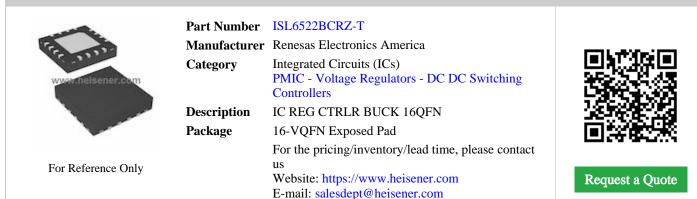


ISL6522BCRZ-T

ISL6522BCRZ-T Information



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.



ISL6522BCRZ-T Specifications

ManufacturerRenesas Electronics AmericaManufacturerIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-VQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VPrequency - Switching200kHzDuty Cycle (Max)10%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features6.2 (TA)Package / Case16.7 (YC (TA)Package / Case16.7 (YC (TA)		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching ControllersPackage16-VQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VPrequency - Switching200kHzSynchronous RectifierYesClock SyncNoSerial Interfaces-Output Faces-Output Faces-Output Faces-Serial Interfaces-Output Faces-Output Faces-Serial Interfaces-Output Faces-Output Faces-Supplier Device Package16-VPIN Exposed PadSupplier Device Package16-QFN-Ef (StS)	Manufacturer Part Number	ISL6522BCRZ-T
PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-VQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VFrequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VFN Exposed PadSupplier Device Package16-VFN Exposed Pad	Manufacturer	Renesas Electronics America
Package16-VQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VErequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Category	Integrated Circuits (ICs)
Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VFrequency - Switching200kHzDuty Cycle (Max)10%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features0°C ~ 70°C (TA)Package / Case16-QFN-EP (5x5)		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Cycle (Max)10.8 V ~ 13.2 VDuty Cycle (Max)200kHzSynchronous RectifierYesClock SyncNoSerial Interfaces-Output Factage (Case)6°C ~ 70°C (TA)Package / Case16-VQFN EgyschSupplier Device Package16-VFN Egysch	Package	16-VQFN Exposed Pad
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Phases10.8 V ~ 13.2 VVoltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VDuty Cycle (Max)200kHzSynchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-QFN-EP (5x5)	Series	-
Dutput ConfigurationPositiveDoutput ConfigurationBuckTopologyBuckNumber of Outputs1Output Phases1Output Phases10.8 V ~ 13.2 VVoltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VPrequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Output Type	Transistor Driver
PropologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VPrequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EF (5x5)	Function	Step-Down
Number of Outputs1Output Phases1Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VFrequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Output Configuration	Positive
Output Phases1Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VFrequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Topology	Buck
Voltage - Supply (Vcc/Vdd)10.8 V ~ 13.2 VFrequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Number of Outputs	1
Frequency - Switching200kHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Output Phases	1
Duty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Voltage - Supply (Vcc/Vdd)	10.8 V ~ 13.2 V
Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Frequency - Switching	200kHz
Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Duty Cycle (Max)	100%
Serial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Synchronous Rectifier	Yes
Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Clock Sync	No
Operating Temperature0°C ~ 70°C (TA)Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Serial Interfaces	-
Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Control Features	Enable, Frequency Control, Phase Control, Soft Start
Supplier Device Package 16-QFN-EP (5x5)	Operating Temperature	$0^{\circ}C \sim 70^{\circ}C$ (TA)
	Package / Case	16-VQFN Exposed Pad
Report errors?	Supplier Device Package	16-QFN-EP (5x5)
		Report errors?

ISL6522BCRZ-T 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 BUARANTEE

Service Guarantees

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

ISL6522BCRZ-T Payment Methods





If you have any question about ISL6522BCRZ-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com