

Product Information

MLX92242 / MLX92241 / MLX92221

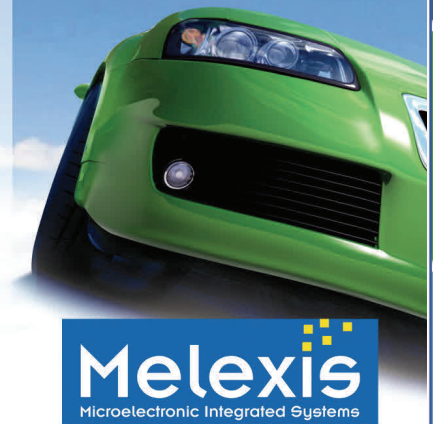
2-wire Sensor with Integrated Capacitor

Melexis presents a new package option, featuring an integrated decoupling capacitor, for its existing 2 wire Hall effect switch and latch sensor ICs. 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 to match the common 0.1"/2.54mm spacing of automotive or industrial, standard, sealed wire harness connectors.

Melexis was able to maintain the existing TO-92 "UA" industry standard SIP package outside dimensions. Assuring compatibility with existing designs and simplifying cost saving upgrades to current assemblies and modules.

Benefits

- **Smaller module design**
- **Lower BOM count**
- **Higher reliability from fewer components & connections**
- **Elimination of secondary lead form & trim operations**
- **Wider clearance**
- **Optimized EMI / ESD design**
- **Re-use of standard package outline dimensions**
- **PCB-less applications**



Bus ICs

BLDC Motor
Control ICs

Pressure Sensors

Wireless ICs

Hall Effect ICs
And Sensors

Optoelectronic
Sensors

Sensor Interface ICs

Infrared Sensors

Bus ICs	BLDC Motor Control ICs	Pressure Sensors	Wireless ICs	Hall Effect ICs And Sensors	Optoelectronic Sensors	Sensor Interface ICs	IntraRed Sensors
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Standard MLX92242/41/21 SIP UA Package and Pin-out

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