

# SC4510ITSTR

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## **SC4510ITSTR Information**

Contraction for the second sec	Part Number	SC4510ITSTR
	Manufacturer	Semtech Corporation
	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers
	Description	IC REG CTRLR BUCK 20TSSOP
	Package	20-TSSOP (0.173", 4.40mm Width)
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com
		E-mail: salesdept@heisener.com

## **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.



## **SC4510ITSTR Specifications**

Manufacturer Part Number SC4510TSTR   Manufacturer Semtech Corporation   Category Integrated Circuits (ICs)   PMIC - Voltage Regulators - DC DC Switching Controllers PMIC - Voltage Regulators - DC DC Switching Controllers   Package 20-TSSOP (0.173", 4.40mm Width)   Series -   Output Type Transistor Driver   Function Step-Down   Output Configuration Posk   Youtput Configuration Buck   Number of Outputs 1   Output Phases 1   Youtput Phases 100kHz ~ 1MHz   Duty Cycle (Max) 90%   Synchronous Rectifier Yes   Clock Sprc Yes   Clorut Features Audor As5°C (TJ)   Package / Case 20-TSSOP (0.173", 4.40mm Width)	-			
ActegratedIntegrated Crusits (ICs)Package20-TSSOP (0.173", 4.40mm Width)Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationBuckYoutput Phases1Output Phases100kHz ~ 10KHzVoltage - Supply (Vcc/Vdd)4.75V ~ 16VSynchronous RectifierYesClock SyncYesClock SyncYesClortof Features-Output Ffaces-Output Ffaces- <td>Manufacturer Part Number</td> <td colspan="2">SC4510ITSTR</td>	Manufacturer Part Number	SC4510ITSTR		
PMC - Voltage Regulators - DC DC Switching ControllersPackage20-TSSOP (0.173", 4.40mm Width)Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4.75V ~ 16VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)90%Synchronous RectifierYesClock SyncYesSerial Interfaces-Output Frequency Control, Power Good, Soft StartOperating Temperature4.40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Manufacturer	Semtech Corporation		
Package20-TSSOP (0.173", 4.40mm Width)Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4.75V ~ 16VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)90%Synchronous RectifierYesClock SyncYesControl Features-Output Frequency Case2.0'TSSOP (0.173", 4.40mm Width)Spelier Device Package20-TSSOP	Category	Integrated Circuits (ICs)		
Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4.75V ~ 16VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)90%Synchronous RectifierYesClock SyncYesControl Features-Output Fraquency Control, Power Good, Soft StartOperating Temperature-Avo°c ~ 85°C (TJ)Package / Case0.7SSOPSupplier Device Package0.7SSOP		PMIC - Voltage Regulators - DC DC Switching Controllers		
Output TypeTransistor DriverFunctionKep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Synchrolup4.75V~16VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)90%Synchronous RectifierYesClock SyncFequency Control FourgetSerial Interfaces-Output Factures4.0°C ~ 85°C (TJ)Package / Case0-TSSOP (0.173", 4.40mm Width)Supplier Device Package0-TSSOP	Package	20-TSSOP (0.173", 4.40mm Width)		
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Phases1Voltage - Supply (Vcc/Vdd)4.75V ~ 16VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)90%Synchronous RectifierYesClock Sync-Serial Interfaces-Output FeaturesEnable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)	Series	-		
Output ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4.75V ~ 16VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)90%Synchronous RectifierYesClock SyncYesSerial Interfaces-Operating Temperature-40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Output Type	Transistor Driver		
TopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4.75V ~ 16VFrequency - Switching100kHz ~ 1MHzDuty Cycle (Max)90%Synchronous RectifierYesClock SyncYesSerial Interfaces-Ontrol FeaturesEnable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Function	Step-Down		
Number of Outputs 1   Output Phases 1   Voltage - Supply (Vcc/Vdd) 4.75V ~ 16V   Frequency - Switching 100kHz ~ 1MHz   Duty Cycle (Max) 90%   Synchronous Rectifier Yes   Clock Sync Yes   Clortol Features -   Operating Temperature -40°C ~ 85°C (TJ)   Package / Case 20-TSSOP (0.173", 4.40mm Width)   Supplier Device Package 20-TSSOP	Output Configuration	Positive		
Output Phases I   Voltage - Supply (Vcc/Vdd) 4.75V ~ 16V   Frequency - Switching 100kHz ~ 1MHz   Duty Cycle (Max) 90%   Synchronous Rectifier Yes   Clock Sync Yes   Serial Interfaces -   Control Features Enable, Frequency Control, Power Good, Soft Start   Operating Temperature 20*C ~ 85°C (TJ)   Package / Case 20*TSSOP (0.173", 4.40mm Width)	Topology	Buck		
Voltage - Supply (Vcc/Vdd) 4.75V ~ 16V   Frequency - Switching 100kHz ~ 1MHz   Duty Cycle (Max) 90%   Synchronous Rectifier Yes   Clock Sync Yes   Serial Interfaces -   Control Features Enable, Frequency Control, Power Good, Soft Start   Operating Temperature -40°C ~ 85°C (TJ)   Package / Case 20-TSSOP (0.173", 4.40mm Width)   Supplier Device Package 20-TSSOP	Number of Outputs	1		
Frequency - Switching 100kHz ~ 1MHz   Duty Cycle (Max) 90%   Synchronous Rectifier Yes   Clock Sync Yes   Clock Sync Yes   Serial Interfaces -   Control Features Enable, Frequency Control, Power Good, Soft Start   Operating Temperature -40°C ~ 85°C (TJ)   Package / Case 20-TSSOP (0.173", 4.40mm Width)   Supplier Device Package 20-TSSOP	Output Phases	1		
Duty Cycle (Max)90%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Voltage - Supply (Vcc/Vdd)	4.75V ~ 16V		
Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Frequency - Switching	100kHz ~ 1MHz		
Clock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Duty Cycle (Max)	90%		
Serial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Synchronous Rectifier	Yes		
Control FeaturesEnable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Clock Sync	Yes		
Operating Temperature-40°C ~ 85°C (TJ)Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Serial Interfaces	-		
Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Control Features	Enable, Frequency Control, Power Good, Soft Start		
Supplier Device Package 20-TSSOP	Operating Temperature	-40°C ~ 85°C (TJ)		
	Package / Case	20-TSSOP (0.173", 4.40mm Width)		
Report errors?	Supplier Device Package	20-TSSOP		
		Report errors?		

#### **SC4510ITSTR 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.

### **SC4510ITSTR Payment Methods**



## **SC4510ITSTR Shipping Methods**



If you have any question about SC4510ITSTR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com