



TPIC46L01DBG4 Information



For Reference Only

Part Number TPIC46L01DBG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER PRE FET 6 CHAN 28-SSOP

Package 28-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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









TPIC46L01DBG4 Specifications

Manufacturer Part Number TPIC46L01DBG4 Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 28-SSOP (0.209", 5.30mm Width) Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 6 Gate Type N-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 28-SSOP (0.209", 5.30mm Width) Supplier Device Package 28-SSOP		
CategoryIntegrated Circuits (ICs)Package28-SSOP (0.209", 5.30mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers6Gate TypeN-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Manufacturer Part Number	TPIC46L01DBG4
PMIC - Gate DriversPackage28-SSOP (0.209", 5.30mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers6Gate TypeN-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Manufacturer	Texas Instruments
Package28-SSOP (0.209", 5.30mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers6Gate TypeN-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers6Gate TypeN-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 6 Gate Type N-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 28-SSOP Low-Side Independent Low-Side Independent Low-Side No-Cannel MOSFET Voltage - Max (Bootstrap) - Cannel MOSFET No-Cannel MOSFET No-Cannel MOSFET Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 1.2mA, 1.2mA Non-Inverting - Non-Inverting - Voltage - Max (Bootstrap) Surface Mount Package / Case 28-SSOP (0.209", 5.30mm Width)	Package	28-SSOP (0.209", 5.30mm Width)
Channel Type Number of Drivers 6 Gate Type N-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 40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 28-SSOP (0.209", 5.30mm Width) Supplier Device Package	Series	-
Number of Drivers Gate Type N-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 28-SSOP (0.209", 5.30mm Width) Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Number of Drivers	6
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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Gate Type	N-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-SSOP	Voltage - Supply	4.5 V ~ 5.5 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ) $3.5\mu s$, $3\mu s$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountPackage / Case 28-SSOP (0.209", 5.30mm Width)Supplier Device Package 28-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 / Case28-SSOP (0.209", 5.30mm Width)Supplier Device Package28-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 28-SSOP $(0.209^{\circ}, 5.30\text{mm Width})$ Supplier Device Package 28-SSOP	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 28-SSOP (0.209", 5.30mm Width) Supplier Device Package 28-SSOP	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 28-SSOP (0.209", 5.30mm Width) Supplier Device Package 28-SSOP	Rise / Fall Time (Typ)	3.5µs, 3µs
Package / Case 28-SSOP (0.209", 5.30mm Width) Supplier Device Package 28-SSOP	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 28-SSOP	Mounting Type	Surface Mount
	Package / Case	28-SSOP (0.209", 5.30mm Width)
Report errors?	Supplier Device Package	28-SSOP
		Report errors?

TPIC46L01DBG4 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.

TPIC46L01DBG4 Payment Methods





















TPIC46L01DBG4 Shipping Methods













If you have any question about TPIC46L01DBG4, please do not hesitate to contact us!

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