

UC3715NG4 Information



For Reference Only

Part Number UC3715NG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC COMPLEMENT SW FET DRVR 8-DIP

Package 8-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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



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UC3715NG4 Specifications

Manufacturer Part NumberUC3715NG4ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough Hole		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-DIP (0.300", 7.62mm) Series - Driven Configuration Low-Side Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 7 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 150°C (TJ)	Manufacturer Part Number	UC3715NG4
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Series - Low-Side Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 7 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 500mA, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 30ns, 25ns Operating Temperature 0°C ~ 150°C (TJ)		PMIC - Gate Drivers
Driven Configuration Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply Type Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Low-Side Synchronous N-Channel, P-Channel MOSFET 7 V ~ 20 V 0.8V, 2V Voltage - WIL, VIH 0.8V, 2V Source, Sink) Source, Sink) Oor - 150°C (TJ)	Package	8-DIP (0.300", 7.62mm)
Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 7 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Synchronous N-Channel MOSFET 7 V ~ 20 V 0.8V, 2V 0.8V, 2V	Series	-
Number of Drivers Gate Type N-Channel, P-Channel MOSFET 7 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 2 N-Channel MOSFET 7 V ~ 20 V 0.8V, 2V 500mA, 1A Non-Inverting - Rise / Fall Time (Typ) 30ns, 25ns Operating Temperature	Driven Configuration	Low-Side
Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply $7 \text{ V} \sim 20 \text{ V}$ Logic Voltage - VIL, VIH $0.8\text{V}, 2\text{V}$ Current - Peak Output (Source, Sink) $500\text{mA}, 1\text{A}$ Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ) $30\text{ns}, 25\text{ns}$ Operating Temperature $0^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)	Channel Type	Synchronous
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 7 V ~ 20 V 0.8V, 2V 500mA, 1A Non-Inverting - 300s, 25ns 0°C ~ 150°C (TJ)	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature0°C ~ 150°C (TJ)	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 500mA, 1A	Voltage - Supply	7 V ~ 20 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap)	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 30ns, 25ns Operating Temperature 0°C ~ 150°C (TJ)	Current - Peak Output (Source, Sink)	500mA, 1A
Rise / Fall Time (Typ) $30ns, 25ns$ Operating Temperature $0^{\circ}C \sim 150^{\circ}C$ (TJ)	Input Type	Non-Inverting
Operating Temperature $0^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	High Side Voltage - Max (Bootstrap)	-
1 0 1	Rise / Fall Time (Typ)	30ns, 25ns
Mounting Type Through Hole	Operating Temperature	0°C ~ 150°C (TJ)
	Mounting Type	Through Hole
Package / Case 8-DIP (0.300", 7.62mm)	Package / Case	8-DIP (0.300", 7.62mm)
Supplier Device Package 8-PDIP	Supplier Device Package	8-PDIP
Report errors?		Report errors?

UC3715NG4 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.

UC3715NG4 Payment Methods



















UC3715NG4 Shipping Methods













If you have any question about UC3715NG4, please do not hesitate to contact us!

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