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
- 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

FOR MORE INFORMATION: WWW.MELEXIS.COM/MLX92242
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