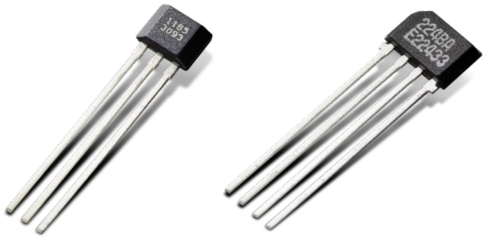
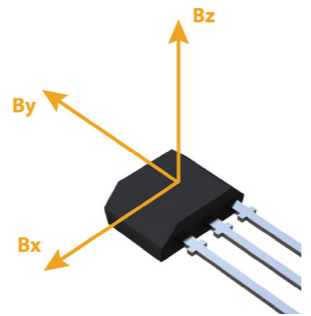
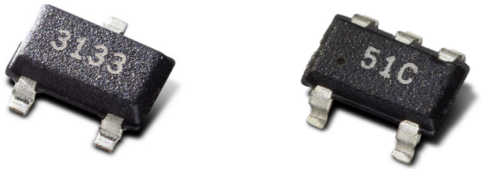
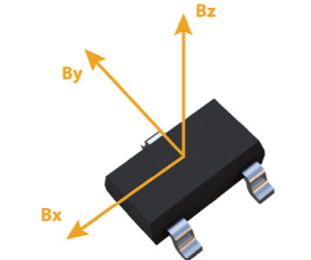

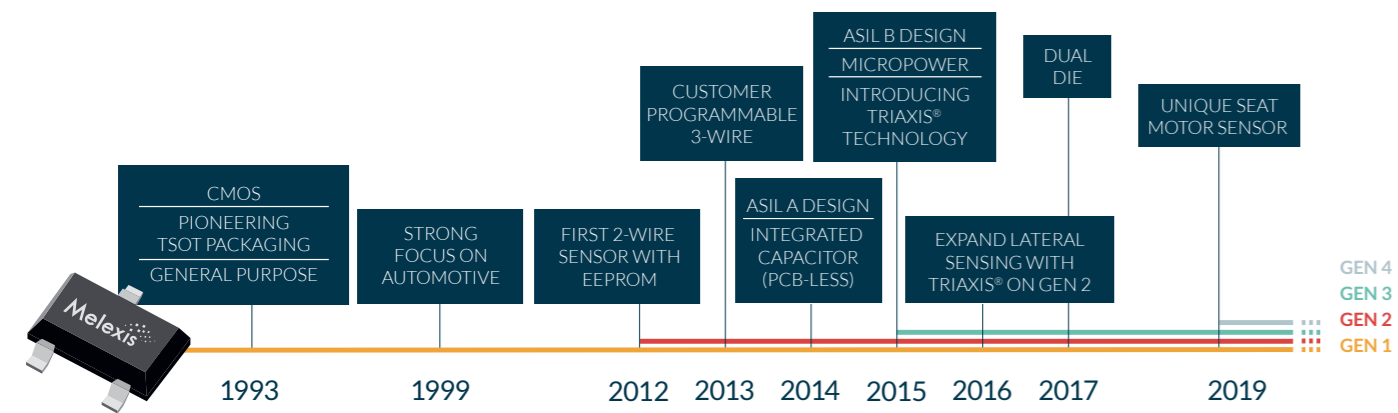


# PACKAGES

	VISUAL APPEARANCE	SENSITIVE AXIS
<b>THROUGH-HOLE PACKAGE</b>	 <p>UA Package TO92-3L flat      VA Package SIP 4L flat</p>	
<b>SURFACE MOUNT PACKAGE</b>	 <p>SE Package TSOT-3L      SE Package TSOT-5L</p>	
<b>CHIP SIZE PACKAGE</b>	 <p>LD Package UTQFN-6L</p>	



## International Presence

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**Melexis**  
 INSPIRED ENGINEERING

## SELECTION GUIDE LATCH & SWITCH

These products meet your demands to reduce power budget and space utilization, while also taking care of functional safety and system flexibility aspects.

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?



**Latch and Switch Portfolio - 2 wire sensors**

Type	Status (2)	Part No.	Typical Bop / Brp	TC	Ioff	Supply Voltage	Output Type	Package & pole active	Magnetic Polarity	ICAP	ISO26262	Axis (1)
			mT	ppm / °C	mA	V		TSOT UA				
Prod		MLX92241LUA-AAA-003	7.9 / 5.3	-1100	3.3	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LUA-AAA-004	9.2 / 7.2	0	6	2.7 - 24	Current source	S	Inverted	-	-	
Prod		MLX92241LUA-AAA-005	9.2 / 7.2	0	3.3	2.7 - 24	Current source	S	Inverted	-	-	
Prod		MLX92241LUA-AAA-006	7.9 / 5.3	-1100	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LUA-AAA-007	5.6 / 3.6	-1100	3.3	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LSE-AAA-008	17 / 15	0	6	2.7 - 24	Current source	S	Inverted	-	-	
Prod		MLX92241LSE-AAA-011	5.6 / 3.4	-1100	3.3	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LSE-AAA-012	5.5 / 3.5	-1100	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LSE-AAA-013	9.2 / 7.2	0	6	2.7 - 24	Current source	S	Inverted	-	-	
Prod		MLX92241LSE-AAA-014	9.2 / 7.2	0	3.3	2.7 - 24	Current source	S	Inverted	-	-	
Prod		MLX92241LSE-AAA-015	9.2 / 7.2	-2000	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LSE-AAA-016	5.6 / 3.3	-1100	6	2.7 - 24	Current source	S	Inverted	-	-	
Prod		MLX92241LSE-AAA-017	9.2 / 7.2	-2000	3.3	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LSE-AAA-018	9.2 / 7.2	-2000	3.3	2.7 - 24	Current source	S	Inverted	-	-	
Prod		MLX92241LUA-AAA-028	20 / 18	-1100	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92241LSE-BAA-007	15 / 14	-1100	3.3	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LSE-BAA-019	9.2 / 7.2	0	3.3	2.7 - 24	Current source	S	Inverted	-	A	
Prod		MLX92241LUA-BAA-020	9.2 / 7.2	0	3.3	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LSE-BAA-021	9.2 / 7.2	0	6	2.7 - 24	Current source	S	Inverted	-	A	
Prod		MLX92241LSE-BAA-022	-8 / -5	-1100	3.3	2.7 - 24	Current source	N	Direct	-	A	
Prod		MLX92241LSE-BAA-023	-7.9 / -5.3	-1100	6	2.7 - 24	Current source	N	Direct	-	A	
Prod		MLX92241LSE-BAA-024	8.7 / 7.3	0	6	2.7 - 24	Current source	S	Inverted	-	A	
Prod		MLX92241LSE-BAA-025	-6 / -4	-1100	6	2.7 - 24	Current source	N	Direct	-	A	
Prod		MLX92241LUA-BAA-026	8.5 / 7.5	-1100	6	2.7 - 24	Current source	S	Inverted	-	A	
Prod		MLX92241LSE-BAA-027	10 / 4	-2000	3.3	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LSE-BAA-029	9.2 / 7.2	-1100	6	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LUA-BAA-030	8 / 5	-1100	6	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LUA-BAA-031	4 / 2.7	-1100	6	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LSE-BAA-032	5.6 / 3.6	-1100	3	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LUA-BAA-033	20 / 18	-1100	6	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LSE-BAA-034	5.5 / 3.5	-1100	6	2.7 - 24	Current source	S	Inverted	-	A	
Prod		MLX92241LSE-BAA-035	25 / 24	-1100	6	2.7 - 24	Current source	S	Direct	-	A	
NEW		MLX92241LSE-BAA-036	8.7/7.3	0	6	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92241LUA-BAA-101	17 / 15.4	0	6	2.7 - 24	Current source	S	Inverted	✓	A	
Prod		MLX92241LUA-BAA-102	3.2 / 2.8	-2000	6	2.7 - 24	Current source	S	Inverted	✓	A	
Prod		MLX92241LUA-BAA-103	6 / 4	-1100	3.3	2.7 - 24	Current source	S	Inverted	✓	A	
Prod		MLX92241LUA-BAA-104	8 / 7	-700	6	2.7 - 24	Current source	S	Inverted	✓	A	
UPD		MLX92241LUA-BAA-106	4 / 2.7	0	6	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92241LUA-BAA-107	4 / 3	-1100	6	2.7 - 24	Current source	S	Inverted	✓	A	
Prod		MLX92241LUA-BAA-108	7.9 / 5.2	-1100	3.3	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92241LUA-BAA-109	16 / 12	-1100	3.3	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92241LUA-BAA-110	7.9 / 5.3	-1100	6	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92241LUA-BAA-111	3.8 / 2.6	0	6	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92241LUA-BAA-112	-3.8 / -2.6	0	6	2.7 - 24	Current source	N	Inverted	✓	A	
Prod		MLX92241LUA-BAA-113	7.9 / 5.3	-1100	3.3	2.7 - 24	Current source	S	Inverted	✓	A	
Prod		MLX92241LUA-BAA-114	7.9 / 5.3	-1100	6	2.7 - 24	Current source	S	Inverted	✓	A	
Prod		MLX92241LUA-BAA-115	-8 / -5	-1100	3.3	2.7 - 24	Current source	N	Inverted	✓	A	
Prod		MLX92241LUA-BAA-116	20 / 18	-1100	6	2.7 - 24	Current source	S	Direct	✓	A	
NEW		MLX92241LUA-BAA-118	17.5/15.5	-1100	3.3	2.7 - 24	Current source	S	Inverted	✓	A	
Prod		MLX92221LSE-AAA-001	11.8 / -11.8	0	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LSE-AAA-002	6 / -6	-2000	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LSE-AAA-003	1.8 / -1.8	0	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LUA-AAA-004	6 / -6	-1100	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LUA-AAA-005	1.8 / -1.8	0	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LUA-AAA-006	0.8 / -0.8	0	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LUA-AAA-007	11.8 / -11.8	0	6	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LSE-AAA-009	1.75 / -1.75	0	3	2.7 - 24	Current source	S	Direct	-	-	
Prod		MLX92221LSE-BAA-008	4 / -4	0	3.3	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92221LUA-BAA-010	11.8 / -11.8	0	6	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92221LUA-BAA-011	5 / -5	-1100	3	2.7 - 24	Current source	S	Direct	-	A	
NEW		MLX92221LUA-BAA-012	4/-4	-2000	6	2.7 - 24	Current source	S	Direct	-	A	
Prod		MLX92221LUA-BAA-101	10 / -10	-400	3	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92221LUA-BAA-102	6 / -6	-2000	6	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92221LUA-BAA-103	5/-5	-1100	3	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92221LUA-BAA-105	1.8 / -1.8	0	6	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92221LUA-BAA-107	11.8/-11.8	0	6	2.7 - 24	Current source	S	Direct	✓	A	
Prod		MLX92221LSE-BAA-201	6 / -6	-2000	6	2.7 - 24	Current source	S	Direct	-	A	Bx
NEW		MLX92221LSE-BAA-202	1.75/-1.75	0	3.3	2.7 - 24	Current source	S	Direct	-	A	Bx
Prod		MLX92223LUA-AAA-100	-10 / 10	0	6	3.8 - 16	Voltage controlled current source	N	Direct	✓	-	

(1) If no sensitive axis are defined the sensor is sensitive in Bz  
(2) NEW: New option code, UPD: Ordering information updated

**Latch and Switch Portfolio - Dual hall sensors**

Type	Status (2)	Part No.	Typical Bop / Brp	TC	Idd	Supply Voltage	Output Type	Package & pole active	Axis (1)
			mT	ppm / °C	mA	V		TSOT VA	
Dual hall Latch	Prod	MLX90224EVA-ABA-000	2.5 / -2.5	0	7.5	4.5 - 16	Speed & Speed	S	2x Bz
	Prod	MLX92251LSE-AAA-000	7.5 / -7.5	0	4.5	2.7 - 24	Speed & Direction	S	2x Bz
	Prod	MLX92251LSE-ABA-000	2.5 / -2.5	-1100	4.5	2.7 - 24	Speed & Direction	S	2x Bz
	Prod	MLX92255LSE-AAA-001	3 / -3	-1800	5	2.7-5.5	Speed & Speed+ fd	S	2x Bz

**Latch and Switch Portfolio - 3 wire Switch**

Type	Status (2)	Part No.	Typical Bop / Brp	TC	Idd	Supply Voltage	Output Type	Package & pole active	Magnetic Polarity	Axis (1)
			mT	ppm / °C	mA	V		TSOT UA		
	Prod	MLX92231LSE-AAA-003	33 / 26.4	-2000	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-004	-5.5 / -3.7	-1100	3	2.7 - 24	Open Drain	N	Direct	
	Prod	MLX92231LSE-AAA-005	-26 / -20	-1100	3	2.7 - 24	Open Drain	N	Direct	
	Prod	MLX92231LSE-AAA-007	26 / 20	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-009	3.5 / 2.5	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-010	10 / 8.5	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-011	40 / 34	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-012	15 / 12	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-013	3.5 / 2.5	0	3	2.7 - 24	Open Drain	S	Inverted	
	Prod	MLX92231LSE-AAA-014	5.5 / 3.5	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-016	9.72 / 8.32	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-017	11.7 / 10.3	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-018	16.2 / 14.2	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-019	23 / 21	-2000	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LUA-AAA-020	3.5 / 2.5	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-021	5.5 / 3.5	-1100	3	2.7 - 24	Open Drain	S	Inverted	
	Prod	MLX92231LSE-AAA-022	10 / 8.5	-2000	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-023	43 / 41	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-025	50 / 48	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-026	23 / 21	-2000	3	2.7 - 24	Open Drain	S	Inverted	
	Prod	MLX92231LSE-AAA-027	3.5 / 2.5	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-028	-3.5 / -2.5	-1100	3	2.7 - 24	Open Drain	N	Direct	
	Prod	MLX92231LSE-AAA-029	15 / 14	-1100	3	2.7 - 24	Open Drain	S	Inverted	
	Prod	MLX92231LSE-AAA-030	26 / 20	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-031	-13.5 / -8.5	0	3	2.7 - 24	Open Drain	N	Direct	
	Prod	MLX92231LSE-AAA-032	23 / 21	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-033	18 / 12.5	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LUA-AAA-034	5.5 / 3.5	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LUA-AAA-035	28.2 / 26	0	3	2.7 - 24	Open Drain	S	Inverted	
	Prod	MLX92231LSE-AAA-036	26 / 24	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-038	27 / 26	-1100	3	2.7 - 25	Open Drain	S	Direct	
	Prod	MLX92231LUA-AAA-039	13.5 / 8.5	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-040	66 / 50	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-041	10.2 / 8.4	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-042	51.2 / 41	-1100	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-045	20 / 15	0	3	2.7 - 24	Open Drain	S	Direct	
	Prod	MLX92231LSE-AAA-046	13 / 12	-2000	3	2.7 - 24	Open Drain	S	Direct	
	NEW	MLX92231LSE-AAA-048	18/16	-400	3	2.7 - 24	Open Drain	S	Direct	
	NEW	MLX92231LSE-AAA-049	15/14	-1100	3	2.7 - 24	Open Drain			