



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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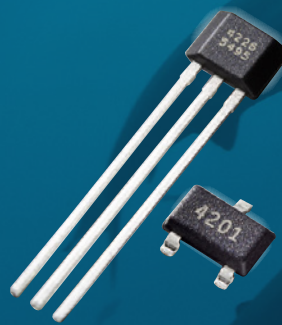
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MLX92242 / MLX92241 / MLX92221

2-WIRE SENSOR

WITH INTEGRATED
CAPACITOR



The hammerhead shark is able to detect electronic signals of no more than half a billionth of a volt. The process uses specialized electroreceptors to detect and locate the source of an external electric field in its environment. What better animal to reflect our sensing capacities?

ASIL A - END-OF-LINE PROGRAMMABLE 2-WIRE HALL LATCH/SWITCH

Melexis presents a new package option, featuring an integrated decoupling capacitor, for its existing 2-wire Hall effect switch and latch sensor ICs.

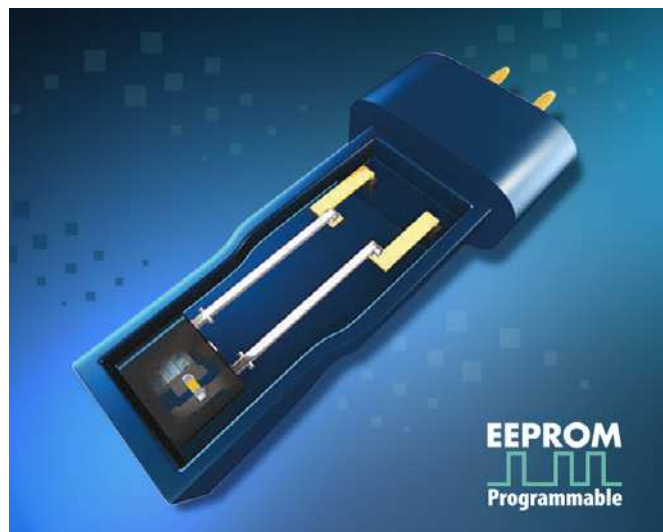


MLX92242

This new package option enables PCB-less modules and assemblies while retaining the EMI/ESD performance necessary in harsh duty environments. The pin ordering for this option is optimized to allow wider clearance and direct connection via welding or soldering to a connector or an insert molded lead frame connector. This avoids any secondary operations typically consisting of bending of the leads.

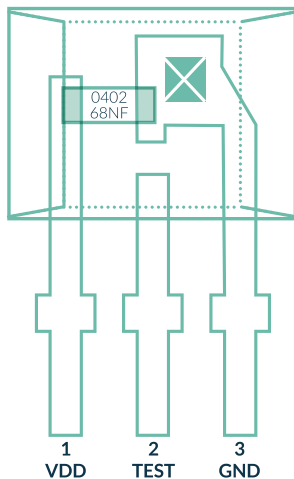
FEATURES & BENEFITS

- ✓ Smaller module design
- ✓ Lower BOM count
- ✓ Higher reliability from fewer components and connections
- ✓ Elimination of secondary lead form and trim operations
- ✓ Wider clearance
- ✓ Optimized EMI/ESD design
- ✓ PCB-less applications
- ✓ Integrated decoupling capacitor
- ✓ AEC-Q100 qualified
- ✓ Industry standard SIP TO-92 "UA" package
- ✓ ISO26262-compliant

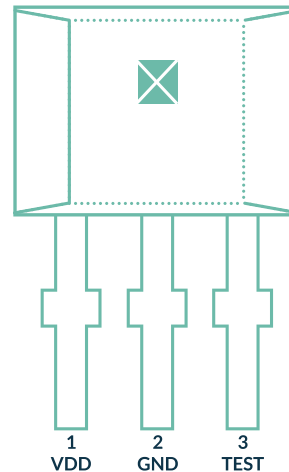


MAIN APPLICATIONS

- ✔ Seat position detection
- ✔ Seatbelt buckle switch
- ✔ Open close detection



NEW SIP UA PACKAGE
OPTION WITH WIDER
PIN-OUT FOR NO PCB
ASSEMBLIES



STANDARD
MLX92242/41/21 SIP UA
PACKAGE AND PIN-OUT

MLX92242 INTEGRATED DECOUPLING CAPACITOR BLOCK DIAGRAM

