



Image may be representation.
See specifications for product details.



MC08XS6421BEKR2

Manufacturer Part Number	MC08XS6421BEKR2
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC08XS6421BEKR2
ECAD Model	Request Free CAD Models
Parts Description	IC PWR SWITCH N-CHAN 1:1 32HSOP
Package	32-SSOP (0.295", 7.50mm Width) Exposed Pad
Data sheet	MC08XS6421(B)EK.pdf MC08XS6421(B)EK.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC08XS6421BEKR2 - NXP USA Inc..New Original in Stock. Download Linear Technology MC08XS6421BEKR2 datasheet/specifications on AllelcoElec.com.
Request a quote for MC08XS6421BEKR2, please send us email: info@allelco.com

Specifications

MC08XS6421BEKR2 Tech Specifications

MC08XS6421BEKR2 - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Voltage - Load	7V ~ 18V	Number of Outputs	4
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	32-HSOP	Interface	SPI
Series	-	Input Type	-
Rds On (Typ)	8mOhm, 21mOhm	Features	-
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature
Package / Case	32-SSOP (0.295", 7.50mm Width) Exposed Pad	Current - Output (Max)	5.5A, 11A
Package	Tape & Reel (TR)	Base Product Number	MC08XS6421
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC08XS6421BEKR2

Product Attribute				
Part Number	MC08XS6421BEKR2	MC07XS3200EKR2	MC07XS517EK	MC06XS3517AFK
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Number of Outputs	4	2	6	5
Features	-	Internal PWM, Slew Rate Controlled, Watchdog Timer	Internal PWM	Watchdog Timer
Interface	SPI	SPI	SPI	SPI
Rds On (Typ)	8mOhm, 21mOhm	7mOhm	7mOhm, 17mOhm	6mOhm, 17mOhm
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	3V ~ 5.5V	4.5V ~ 5.5V	3V ~ 5.5V
Series	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	32-SSOP (0.295", 7.50mm Width) Exposed Pad	32-SSOP (0.295", 7.50mm Width) Exposed Pad	54-SSOP (0.295", 7.50mm Width) Exposed Pad	24-PowerQFN
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tray
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 150°C (TJ)	-40°C ~ 125°C (TA)	-40°C ~ 150°C (TJ)
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Input Type	-	-	-	-
Ratio - Input:Output	1:1	1:2	1:1	1:5
Supplier Device Package	32-HSOP	32-HSOP	54-HSOP	24-PQFN (12x12)
Output Configuration	High Side	High Side	High Side	High Side
Current - Output (Max)	5.5A, 11A	26A	5.5A, 11A	-
Base Product Number	MC08XS6421	MC07XS3200	MC07XS517	MC06XS3517
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Voltage - Load	7V ~ 18V	6V ~ 20V	7V ~ 18V	7V ~ 20V

MC08XS6421BEKR2 Datasheet PDF

Download MC08XS6421BEKR2 pdf datasheets and NXP USA Inc. documentation for MC08XS6421BEKR2 - NXP USA Inc..

Datasheets

MC08XS6421(B)EK.pdf

PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

Environmental Information

NXP USA Inc REACH.pdf

NXP USA Inc RoHS Cert.pdf

PCN Assembly/Origin

Mult Dev A/T Site 28/Apr/2021.pdf

PCN Design/Specification

Mult Dev 25/May/2020.pdf

PCN Obsolescence/ EOL

Mult Dev EOL 26/Sep/2020.pdf

HTML Datasheet

MC08XS6421(B)EK.pdf

Customers Also Interested in

Recommended Products



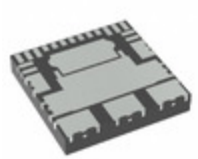
MC07XS3200EKR2

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:2
32HSOP



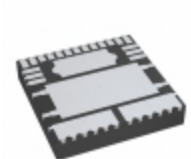
MC07XS517EK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
54HSOP



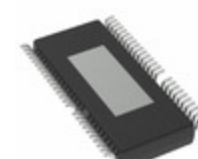
MC06XS3517AFK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:5
24PQFN



MC06XS4200FK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
23PQFN



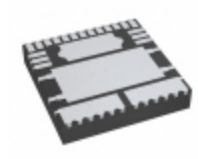
MC07XS517EK

Freescale Semiconductor
HIGH-SIDE SWITCH, 18V, TRIPLE
7M



MC07XS6517BEK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
54HSOP



MC06XS4200BFK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
23PQFN



MC07XS6517EKR2

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
54HSOP



MC09XS3400AFK

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



MC07XS6517EK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
54HSOP



MC08XS6421BEK

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



MC08EA220J-TF

Cornell Dubilier Electronics
(CDE)
CAP MICA 22PF 5% 100V 0805



MC07XS6517BEKR2

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:1
54HSOP



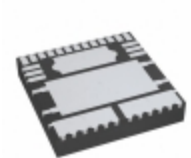
MC07XS3200EK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:2
32HSOP



MC06XSD200FK

Freescale Semiconductor
HIGH-SIDE SWITCH, 36V, DUAL
6MOH



MC06XSD200FK

NXP USA Inc.
IC PWR SWITCH N-CHAN 1:2
23PQFN



MC08XS6421EK

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



MC07XSC200EK

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

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.

Certifications & Memberships





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