



FAN3121TMPX Information



For Reference Only

Part Number FAN3121TMPX

Manufacturer Fairchild/ON Semiconductor

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC GATE DVR SGL 9A HS INV 8-MLP

Package 8-WDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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FAN3121TMPX Specifications

Manufacturer Part NumberFAN3121TMPXManufacturerFairchild/ON SemiconductorCategoryIntegrated Circuits (ICs)Package8-WDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)10.6A, 11.4AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)23ns, 19nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-MLP (3x3)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-WDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET 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 Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad S-MLP (3x3)	Manufacturer Part Number	FAN3121TMPX
Package 8-WDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 10.6A, 11.4A Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 23ns, 19ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Manufacturer	Fairchild/ON Semiconductor
Package8-WDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)10.6A, 11.4AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)23ns, 19nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-MLP (3x3)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)10.6A, 11.4AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)23ns, 19nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-MLP (3x3)		PMIC - Gate Drivers
Driven Configuration Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 18 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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Package	8-WDFN Exposed Pad
Channel Type Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 18 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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 18 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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)10.6A, 11.4AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)23ns, 19nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-MLP (3x3)	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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)10.6A, 11.4AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)23ns, 19nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-MLP (3x3)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-MLP (3x3)	Voltage - Supply	4.5 V ~ 18 V
Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 23ns, 19ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-MLP (3x3)	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-MLP (3x3)	Current - Peak Output (Source, Sink)	10.6A, 11.4A
Rise / Fall Time (Typ) 23ns, 19ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-MLP (3x3)	Input Type	Inverting
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-MLP (3x3)	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-MLP (3x3)	Rise / Fall Time (Typ)	23ns, 19ns
Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-MLP (3x3)	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package 8-MLP (3x3)	Mounting Type	Surface Mount
	Package / Case	8-WDFN Exposed Pad
Report errors?	Supplier Device Package	8-MLP (3x3)
•		Report errors?

FAN3121TMPX 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.

FAN3121TMPX Payment Methods



















FAN3121TMPX Shipping Methods













If you have any question about FAN3121TMPX, please do not hesitate to contact us!

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