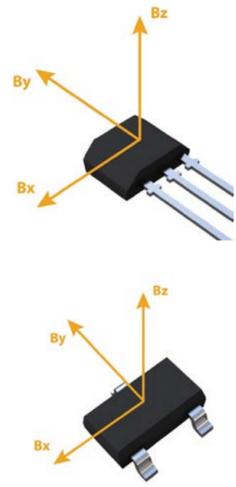


PACKAGES

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



V5/28-01-19



International Presence

Contact Melexis:

Europe, Middle East and Africa
sales_europe@melexis.com
 Tel. +32 13 67 04 95

Asia and Oceania
sales_asia@melexis.com
 Tel. +86 21 5820 6899

Americas
sales_usa@melexis.com
 Tel. +1 248 306 5400



-  Research & Development
-  Sales & Applications
-  Manufacturing



WWW.MELEXIS.COM



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	Part No.	Typical Bop / Brp	TC	Ioff	Supply Voltage	Output Type	Package & pole active		Magnetic Polarity	ICAP	ISO26262
			mT	ppm / °C	mA	V		TSOT	UA			
2-wire Switch	Prod	MLX92241LUA-AAA-003	8 / 5	-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	8 / 5	-1100	6	2.7 - 24	Current source		S	Direct	-	-
	Prod	MLX92241LUA-AAA-007	5.5 / 3.5	-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	5.5 / 3.5	-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	5.5 / 3.5	-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	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	-8 / -5	-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
	NEW	MLX92241LUA-BAA-026	8.5 / 7.5	-1100	6	2.7 - 24	Current source	S		Inverted	-	A
	NEW	MLX92241LSE-BAA-027	10 / 4	-2000	3.3	2.7 - 24	Current source	S		Direct	-	A
	NEW	MLX92241LUA-AAA-028	20 / 18	-1100	6	2.7 - 24	Current source	S		Direct	-	A
	NEW	MLX92241LSE-BAA-029	9.2 / 7.2	-1100	6	2.7 - 24	Current source	S		Direct	-	A
	Prod	MLX92241LUA-BAA-101	16 / 15	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
	Prod	MLX92241LUA-BAA-106	4 / 2.7	0	6	2.7 - 24	Current source		S	Inverted	✓	A
	Prod	MLX92241LUA-BAA-107	3.9 / 3	-1100	6	2.7 - 24	Current source		S	Inverted	✓	A
	Prod	MLX92241LUA-BAA-108	7.9 / 5.3	-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
	UPD	MLX92241LUA-BAA-115	-8 / -5	-1100	3.3	2.7 - 24	Current source		N	Inverted	✓	A
NEW	MLX92241LUA-BAA-116	20 / 18	-1100	6	2.7 - 24	Current source		S	Direct	✓	A	
Prod	MLX92221LSE-AAA-001	12 / -12	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	1.75 / -1.75	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	1.75 / -1.75	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	12 / -12	0	6	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-102	6 / -6	-2000	6	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	
NEW	MLX92223LUA-AAA-100	-10 / 10	0	6	3.8-16	Voltage controlled current source		N	Direct	✓		

Latch and Switch Portfolio - Dual hall sensors											
Type	Status	Part No.	Typical Bop / Brp	TC	Ioff	Supply Voltage	Output Type	Package & pole active		Axis (1)	
			mT	ppm / °C	mA	V		TSOT	VA		
Dual hall Latch	Prod	MLX90224xVA-ABA-000	2.5 / -2.5	0	4.5	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	
	NEW	MLX92256LSE-AAA-000	2 / -2	0	3.5	3.8-24	Pulse & Direction	S		Bz/Bx	
	NEW	MLX92256LSE-ABA-000	2 / -2	0	3.5	3.8-24	Speed & Speed	S		Bz/Bx	

Latch and Switch Portfolio - 3 wire Switch											
Type	Status	Part No.	Typical Bop / Brp	TC	Ioff	Supply Voltage	Output Type	Package & pole active		Magnetic Polarity	Axis (1)
			mT	ppm / °C	mA	V		TSOT	UA		
3-wire Switch	Prod	MLX92231LSE-AAA-003	33 / 27	-2000	3	2.7 - 24	Open Drain	S		Direct	
	Prod	MLX92231LSE-AAA-004	-5.5 / -3.5	-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	-2000	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	S	Direct	
	NEW	MLX92231LSE-AAA-040	66 / 50	-1100	3	2.7 - 24	Open Drain	S		Direct	
	NEW	MLX92231LSE-AAA-041	10.2 / 8.4	-1100	3	2.7 - 24	Open Drain	S		Direct	
	NEW	MLX92231LSE-AAA-042	51 / 41	-1100	3	2.7 - 24	Open Drain	S		Direct	
	NEW	MLX92231LSE-AAA-045	20 / 15	0	3	2.7 - 24	Open Drain	S		Direct	
	NEW	MLX92231LSE-AAA-046	13 / 12	-2000	3	2.7 - 24	Open Drain	S		Direct	
	NEW	MLX92231LSE-AAA-204	6.5 / 5.5	-1100	3	2.7 - 24	Open Drain	S		Inverted	Bx
	Prod	MLX92212LSE-ABA-000	12 / 10.5	0	2.2	2.5 - 5.5	Open Drain	S		Direct	
	Prod	MLX92231LSE-ABA-004	-5.5 / -3.5	-1100	3	2.7 - 24	Open Drain	N		Direct	

Latch and Switch Portfolio - 3 wire Latch											
Type	Status	Part No.	Typical Bop / Brp	TC	Ioff	Supply Voltage	Output Type	Package & pole active		Axis (1)	
			mT	ppm / °C	mA	V		TSOT	UA		
3-wire Latch	Prod	MLX92211Lxx-AAA-000	3 / -3	-1100	3	2.7 - 24	Open Drain	S	S		
	Prod	MLX92211LSE-ACA-000	3 / -3	-2000	3	2.7 - 24	Open Drain	S			
	Prod	MLX92211Lxx-ADA-000	14 / -14	-2000	3	2.7 - 24	Open Drain	S	S		
	Prod	MLX92211Lxx-AEA-000	3 / -3	-1100	3	2.7 - 24	Open Drain	S	S		
	Prod	MLX92212LSE-AAA-000	2 / -2	0	2.2	2.5 - 5.5	Open Drain	S			
	Prod	MLX92211LSE-BAA-003	0.5 / -0.5	0	3	2.7 - 24	Open Drain	S			
	Prod	MLX92211LSE-BAA-006	1.5 / -1.5	0	3	2.7 - 24	Open Drain	S			
	Prod	MLX92211LSE-BAA-008	7 / -7	-2000	3	2.7 - 24	Open Drain	S			
	Prod	MLX92211LUA-BAA-015	0.5 / -0.5	0	3	2.7 - 24	Open Drain		S		
	Prod	MLX92211LSE-BAA-024	5 / -5	0	3	2.7 - 24	Open Drain	S			
	Prod	MLX92211LSE-BAA-037	8.75 / -8.75	0	3	2.7 - 24	Open Drain	S			
	Prod	MLX92211LSE-BAA-202	1.5 / -1.5	0	3	2.7 - 24	Open Drain			Bx	
	NEW	MLX92211LSE-BAA-203	3 / -3	0	3	2.7 - 24	Open Drain	S		Bx	
	NEW	MLX92211LSE-BAA-205	8.75 / -8.75	-1100	3	2.7 - 24	Open Drain	S		Bx	

Latch and Switch Portfolio - General purpose sensors											
Type	Status	Part No.	Typical Bop / Brp	TC	Ioff	Supply Voltage	Output Type	Package & pole active		Axis (1)	
			mT	ppm / °C	mA	V		TSOT	UA		
3-wire Latch	Prod	US1881xxx-AAA-000	5 / -5	0	3	3.5 - 24	Open Drain	N		S	
	Prod	US1883xxx-AAA-000	1								