



# STL40C30H3LL

Manufacturer Part Number	<b>STL40C30H3LL</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STL40C30H3LL
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N/P-CH 30V POWERFLAT
Package	8-PowerVDFN
Data sheet	<b>STL40C30H3LL.pdf</b>
RoHs Status	ROHS3 Compliant

Get a Quote

STL40C30H3LL - STMicroelectronics.New Original in Stock. Download Linear Technology STL40C30H3LL datasheet/specifications on AllelcoElec.com.  
Request a quote for STL40C30H3LL, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

STL40C30H3LL Tech Specifications  
STL40C30H3LL - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1V @ 250µA (Min)	Mounting Type	Surface Mount
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	475pF @ 24V
Supplier Device Package	PowerFlat™ (5x6)	Gate Charge (Qg) (Max) @ Vgs	4.6nC @ 4.5V
Series	STripFET™ VI	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	21mOhm @ 4A, 10V	Drain to Source Voltage (Vdss)	30V
Power - Max	60W	Current - Continuous Drain (Id) @ 25°C	40A, 30A
Package / Case	8-PowerVDFN	Configuration	N and P-Channel
Package	Tape & Reel (TR)	Base Product Number	STL40

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STL40C30H3LL

Product Attribute	NO PICTURE	life.augmented		
Part Number	STL40C30H3LL	STL40DN3LLH5	STL45N65M5	STL40N75LF3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Continuous Drain (Id) @ 25°C	40A, 30A	40A	3.8A (Ta), 22.5A (Tc)	40A (Tc)
Rds On (Max) @ Id, Vgs	21mOhm @ 4A, 10V	18mOhm @ 5.5A, 10V	86mOhm @ 14.5A, 10V	19mOhm @ 20A, 10V
FET Feature	Logic Level Gate	-	-	-
Base Product Number	STL40	STL40	STL45	STL40
Series	STripFET™ VI	STripFET™ V	MDmesh™ V	STripFET™ III
Configuration	N and P-Channel	2 N-Channel (Dual)	-	-
Gate Charge (Qg) (Max) @ Vgs	4.6nC @ 4.5V	4.5nC @ 4.5V	82 nC @ 10 V	12 nC @ 5 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Package / Case	8-PowerVDFN	8-PowerVDFN	8-PowerVDFN	8-PowerVDFN
Power - Max	60W	60W	-	-
Drain to Source Voltage (Vdss)	30V	30V	650 V	75 V
Input Capacitance (Ciss) (Max) @ Vds	475pF @ 24V	475pF @ 25V	3470 pF @ 100 V	1300 pF @ 25 V
Vgs(th) (Max) @ Id	1V @ 250µA (Min)	1.5V @ 250µA	5V @ 250µA	1V @ 250µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	PowerFlat™ (5x6)	PowerFlat™ (5x6)	PowerFLAT™ (8x8)	PowerFlat™ (5x6)

## STL40C30H3LL Datasheet PDF

Download STL40C30H3LL pdf datasheets and STMicroelectronics documentation for STL40C30H3LL - STMicroelectronics.

### Datasheets

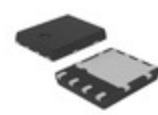
[STL40C30H3LL.pdf](#)

### PCN Obsolescence/ EOL

[Mult Dev OBS 12/Sep/2019.pdf](#)

## Customers Also Interested in

### Recommended Products

**STL45N65M5**STMicroelectronics  
MOSFET N-CH 650V 22.5A PWRFLAT**STL40N75LF3**STMicroelectronics  
MOSFET N-CH 75V 40A POWERFLAT

NO PICTURE

**STL3888-PPDH**

SENTELIC



life.augmented

**STL42P6LLF6**STMicroelectronics  
MOSFET P-CH 60V 42A POWERFLAT

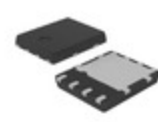
life.augmented

**STL45N60DM6**STMicroelectronics  
MOSFET N-CH 600V 25A PWRFLAT HV

life.augmented

**STL45N10F7AG**STMicroelectronics  
MOSFET N-CH 100V 18A POWERFLAT

life.augmented

**STL38N65M5**STMicroelectronics  
MOSFET N-CH 650V PWRFLAT HV

life.augmented

**STL3NM60N**STMicroelectronics  
MOSFET N-CH 600V 0.65A POWERFLAT

life.augmented

**STL3P6F6**STMicroelectronics  
MOSFET P-CH 60V 3A POWERFLAT**STL42P4LLF6**STMicroelectronics  
MOSFET P-CH 40V 42A POWERFLAT**STL3NK40**STMicroelectronics  
MOSFET N-CH 400V 430MA POWERFLAT

life.augmented

**STL45P3LLH6**STMicroelectronics  
MOSFET P-CH 30V 45A POWERFLAT

life.augmented



life.augmented



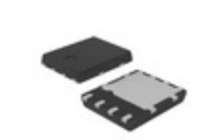
NO PICTURE



life.augmented

**STL3N10F7**STMicroelectronics  
MOSFET N-CH 100V 4A POWERFLAT**STL42N65M5**STMicroelectronics  
MOSFET N-CH 650V 4A PWRFLAT HV**STL3888-MPLH**

N/A

**STL40N10F7**STMicroelectronics  
MOSFET N-CH 100V 40A POWERFLAT**STL3N65M2**STMicroelectronics  
MOSFET N-CH 650V 2.3A POWERFLAT

life.augmented

**STL40DN3LLH5**STMicroelectronics  
MOSFET 2N-CH 30V 40A POWERFLAT56

## 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.

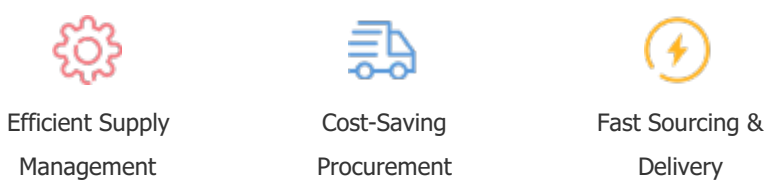
Contact us if you have any questions.

## 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



[View More](#)