



Image may be representation.
See specifications for product details.



STMPS2242MTR

Manufacturer Part Number	STMPS2242MTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STMPS2242MTR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR SWITCH 1:2 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	STMPS22x2.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STMPS2242MTR - STMicroelectronics.New Original in Stock. Download Linear Technology STMPS2242MTR datasheet/specifications on AllelcoElec.com.
Request a quote for STMPS2242MTR, please send us email: info@allelco.com

Specifications

STMPS2242MTR Tech Specifications

STMPS2242MTR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Load	2.7V ~ 5.5V	Number of Outputs	2
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	8-SOIC	Interface	On/Off
Series	-	Input Type	Non-Inverting
Rds On (Typ)	105mOhm	Features	-
Ratio - Input:Output	1:2	Fault Protection	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Output (Max)	500mA
Package	Tape & Reel (TR)	Base Product Number	STMPS2242
Output Type	-		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STMPS2242MTR

Product Attribute				
Part Number	STMPS2242MTR	STMPS2171MTR	STMPS2171TTR	STMPS2161TTR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Number of Outputs	2	1	1	1
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Load	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Output Configuration	High Side	High Side	High Side	High Side
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Interface	On/Off	On/Off	On/Off	On/Off
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Fault Protection	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Output Type	-	N-Channel	N-Channel	N-Channel
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Features	-	-	-	-
Rds On (Typ)	105mOhm	110mOhm	110mOhm	110mOhm
Current - Output (Max)	500mA	1A	1A	1A
Base Product Number	STMPS2242	STMPS2171	STMPS2171	STMPS2161
Supplier Device Package	8-SOIC	8-SOIC	8-MSOP	8-MSOP
Ratio - Input:Output	1:2	1:1	1:1	1:1
Series	-	-	-	-

STMPS2242MTR Datasheet PDF

Download STMPS2242MTR pdf datasheets and STMicroelectronics documentation for STMPS2242MTR - STMicroelectronics.

PCN Packaging


Moisture Barrier Bag 09/May/2016.pdf

Mult Dev Inner Pkg Chg 30/Oct/2019.pdf

PCN Assembly/Origin

Mult Dev Assembly Chg 8/Apr/2021.pdf

PCN Design/Specification

 LeadFrame Material Update 11/Mar/2014.pdf

HTML Datasheet

 STMP522x2.pdf

Customers Also Interested in

Recommended Products



STMUX1000L
STMicroelectronics



STMP52252MT
STMicroelectronics



STMPS2171MTR
STMicroelectronics
IC PWR SWITCH N-CHANNEL 1:1
8SO



STMP52242
STMicroelectronics



STMPS2171TTR
STMicroelectronics
IC PWR SWITCH N-CHAN 1:1 8MSOP



STMPS2161TTR
STMicroelectronics
IC PWR SWITCH N-CHAN 1:1 8MSOP



STMPS2252MTR
STMicroelectronics
IC PWR SWITCH 1:2 8SO



STMPS2151TTR
STMicroelectronics
IC PWR SWITCH N-CHAN 1:1 8MSOP



STMPS2262TTR
STMicroelectronics
IC PWR SWITCH 1:2 8MSOP



STMPS2262MTR
STMicroelectronics
IC PWR SWITCH 1:2 8SO



STM1220-6FP
STMicroelectronics



STMPS2161STR
STMicroelectronics
IC PWR SWITCH N-CHAN 1:1 SOT23-
5



STMPS2242TTR
STMicroelectronics
IC PWR SWITCH 1:2 8MSOP



STMPS2151S
STMicroelectronics



STMPS2171STR
STMicroelectronics
IC PWR SWITCH N-CHAN 1:1 SOT23-
5



STMPS2151STR
STMicroelectronics
IC PWR SWITCH N-CHAN 1:1 SOT23-
5



STMPS2161MTR
STMicroelectronics
IC PWR SWITCH N-CHANNEL 1:1
8SO



STMPS2272MTR
STMicroelectronics
IC PWR SWITCH 1:2 8SO

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

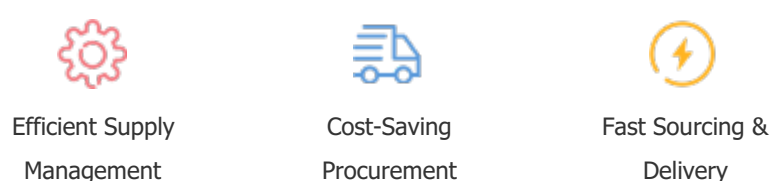
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

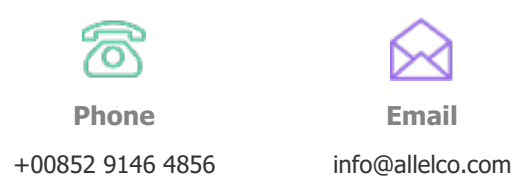
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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