



### **TPIC44L02DBG4 Information**



For Reference Only

Part Number TPIC44L02DBG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER PRE FET 4 CHAN 24SSOP **Package** 24-SSOP (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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## **TPIC44L02DBG4 Specifications**

Manufacturer Part Number         TPIC44L02DBG4           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	TPIC44L02DBG4
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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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. Sur	Package	24-SSOP (0.209", 5.30mm Width)
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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
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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 $24\text{-SSOP}$ $(0.209^{\circ}, 5.30\text{mm Width})$ Supplier Device Package $24\text{-SSOP}$	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?

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#### **Quality Guarantees**

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