

Single-Line Uni-directional ESD Protection Diode

The TESDA28VU18P1Q1 is an uni-directional ESD protection diode designed to protect power interfaces, or control lines, or low-speed data lines in an electronic system. It has been specifically designed to protect sensitive electronic components connected to power and control lines from over-voltage damage by Electrostatic Discharge (ESD and lightning).

This is an ESD protection device in an ultra small DFN1006-2LW Surface-Mounted Device (SMD) package designed to protect a single automotive in-vehicle network bus line from the damage caused by Electrostatic discharge (ESD) and other transients.



Official Website



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LinkedIn

For more information: marketing@ts.com.tw

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PACKAGE

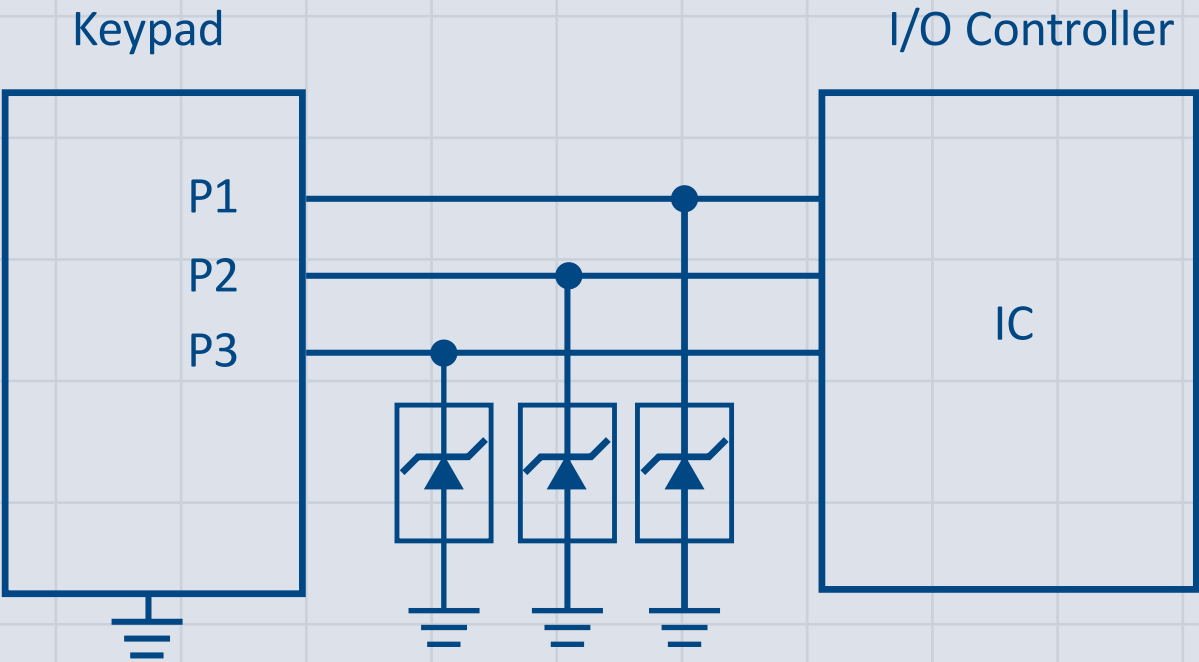
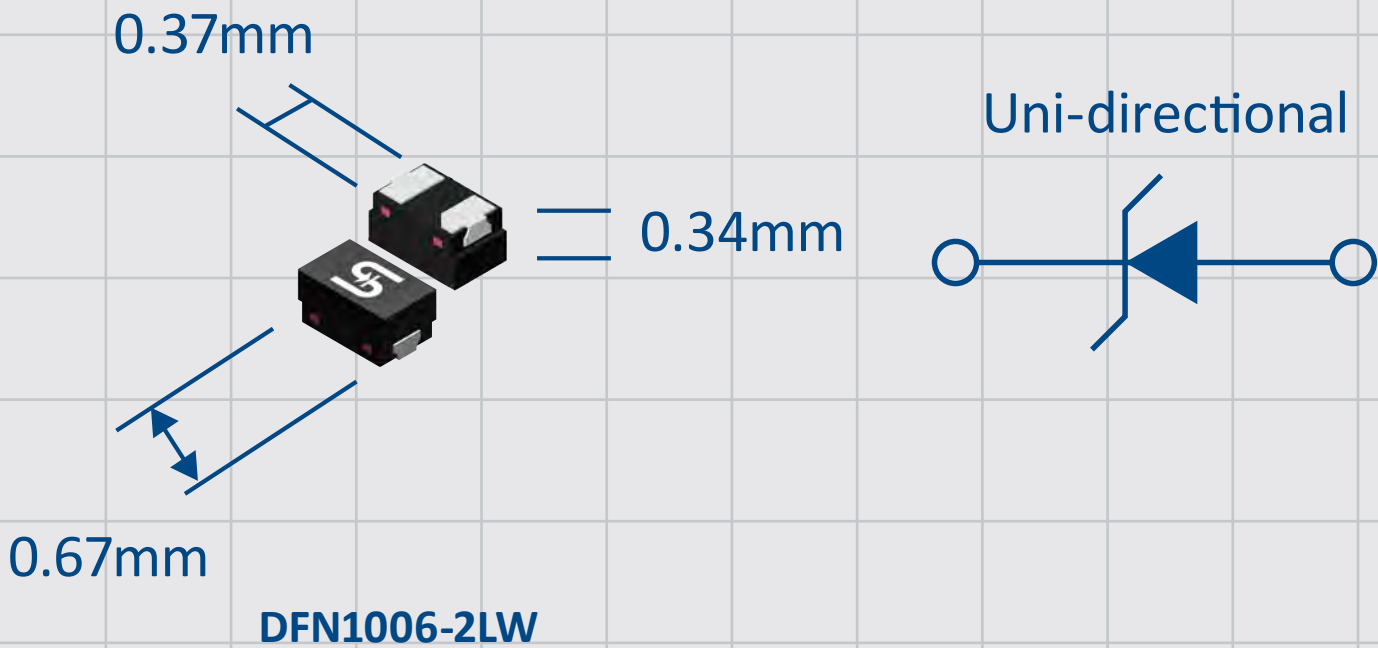


Figure 2: TESDA28VU18P1Q1 for typical application

APPLICATIONS



IN-VEHICLE
NETWORK LINES



PORTABLE
INSTRUMENTATION



GENERAL
PURPOSE I/O



MOBILE & HANDHELDS

FEATURES



ESD PROTECTION TO
IEC 61000-4-2 / 4-4 / 4-5



AUTOMOTIVE QUALIFIED
AEC-Q101



WETTABLE FLANK

SPECIFICATION

Part number	Package	V _{WM} (V)	C _J (pF) Max.	ESD Robustness (IEC61000-4-2) (kV)	IPPM at tp =8/20μs (A)
TESDA28VU18P1Q1	DFN1006-2LW	28	18.6	15	1.7A



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