



TPIC44L01DB Information



For Reference Only

Part Number TPIC44L01DB

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER PRE FET 4 CHAN 24-SSOP

Package 24-SSOP (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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TPIC44L01DB Specifications

Manufacturer Part Number TPIC44L01DB Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 24-SSOP (0.209", 5.30mm Width) Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 1.2mA, 1.2mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 3.5µs, 3µs Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package 24-SSOP		
Category Package Pack	Manufacturer Part Number	TPIC44L01DB
PMIC - Gate DriversPackage24-SSOP (0.209", 5.30mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers4Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)1.2mA, 1.2mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Manufacturer	Texas Instruments
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Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers4Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)1.2mA, 1.2mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP Low-Side Independent Low-Side Independent Low-Side 1. Independent A. Surce Mount 1. 2mA, 1. 2mA 1.	Package	24-SSOP (0.209", 5.30mm Width)
Channel Type Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 3.5µs, 3µs Operating Temperature 4-0°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)1.2mA, 1.2mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Channel Type	Independent
Voltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)1.2mA, 1.2mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Number of Drivers	4
Logic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)1.2mA, 1.2mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)1.2mA, 1.2mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Voltage - Supply	4.5 V ~ 5.5 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)3.5μs, 3μsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Current - Peak Output (Source, Sink)	1.2mA, 1.2mA
Rise / Fall Time (Typ) $3.5\mu s, 3\mu s$ Operating Temperature $-40^{\circ}C \sim 150^{\circ}C$ (TJ) Mounting Type Surface Mount Package / Case 24-SSOP $(0.209^{\circ}, 5.30\text{mm Width})$ Supplier Device Package 24-SSOP	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package 24-SSOP	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package 24-SSOP	Rise / Fall Time (Typ)	3.5µs, 3µs
Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package 24-SSOP	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 24-SSOP	Mounting Type	Surface Mount
	Package / Case	24-SSOP (0.209", 5.30mm Width)
Report errors?	Supplier Device Package	24-SSOP
		Report errors?

TPIC44L01DB 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.

TPIC44L01DB Payment Methods





















TPIC44L01DB Shipping Methods













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