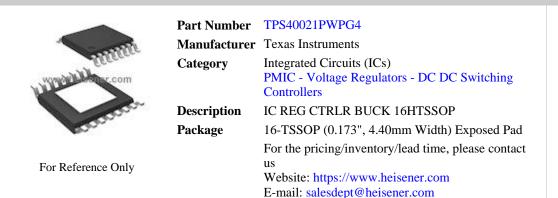


TPS40021PWPG4

TPS40021PWPG4 Information





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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.



TPS40021PWPG4 Specifications

Manufacturer Texas Instruments Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 16-TSSOP (0.173", 4.40mm Width) Exposed Pad Series - Output Type Transistor Driver Punction Step-Down Output Configuration Positive Poology Buck Number of Outputs 1 Output Phases 1 Prequency - Switching 100kHz ~ 1MHz Output Cycle (Max) 95% Synchronous Rectifier - Control Features - Control Features - Control Features - Operating Temperature - Package / Case 6-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 16-HTSSOP			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-TSSOP (0.173", 4.40mm Width) Exposed PadPackage-Series-Dutput TypeTransistor DriverFunctionStep-DownDutput ConfigurationPositiveFopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.55 VPrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous Rectifier-Serial Interfaces-Control FeaturesCirrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case16-HTSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer Part Number	TPS40021PWPG4	
PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-TSSOP (0.173", 4.40mm Width) Exposed PadSeries-Dutput TypeTransistor DriverFunctionStep-DownDutput ConfigurationPositiveFopologyBuckNumber of Outputs1Dutput Phases1Dutput Cycle (Max)2.25 V ~ 5.5 VSynchronous RectifierYesClock SyncYesClortor Features-Control Features-Control Features-Control Features-Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer	Texas Instruments	
Package16-TSSOP (0.173", 4.40mm Width) Exposed PadSeries-Dutput TypeTransistor DriverFunctionStep-DownDutput ConfigurationPositiveTopologyBuckNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesControl Features-Control Features-Operating Temperature-40°C ~ 85°C (TA)Package / Case16-HTSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Category	Integrated Circuits (ICs)	
Series-Dutput TypeTransistor DriverFunctionStep-DownDutput ConfigurationPositiveTopologyBuckNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesControl FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-HTSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP		PMIC - Voltage Regulators - DC DC Switching Controllers	
Dutput TypeTransistor DriverFunctionStep-DownDutput ConfigurationPositiveFopologyBuckNumber of Outputs1Dutput Phases1Output Cycle (Max)2.25 V ~ 5.5 VSynchronous Rectifier95%Synchronous RectifierYesClock SyncYesControl FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Supplier Device Package16-HTSSOP	Package	16-TSSOP (0.173", 4.40mm Width) Exposed Pad	
FunctionStep-DownDutput ConfigurationPositiveFopologyBuckNumber of Outputs1Output Phases1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case16-TTSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Series	-	
Dutput ConfigurationPositiveFopologyBuckNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TTSSOP (0.173", 4.40mm Width) Exposed Pad	Output Type	Transistor Driver	
FopologyBuckNumber of Outputs1Output Phases1Output Phases2.25 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Function	Step-Down	
Number of Outputs1Dutput Phases1Output Phases2.25 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesClock SyncYesControl Features-Operating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Output Configuration	Positive	
Dutput Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Topology	Buck	
Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Number of Outputs	1	
Frequency - Switching100kHz ~ 1MHzDuty Cycle (Max)95%Synchronous RectifierYesClock SyncYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Output Phases	1	
Duty Cycle (Max)95%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Voltage - Supply (Vcc/Vdd)	2.25 V ~ 5.5 V	
Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Frequency - Switching	$100 \text{kHz} \sim 1 \text{MHz}$	
Clock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Duty Cycle (Max)	95%	
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Synchronous Rectifier	Yes	
Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Clock Sync	Yes	
Operating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Serial Interfaces	-	
Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-HTSSOP	Control Features	Current Limit, Enable, Frequency Control, Power Good, Soft Start	
Supplier Device Package 16-HTSSOP	Operating Temperature	-40°C ~ 85°C (TA)	
	Package / Case	16-TSSOP (0.173", 4.40mm Width) Exposed Pad	
Report errors?	Supplier Device Package	16-HTSSOP	
*			Report errors?

TPS40021PWPG4 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

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

TPS40021PWPG4 Payment Methods





If you have any question about TPS40021PWPG4, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com