

# A3983SLP-T

#### **A3983SLP-T Information**

	 A3983SLP-T Allegro MicroSystems, LLC Integrated Circuits (ICs) PMIC - Motor Drivers, Controllers IC MOTOR DRIVER PAR 24TSSOP 24-TSSOP (0.173", 4.40mm Width) Exposed Pad For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

## **Certified Quality**

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### **A3983SLP-T Specifications**

ManufacturerAllegro MicroSystems, LLCCategoryIntegrated Circuits (ICs)PMIC - Motor Drivers, ControllersPackage24-TSSOP (0.173", 4.40mm Width) Exposed PadSeries-Motor Type - StepperBipolarMotor Type - AC, DC-FunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (4)InterfaceStep/DirectionStep Resolution1, 1/2, 1/4, 1/8ApplicationsGeneral PurposeCurrent - Output2AVoltage - Supply3 V ~ 5.5 VVoltage - Load8 V ~ 35 VOperating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP (0.173", 4.40mm Width) Exposed Pad		
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Series-Motor Type - StepperBipolarMotor Type - AC, DC-FunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (4)InterfaceStep/DirectionTechnologyDMOSStep Resolution1, 1/2, 1/4, 1/8ApplicationsGeneral PurposeCurrent - Output3 V ~ 5.5 VVoltage - Supply3 V ~ 5.5 VVoltage - Load8 V ~ 35 VOperating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP		PMIC - Motor Drivers, Controllers
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FunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (4)InterfaceStep/DirectionTechnologyDMOSStep Resolution1, 1/2, 1/4, 1/8ApplicationsGeneral PurposeCurrent - Output2AVoltage - Supply3 V ~ 5.5 VVoltage - Load8 V ~ 35 VOperating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Motor Type - Stepper	Bipolar
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InterfaceStep/DirectionTechnologyDMOSStep Resolution1, 1/2, 1/4, 1/8ApplicationsGeneral PurposeCurrent - Output2AVoltage - Supply3 V ~ 5.5 VVoltage - Load8 V ~ 35 VOperating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Function	Driver - Fully Integrated, Control and Power Stage
TechnologyDMOSStep Resolution1, 1/2, 1/4, 1/8ApplicationsGeneral PurposeCurrent - Output2AVoltage - Supply3 V ~ 5.5 VVoltage - Load8 V ~ 35 VOperating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Output Configuration	Half Bridge (4)
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Voltage - Supply3 V ~ 5.5 VVoltage - Load8 V ~ 35 VOperating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Applications	General Purpose
Voltage - Load8 V ~ 35 VOperating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Current - Output	2A
Operating Temperature-20°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Voltage - Supply	3 V ~ 5.5 V
Mounting TypeSurface MountPackage / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Voltage - Load	8 V ~ 35 V
Package / Case24-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package24-TSSOP-EP	Operating Temperature	-20°C ~ 150°C (TJ)
Supplier Device Package 24-TSSOP-EP	Mounting Type	Surface Mount
	Package / Case	24-TSSOP (0.173", 4.40mm Width) Exposed Pad
Report errors?	Supplier Device Package	24-TSSOP-EP
		Report errors?

#### **A3983SLP-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.

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