK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:6
24PQFN

MC10XS3435D

Freescale / NXP Semiconductors

MC10XS3535HFK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:6
24PQFN



NO PICTURE



NO PICTURE



MC10SX1189D

onsemi
IC DRIVER 1/0 16SOIC



NO PICTURE



MC10XS3435DHFH

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
24PQFN

MC10R116FNR2

AMI Semiconductor/onsemi

MC10XS3435BH

FREESCA

MC10SX1130

MOTOROLA

MC10T6010AP

MagnaChip

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



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Certifications & Memberships



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