



## **TC1411CPA Information**



For Reference Only

Part Number TC1411CPA

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC MOSFET DVR 1A HS INV 8DIP

**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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# **TC1411CPA Specifications**

Manufacturer Part Number         TC141 ICPA           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           PMIC - Gate Drivers           Package         8-DIP (0.300", 7.62mm)           Series         -           Driven Configuration         Low-Side           Channel Type         Single           Number of Drivers         1           Gate Type         N-Channel, P-Channel MOSFET           Voltage - Supply         4.5 V ~ 16 V           Logic Voltage - VIL, VIH         0.8V, 2V           Current - Peak Output (Source, Sink)         1A, 1A           Input Type         Inverting           High Side Voltage - Max (Bootstrap)         -           Rise / Fall Time (Typ)         25ns, 25ns           Operating Temperature         0°C ~ 150°C (TJ)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-PDIP		
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Manufacturer Part Number	TC1411CPA
Package 8-DIP (0.300", 7.62mm)  Series - Driven Configuration Low-Side  Channel Type Single  Number of Drivers 1  Gate Type N-Channel, P-Channel MOSFET  Voltage - Supply 4.5 V ~ 16 V  Logic Voltage - VIL, VIH 0.8V, 2V  Current - Peak Output (Source, Sink) 1A, 1A  Input Type Inverting  High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 25ns  Operating Temperature 0°C ~ 150°C (TJ)  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package	Manufacturer	Microchip Technology
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Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP		PMIC - Gate Drivers
Driven Configuration  Channel Type Single  Number of Drivers 1 Gate Type N-Channel, P-Channel MOSFET  Voltage - Supply 4.5 V ~ 16 V  Logic Voltage - VIL, VIH 0.8V, 2V  Current - Peak Output (Source, Sink) 1A, 1A  Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package	Package	8-DIP (0.300", 7.62mm)
Channel Type  Number of Drivers  1  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Series	-
Number of Drivers  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Channel Type	Single
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Voltage - Supply	4.5 V ~ 16 V
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Operating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	High Side Voltage - Max (Bootstrap)	-
Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-PDIP	Rise / Fall Time (Typ)	25ns, 25ns
Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-PDIP	Operating Temperature	0°C ~ 150°C (TJ)
Supplier Device Package 8-PDIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	8-PDIP
		Report errors?

#### **TC1411CPA 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.

# **TC1411CPA Payment Methods**



















## **TC1411CPA Shipping Methods**













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