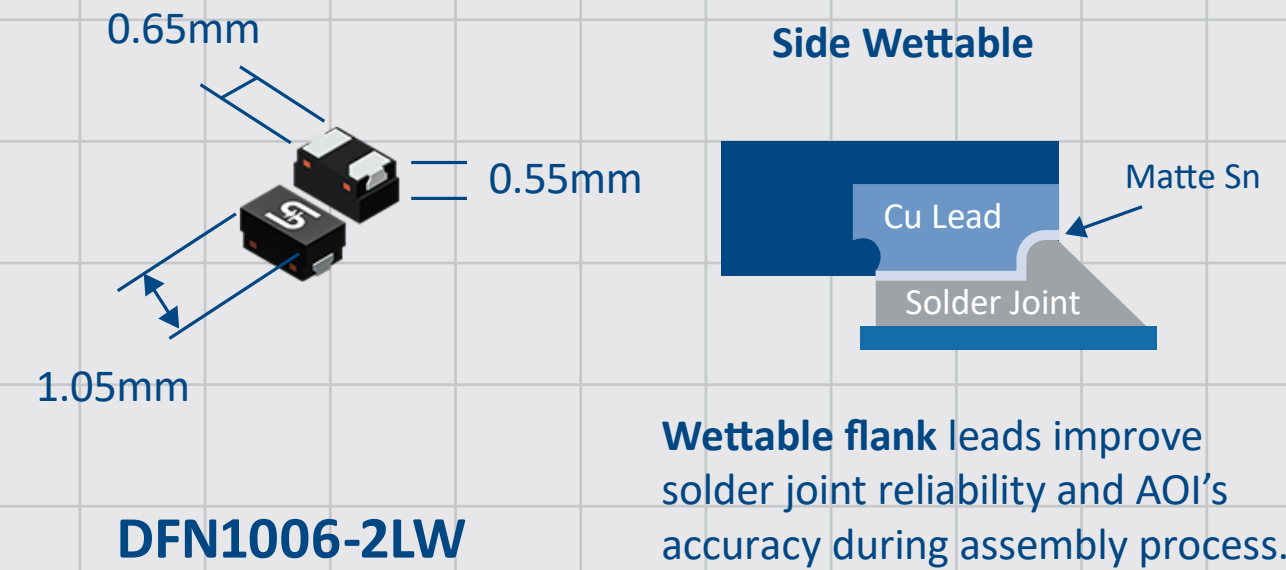


# Automotive Bi-directional ESD Protection Diode

TESDA24VB17P1Q1/TESDA24VB17P1M3 is designed to protect one line against system ESD Lightning pulses by clamping it to an acceptable reference. It provides bidirectional protection.

The usage of the TESDA24VB17P1Q1 is in protected line, such as data line, control line, or power line. To minimize parasitic inductance in the board traces, all path lengths connected to the pins of TESDA24VB17P1Q1/TESDA24VB17P1M3 should be kept as short as possible.

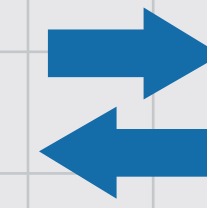
## PACKAGE



## FEATURES



AUTOMOTIVE QUALIFIED  
**AEC-Q101**



ESD PROTECT  
FOR 1 LINE WITH  
BIDIRECTIONAL

**24V**

24V AND BELOW  
OPERATING VOLTAGE

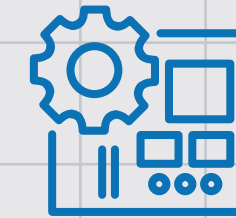


PROTECT I/O LINE  
OR POWER LINE

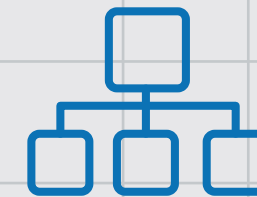
## APPLICATIONS



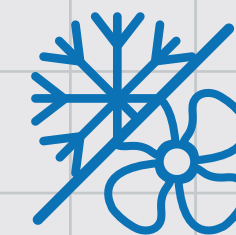
IN-VEHICLE  
NETWORK LINES



INDUSTRIAL  
CONTROL  
SYSTEMS

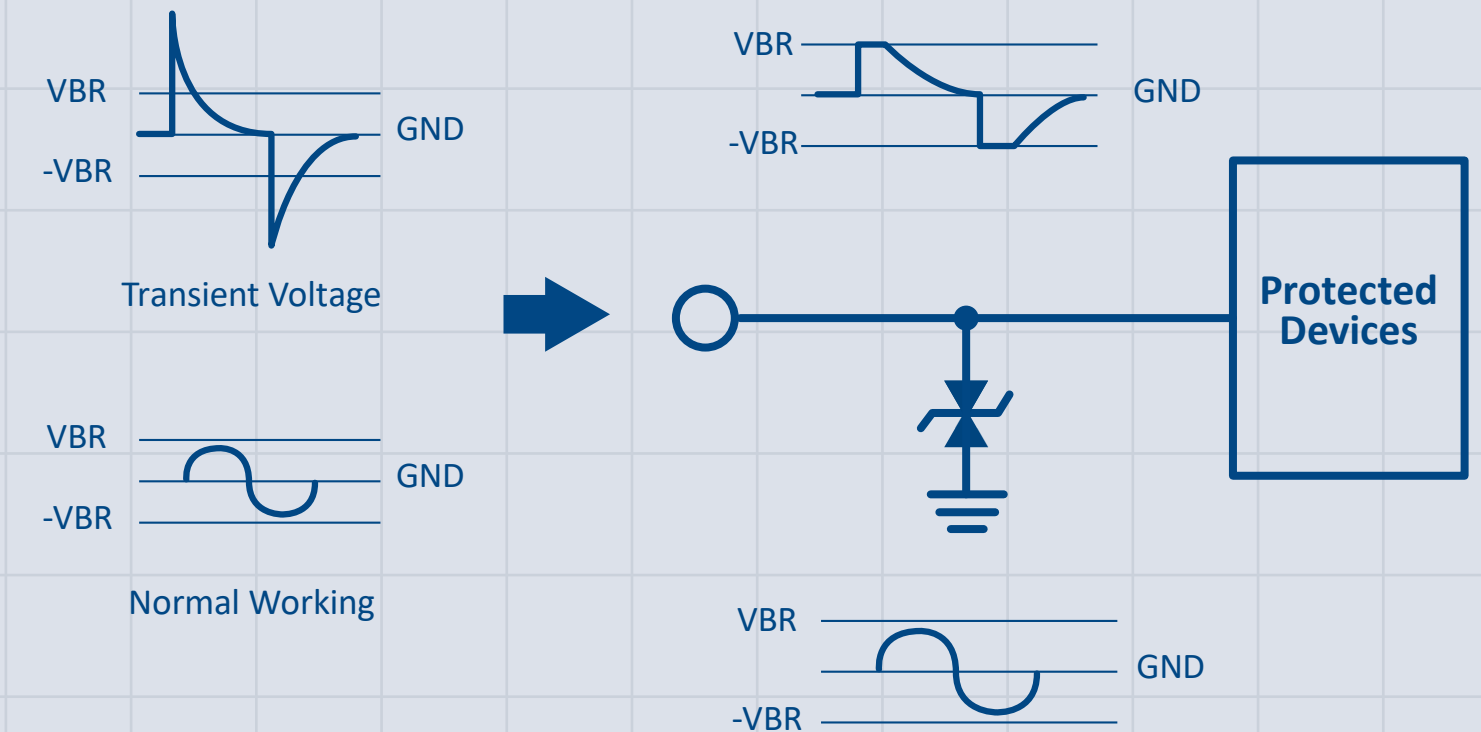


CAN BUS



HVAC SYSTEMS

Typical application:  
ESD protection by TESDA24VB17P1Q1



## SPECIFICATION

Part number	V <sub>WM</sub>	C <sub>j</sub> max	ESD robustness (IEC61000-4-2)	IPPM (at tp= 8/20μs)	Package
TESDA24VB17P1Q1	24V	17pF	30KV	5A	DFN1006-2LW
TESDA24VB17P1M3	24V	17pF	30KV	5A	SOD-323



Official Website



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LinkedIn

For more information: [marketing@ts.com.tw](mailto:marketing@ts.com.tw)

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