

## TS3000GB2A1NCG8

#### TS3000GB2A1NCG8 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.



#### TS3000GB2A1NCG8 Specifications

NumberTS3000GB2AINCG8NumberIDT, Integrated Device Technology IncCategorySensors, TransducersTemperature Sensors, TransducersPackage8-WFDFN Exposed PadSeries-Sensor TypeDigital, LocalSensing Temperature - Local-20°C ~ 125°CSensing Temperature - Remote-Sensorting Temperature - Local-Sensing Temperature - Remote-Sensing Temperature - Local-Sensing Temperature - Local-Sensing Temperature - Remote-Sensing Temperature - Remote-Sensing Temperature - Remote-Sensing Temperature - Remote-Sensing Temperature - Remote-Sensing Temperature - Local-Sensing Temperature - Remote-Sensing Temperature - Remote-Sensing Temperature - Remote-Sensing Temperature - Local-Sensing Temperature - Remote-Sensing Temperature - Remote <t< th=""><th></th><th></th></t<>		
CategorySensors, TransducersTemperature Sensors, TransducersPackage8-WFDFN Exposed PadSeries-Sensor TypeDigital, LocalSensing Temperature - Local-0°C ~ 125°CSensing Temperature - Remote-Sufter Supperature - Resolution-Supperature Supperature Supperature - Resolution-Supperature Supperature Suppe	Manufacturer Part Number	TS3000GB2A1NCG8
Temperature Sensors, TransducersPackage8-WFDFN Exposed PadSeries-Sensor TypeDigital, LocalSensing Temperature - Local-20°C ~ 125°CSensing Temperature - Remote-Output TypeSMBusVoltage - Supply2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest 	Manufacturer	IDT, Integrated Device Technology Inc
Package8-WFDFN Exposed PadSeries-Sensor TypeDigital, LocalSensor Type-20°C ~ 125°CSensing Temperature - Remote-20°C ~ 125°COutput TypeSMBusOutput TypeSMBusVoltage - Supply2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeCouracy - Highest (Lowest)±1°C (±3°C)Operating Temperature-20°C ~ 125°COperating Temperature-20°C ~ 125°CMounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQEPN (2x3)	Category	Sensors, Transducers
Series-Sensor TypeDigital, LocalSensing Temperature - Local-20°C ~ 125°CSensing Temperature - Remote-0utput TypeSMBusOutput Type2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Lowest)1°C (±3°C)7est Condition5°C ~ 95°C (-20°C ~ 125°C)Operating Temperature Pockage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)		Temperature Sensors, Transducers
Sensor TypeDigital, LocalSensing Temperature - Local-20°C ~ 125°CSensing Temperature - Remote-Output TypeSMBusOutput Type2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Loowest)±1°C (±3°C)Test Condition75°C ~ 95°C (-20°C ~ 125°C)Operating Temperature Package / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Package	8-WFDFN Exposed Pad
ACLocal-20°C ~ 125°CSensing Temperature - Remote-Output TypeSMBusVoltage - Supply2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Lowest)±1°C (±3°C)Test Condition75°C ~ 95°C (-20°C ~ 125°C)Operating Temperature Package / CaseSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Series	-
Local-20°C ~ 125°CSensing Temperature - Remote-Output TypeSMBusVoltage - Supply2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Lowest)±1°C (±3°C)Test Condition75°C ~ 95°C (-20°C ~ 125°C)Operating Temperature Package / CaseSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Sensor Type	Digital, Local
Remote-Output TypeSMBusVoltage - Supply2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Lowest)±1°C (±3°C)7est Condition75°C ~ 95°C (-20°C ~ 125°C)Operating Temperature-20°C ~ 125°CMounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Sensing Temperature - Local	-20°C ~ 125°C
Voltage - Supply2.3 V ~ 3.6 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Lowest)±1°C (±3°C)Test Condition75°C ~ 95°C (-20°C ~ 125°C)Operating Temperature-20°C ~ 125°CMounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Sensing Temperature - Remote	_
Resolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Lowest) $\pm 1^{\circ}C (\pm 3^{\circ}C)$ Test Condition $75^{\circ}C \sim 95^{\circ}C (-20^{\circ}C \sim 125^{\circ}C)$ Operating Temperature $-20^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Output Type	SMBus
FeaturesOutput Switch, Programmable Limit, Programmable Resolution, Selectable Hysteresis, Shutdown Mode, Standby ModeAccuracy - Highest (Lowest) $\pm 1^{\circ}C (\pm 3^{\circ}C)$ Test Condition $75^{\circ}C \sim 95^{\circ}C (-20^{\circ}C \sim 125^{\circ}C)$ Operating Temperature $-20^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Voltage - Supply	2.3 V ~ 3.6 V
FeaturesMode, Standby ModeAccuracy - Highest (Lowest)±1°C (±3°C)Test Condition75°C ~ 95°C (-20°C ~ 125°C)Operating Temperature-20°C ~ 125°CMounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Resolution	11 b
(Lowest)±1°C (±3°C)Test Condition75°C ~ 95°C (-20°C ~ 125°C)Operating Temperature-20°C ~ 125°CMounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Features	
Operating Temperature-20°C ~ 125°CMounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Accuracy - Highest (Lowest)	±1°C (±3°C)
Mounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Test Condition	75°C ~ 95°C (-20°C ~ 125°C)
Package / Case8-WFDFN Exposed PadSupplier Device Package8-VFQFPN (2x3)	Operating Temperature	-20°C ~ 125°C
Supplier Device Package8-VFQFPN (2x3)	Mounting Type	Surface Mount
	Package / Case	8-WFDFN Exposed Pad
Report errors?	Supplier Device Package	8-VFQFPN (2x3)
		Report errors?

#### TS3000GB2A1NCG8 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.

#### **TS3000GB2A1NCG8** Payment Methods



If you have any question about TS3000GB2A1NCG8, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com