SCH16T Series Product Versions

		SCH16T-K01	SCH16T-K10	SCH16T-K20
Highlights	Focus	High performance & robustness	High measurement range & robustness	Zero drift, lowest noise
	Applications	Industrial applications (e.g., heavy machine control, robotics)	Highly dynamic navigation IMU (e.g., drones)	High performance leveling IMU (e.g., camera stabilization)
	Factory calibration (Optimized temperature range)	Standard	Highly extended range	Fine-tuned for -40 °C ... +85 °C
Gyroscope	Key specifications	Low noise, ARW and lifetime stability	High measurement range, linearity and lifetime stability	Low noise, ARW, temperature and lifetime stability
	Range °/s	±300	±2000	±300
	Noise density (°/s)√Hz	0.0004 (XY) 0.0006 (Z)	0.006	0.0004 (XY) 0.0006 (Z)
Accelerometer	Key specifications	High measurement range and lifetime stability	High measurement range and lifetime stability	Low noise, VRW temperature and lifetime stability and linearity
	Range g (spec / dynamic range)	±8/26	±16/26	±8/11
	Noise density µg/√Hz	80	80	37 (XY) 33 (Z)

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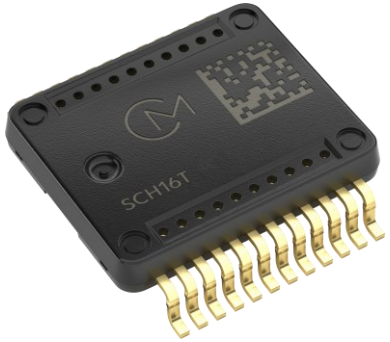
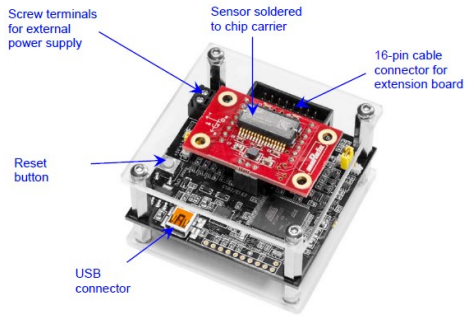
Sample Types

	Components	PCB	Evaluation kit (EVK)
			
Interface	SPI through component pins	SPI through PCB pins	USB GUI provided by Murata
BOM	4 pieces SCH16T component bag	SCH16T on PCB with passive components	PCB MEMS-EVAL-BOARD
Part numbers	SCH16T-KXY-004	SCH16T-KXY-PCB	SCH16T-KXY-PCB + MEMS-EVAL-BOARD
Footprint	14x12 mm	28x42 mm	PCB 28x42 mm MEMS-EVAL-BOARD 60x60 mm
Website	https://www.murata.com/en-eu/products/sensor/gyro/overview/lineup/sch16t	https://www.murata.com/en-eu/products/sensor/design-development/sch16t-pcb	https://www.murata.com/en-eu/products/sensor/design-development/mems-eval-board

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