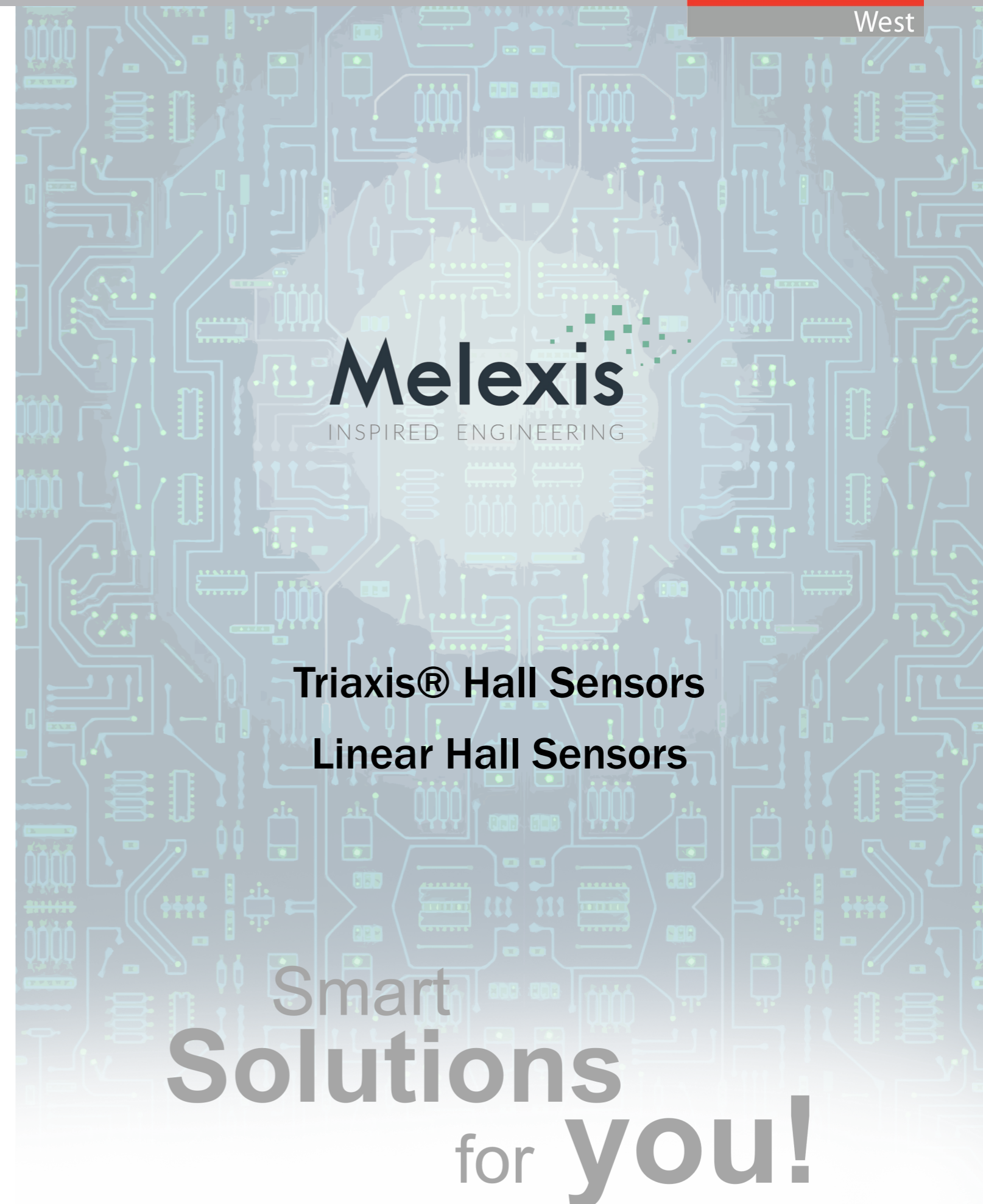




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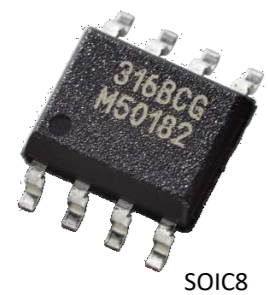
Triaxis Hall																											
Product	Supported Motion				Output Format					Angle Computation		Magnetic Field Strength ⁽¹⁾		Supply Voltage	Current Consumption	Package				Temperature Option					Automotive	Safety	
	Rotary On-Axis	Rotary Off-Axis	Linear	Joystick (3D)	Ratiometric Analog	PWM	SENT	SPI	I2C	On-Chip	Off-Chip	mT (G)	Min Field (mT/mm)	(V)	mA (Typical)	SOIC-8	TSSOP-16 ⁽²⁾	DMP-4 (no-PCB) ⁽³⁾	SMP3/4 (no-PCB)	S: -20-85 °C	E: -40-85 °C	K: -40-125 °C	L: -40-150 °C	G: -40-160 °C	AECQ-100	ASIL (ISO 26262)	
MLX90316	✓				✓	✓		✓		✓		20-70 (200-700)		4.5-5.5	Fast Mode: 13.5 Slow Mode: 8.5	✓	✓			✓	✓	✓	✓		✓		
MLX90324	✓				✓	✓	✓			✓		20-70 (200-700)		4.5-5.5	Fast Mode: 12.5 Slow Mode: 7.0	✓	✓						✓		✓		
MLX90333		✓	✓	✓	✓	✓		✓		✓		20-70 (200-700)		4.5-5.5	Fast Mode: 13.5 Slow Mode: 8.5	✓	✓				✓	✓	✓		✓		
MLX90340	✓	✓	✓		✓	✓				✓		20-70 (200-700)		4.5-5.5	13.5	✓	✓			✓	✓		✓			A	
MLX90363	✓	✓	✓	✓				✓		✓	✓	20-70 (200-700)		3.15-3.45 or 4.5-5.5	12.5	✓	✓				✓	✓	✓	✓		✓	B
MLX90364	✓	✓	✓		✓	✓				✓		20-70 (200-700)		4.5-5.5	6			✓			✓	✓	✓	✓		✓	B
MLX90365	✓	✓	✓		✓	✓				✓		20-70 (200-700)		4.5-5.5	6	✓	✓				✓	✓	✓	✓		✓	B
MLX90366	✓	✓	✓							✓		20-70 (200-700)		4.5-5.5	6			✓			✓	✓	✓	✓		✓	B
MLX90367	✓	✓	✓							✓		20-70 (200-700)		4.5-5.5	6	✓	✓				✓	✓	✓	✓		✓	B
MLX90371	✓	✓	✓		✓	✓				✓		10-70 (100-700)	3,8-10	4.5-5.5	10	✓	✓	✓	✓					✓	✓	✓	B
MLX90372	✓	✓	✓			✓	✓			✓		10-70 (100-700)	3-10	5/12 ⁽⁴⁾	10	✓	✓	✓						✓	✓	✓	C
MLX90373	✓	✓	✓						PSI5	✓		10-70 (100-700)	4,1-10	5/12 ⁽⁴⁾	11							✓			✓	✓	C
MLX90374	✓	✓	✓			✓	✓			✓		10-70 (100-700)	3-10	5/12 ⁽⁴⁾	10	✓		✓						✓	✓	✓	C
MLX90377	✓	✓	✓		✓	✓	✓	SPC		✓		10-70 (100-700)	3-10	5/12 ⁽⁴⁾	9/13,5	✓	✓	✓	✓					✓	✓	✓	C
MLX90378				✓		✓	✓			✓		10-70 (100-700)		5/12 ⁽⁴⁾	10	✓	✓	✓						✓	✓	✓	C

- (1) Stray field robust mode utilizes a gradient field (mT/mm) while the traditional mode uses a homogenous field (mT).
- (2) TSSOP-16 packages include two dies with individual electrical connections where full redundancy is needed.
- (3) Dual Mold Package. Package is intended to be used without a PCB with electrical connections made directly to a leadframe.
- (4) Standard supply range 4.5-5.5V. Extended mode (6-18V) selectable via EEPROM programming.
- (5) Average current draw will depend on the programmable conversion duty cycle and filtering.



Triaxis Hall																											
Product	Supported Motion				Output Format					Angle Computation		Magnetic Field Strength ⁽¹⁾		Supply Voltage	Idd	Package				Temperature Option					Automotive	Safety	
	Rotary On-Axis	Rotary Off-Axis	Linear	Joystick (3D)	Ratiometric Analog	PWM	SENT	SPI	I2C	On-Chip	Off-Chip	mT (G)	Min Field (mT/mm)	(V)	mA (Typical)	SOIC-8	TSSOP-16 ⁽²⁾	DMP-4 (no-PCB) ⁽³⁾	QFN16	S: -20-85 °C	E: -40-85 °C	K: -40-125 °C	L: -40-150 °C	G: -40-160 °C	AECQ-100	ASIL (ISO 26262)	
MLX90392	✓	✓	✓	✓					✓		✓	0-5/5-50		V _{DIG} : 1.8-V _{ANA}	1	✓											
MLX90393	✓	✓	✓	✓				✓	✓		✓	5-50 (50-500)		V _{ANA} : 2.2-3.6 V _{DIG} : 1.8-V _{ANA}	0,399				✓								
MLX90395	✓	✓	✓	✓				✓	✓		✓	5-50/ 10-120		V _{ANA} : 2.2-3.6 V _{DIG} : 1.8-V _{ANA}	0,234	✓	✓		✓						✓		
MLX90421	✓	✓	✓		✓	✓				✓						✓	✓	✓	SMP-3/4 (no-PCB) (✓	✓	B
MLX90422	✓	✓	✓							✓						✓	✓	✓	SMP-3/4 (no-PCB) (✓	✓	B

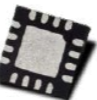
- (1) Stray field robust mode utilizes a gradient field (mT/mm) while the traditional mode uses a homogenous field (mT).
- (2) TSSOP-16 packages include two dies with individual electrical connections where full redundancy is needed.
- (3) Dual Mold Package. Package is intended to be used without a PCB with electrical connections made directly to a leadframe.
- (4) Standard supply range 4.5-5.5V. Extended mode (6-18V) selectable via EEPROM programming.
- (5) Average current draw will depend on the programmable conversion duty cycle and filtering.



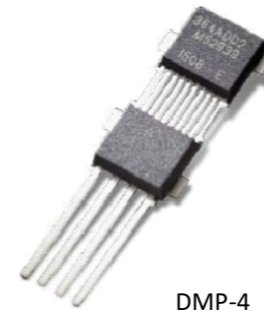
SOIC8



TSSOP-16



QFN-16



DMP-4



3-SIP-UA



4-SIP-VA

Linear Hall																							
Product	Package						Output Format				Programmable		Position Calibration		Temperature Calibration		Safety	Magnetic Field Strength	Temperature Option			Supply Voltage	Current Consumption
	3-SIP-UA (1.5mm thick)	4-SIP-VA (1.15mm thick)	TSOT-23	SOIC-8	TSSOP-16 ⁽¹⁾	DMP-4 (no-PCB) ⁽²⁾	Analog Voltage	PWM	SENT	PSI-5	By Customer (End of Line)	Preprogrammed by Melexis	Gain & Offset (2 Point)	Multipoint (17 points)	Linear	Multipoint	ASIL (ISO26262)	mT (G)	E: -40-85 °C	K: -40-125 °C	L: -40-150 °C	(V)	mA (Typical)
MLX90251		✓					✓			✓		✓		✓		A	±6 to ±800 (±60 to ±8000)	✓		✓	4.5-5.5	7	
MLX90288				✓			✓			✓		✓		✓	2nd Order	A	±6 to ±650 (±60 to ±6500)		✓	✓	4.5-5.5	8.8	
MLX90290	✓		✓				✓				✓			✓			±20 to ±100 (±200 to ±1000)			✓	3.15-5.5	5	
MLX90291				✓				✓		✓		✓		✓			±15 to ±400 (±150 to ±4000)		✓		4.5-5.5	8	
MLX90292					✓			✓	✓	✓		✓		✓	2nd Order		±30 to ±170 (±300 to ±1700)			✓	4.6-8.7	16	
MLX90293				✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	7 Points	B	±7 to ±400 (±70 to ±4000)			✓	4.5-5.5	8	

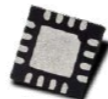
- (1) TSSOP-16 packages include two dies with individual electrical connections where full redundancy is needed.
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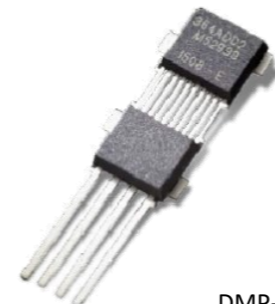
SOIC8



TSSOP-16



QFN-16



DMP-4



3-SIP-UA



4-SIP-VA