
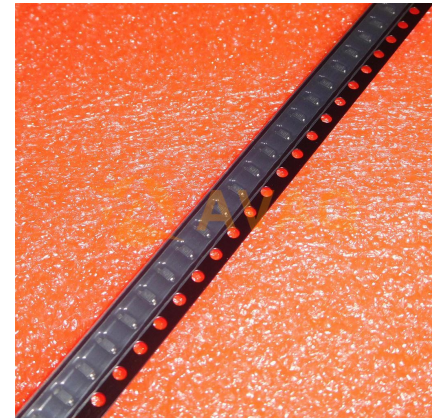


## Automotive single line ESD protection for LIN bus in SOD323

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	SOD-323
<b>Product Type:</b>	Thyristors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The ESDLIN1524BJ is an asymmetrical TVS diode designed to protect one local interconnect network (LIN) bus and clock extension peripheral interface (CXPI) against electrostatic discharge (ESD) and other transient surges such as those defined in ISO 7637-3. The SOD323 is a small package that saves space on high density printed circuit board.

## Key Features

AEC-Q101 qualified

Asymmetrical bidirectional ESD protection

Low leakage current (IR max.)

Stand-off voltage:-15 V (to comply with reverse battery)+24 V (to comply with jump start)

High ESD protection level: up to 30 kV

ECOPACK2 RoHS compliant component

UL94, V0

J-STD-020 MSL level 1

IPC7531 footprint and JEDEC registered package

ISO 16750-2 (jump start and reversed battery tests)

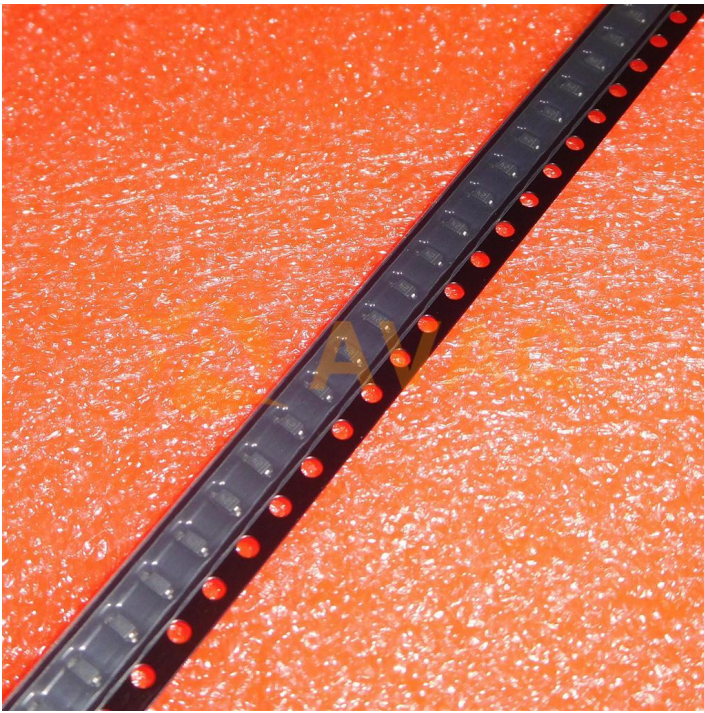
ISO 10605 - C = 150 pF, R = 330 Ω:±30 kV (air discharge)±30 kV (contact discharge)

ISO 10605 - C = 330 pF, R = 330 Ω:± 30 kV (air discharge)± 30 kV (contact discharge)

ISO 7637-3:Pulse 3a: -150 VPulse 3b: +150 VPulse 2a: +/- 85 V

ISO 17987-7 (LIN bus)

SAE J3076 (CXPI bus)



## Recommended For You

---

### **ESDA6V1W5**

STMicroelectronics, Inc

SOT-353

### **ESDCAN24-2BLY**

STMicroelectronics, Inc

SOT-23-3

### **ESDA14V2LY**

STMicroelectronics, Inc

SOT-23

### **ESDA5V3LY**

STMicroelectronics, Inc

SOT-23

### **ESDALC6V1P5**

STMicroelectronics, Inc

SOT-665

### **ESDAXLC6-1BU2**

STMicroelectronics, Inc

ST0201

### **ESDALCL5-1BM2**

STMicroelectronics, Inc

SOD882

### **ESDA14V2SC6**

STMicroelectronics, Inc

SOT23-6

### **ESDALC6V1-1BU2**

STMicroelectronics, Inc

ST0201

### **ESDA25B1RL**

STMicroelectronics, Inc

SOP8

### **ESDALC6V1W5**

STMicroelectronics, Inc

SOT353

### **ESDA8V2-1J**

STMicroelectronics, Inc

SOD-323

### **ESDA5-1BF4**

STMicroelectronics, Inc

SMD

### **ESDA14V2-2BF3**

STMicroelectronics, Inc

BGA

### **ESDA25W**

STMicroelectronics, Inc

SOT323